CHIQUITA CANYON
a Waste Connections company

July 31, 2025

California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013
ATTN: Information Technology Unit

CHIQUITA CANYON LANDFILL, COMPLIANCE FILE NO. CI-6231
SEMIANNUAL MONITORING REPORT, FIRST AND SECOND QUARTER 2025

Per the Waste Discharge Requirements No. R4-2018-0172 (WDR) and Monitoring and Reporting Program No. CI-6231 (MRP), attached is the Chiquita Canyon Landfill Semiannual Monitoring Report for the First and Second Quarters of 2025 for your review. The results of the groundwater monitoring and sampling event conducted in January and April 2025 and other site monitoring activities conducted at the Chiquita Canyon Landfill are included in this report.

Per MRP Condition B.I.a, the Summary of Non-Compliance in Section 1.1 of this report summarizes the regulatory compliance record for the current reporting period.

> I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

Please contact me at (661) 257-3655 if you have any questions or need further information.

STEVE CASSULO – DISTRICT MANAGER
CHIQUITA CANYON LANDFILL

Enclosures

SEMIANNUAL GROUNDWATER MONITORING REPORT

FIRST AND SECOND QUARTER 2025
(January 1 through June 30, 2025)

CHIQUITA CANYON LANDFILL

COMPLIANCE FILE NO. CI-6231

CASTAIC, CALIFORNIA

FOR

CHIQUITA CANYON LANDFILL

PREPARED BY

•CHANG ENVIRONMENTAL•

JULY 31, 2025

SEMIANNUAL GROUNDWATER MONITORING REPORT
FIRST AND SECOND QUARTERS 2025

CHIQUITA CANYON LANDFILL

This report was prepared consistent with current and generally accepted environmental consulting principles and practices that are within the limits described herein.

Chang Environmental

Paul D. Chang, C. Hg.
Environmental Geologist

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1.0 INTRODUCTION

On behalf of Chiquita Canyon, LLC (CCL), Chang Environmental has prepared this Semiannual Groundwater Monitoring Report for the Chiquita Canyon Landfill. This report includes the First and Second Quarters 2025 Detection Monitoring Program (DMP), Evaluation Monitoring Program (EMP), and Corrective Action Program (CAP) Groundwater Monitoring Report for the reporting period of January through June 2025. The primary purpose of this report is to provide groundwater quality data collected pursuant to Waste Discharge Requirements (WDRs) Order No. R4-2018-0172, issued by the California Regional Water Quality Control Board – Los Angeles Region (RWQCB). This report also includes the Waste Acceptance Report for the Fourth Quarter of 2024 and First Quarter of 2025, as described in CCL's Waste Acceptance Plan (EnviroSolve Corporation, 2011), which was submitted to meet the requirements of RWQCB Order No. R4-2011-0052.

1.1 Summary of Non-Compliance and Corrective Actions

Pursuant to Section B.1.b of the Monitoring and Reporting Program (No, CI-6231), CCL is required to provide details of the compliance record and corrective actions taken or planned during the reporting period. CCL did not receive any orders or notices of violation from the RWQCB during the January 1 through June 30, 2025 reporting period. However, the following corrective actions were taken during the current reporting period in response to prior orders or notices of violation:

- Pursuant to the June 27, 2024 Notice of Violation issued by the RWQCB, CCL finalized an access agreement with adjacent property owner, Five Points, and installed the offsite groundwater well FP-01 in April 2025. Since the issuance of the NOV, CCL submitted a well installation report for the offsite well in May 2025 and has included the new well in the quarterly monitoring of groundwater wells.

- Pursuant to the June 27, 2024 Notice of Violation, CCL was required to provide (1) a quarterly report on the integrity of the bottom liner and leachate collection and removal system (LCRS) within the reaction area; (2) specific requirements relating to temperature data and leachate generation/removal rates as part of the LCRS integrity assessment; and (3) monitoring data for all discharges into and out of the south detention basin for dates on which there were alleged storm events. Since the issuance of this NOV, CCL has submitted Quarterly Groundwater and Quarterly Liner and LCRS Integrity Reports, beginning with the July 15, 2024 report through the most recent submission on July 15, 2025. In addition, CCL has been submitting 30-day reports to the RWQCB following storm events that have resulted in a discharge into or out of the south detention basin.

- Pursuant to the April 9, 2024 Notice of Violation issued by the RWQCB, CCL was required to discontinue the practice of using flocculants, a floating inlet/skimmer, and pump to manage stormwater within the south detention basin. Since the issuance of this NOV, the RWQCB has approved CCL's request to resume pumping stormwater from the south sedimentation based during the rainy season as a best management practice to manage stormwater within the basin. RWQCB has also approved CCL's use of anionic

polyacrylamide flocculant at the facility in strategic locations to enhance the settling of solids that are suspended in site stormwater runoff. The flocculant is applied in accordance with the Passive Treatment Plan (PTP) that was submitted to the RWQCB along with the updated Stormwater Pollution Prevention Plan (SWPPP) in February 2025.

1.2 Site Conditions

The Chiquita Canyon Landfill is a Class III solid waste disposal facility owned and operated by CCL. The landfill is in the Santa Clara River basin, approximately three miles west of Castaic Junction in Los Angeles County, California. The landfill includes three disposal areas designated as Primary Canyon, Canyon B, and Main Canyon. Effective January 1, 2025, the landfill closed active waste disposal operations and is no longer accepting waste.

The site is located at the eastern end of the Ventura Basin within the Transverse Ranges geomorphic province. Sedimentary rock units at and near the site are the Pliocene age Pico Formation and the Plio-Pleistocene age Saugus Formation. The marine sediments of the Pico Formation outcrop in the northwest portion of the site. The Saugus Formation overlies the Pico Formation at the site, and Saugus Formation units extend south and east to the Castaic-Newhall area. The Saugus Formation is composed of interbedded shallow-water marine, brackish water, and nonmarine units. Other geologic materials exposed nearby include terrace deposits of Pleistocene age and Holocene alluvium mantling the valley floor. Groundwater beneath the landfill occurs in the sedimentary bedrock (Pico and Saugus formations) and generally flows southward into the Santa Clara River Valley.

Climate at the site is that of semiarid climate typical of the Transverse Ranges. The entire site is well above the 100-year floodplain based on the Federal Emergency Management Agency Flood Insurance Rate Map (FEMA) for Los Angeles County, California. The 100-year, 24-hour rainfall amount was calculated to be 6.51 inches (Golder, 2017). The site lies in a canyon east of San Martinez Chiquito Canyon and south of Hasley Canyon, and is separated from both by relatively steep ridgelines. The ridgelines define the northern and western boundaries of the site, resulting in minimal contributory drainage areas to the landfill. Surface water runoff within the site's drainage basin is directed to the south and east. Most of the site drains south toward the Santa Clara River, which runs along the southern border of the site. The northeast portion of the site drains eastward into a large unnamed canyon, then southeast into Castaic Creek, approximately 3,000 feet from the site boundary.

1.3 Groundwater Flow Direction and Velocity

Determinations of groundwater flow direction and velocity are based on groundwater elevations measured each quarter. The groundwater elevations, interpreted groundwater elevation contours, and the groundwater flow directions are shown for each quarter in Figures 1 (First Quarter) and 2 (Second Quarter). At each well monitored, groundwater elevations were similar in both quarters, so the groundwater elevation contour maps show similar gradients and flow directions for the periods monitored.

Within the Main Canyon area, groundwater flow in the Pico Formation is south, away from the steep topographic ridge to the north. Based on water elevation contours in Figures 1 and 2, a hydraulic gradient of 0.05 feet per feet (ft/ft) was estimated for groundwater in Pico Formation bedrock along the upgradient (north) perimeter of the Main Canyon.

Across the central and southern portion of the site, including all downgradient portions of the waste management units, the uppermost groundwater occurs in the Saugus Formation. Groundwater flow is generally south beneath the Primary Canyon and the Main Canyon, with the exception of flow variations in the vicinity of well DW-17, where higher groundwater elevations indicate a radial flow pattern away from this area. Groundwater beneath Canyon B appears to flow eastward down the canyon. Water level in well PZ-4 is higher than prior to 2019, likely due to the groundwater recharge from the stormwater basin in the area.

Based on water elevations measured both quarters, a range of hydraulic gradients was calculated for the uppermost water-bearing zone in the Saugus Formation. Groundwater gradients are variable, with the steepest gradients in the vicinity of well DW-17, where the local hydraulic gradient is 0.08 ft/ft southwest towards well DW-16. Across the Primary Canyon and downgradient from the Main Canyon, the estimated hydraulic gradient is 0.04 to 0.07 ft/ft.

A range of hydraulic conductivity values has been measured in the Saugus Formation at the site (EMCON, 1990; RTF&A, 2005c). The best estimate of in-situ hydraulic conductivity is based on slug test results, and ranges from 1.1×10^{-3} centimeters per second (cm/sec) to 1.1×10^{-5} cm/sec. Laboratory results of Saugus Formation samples from the site showed porosity values range from 0.25 to 0.38 (EMCON, 1990). Assuming 75 percent of the pore spaces are interconnected and contributing to effective porosity, the estimated effective porosity is 0.19 to 0.28. Using the range of aquifer properties described above and a hydraulic gradient of approximately 0.05 ft/ft for the POC at the Primary Canyon and the Main Canyon, the calculated linear flow velocity for the Saugus Formation varies from approximately 2.0 to 300 feet per year.

2.1 Groundwater Monitoring Well Network

The groundwater monitoring network consists of 17 monitoring wells (DW-1, DW-3, DW 7, DW-8, DW-9, DW-12, DW-14, DW-15, DW-16, DW-17, DW-18, DW-21, DW-28, DW-29, DW-30, DW-31 and PZ-4). Additional points DW 23, DW-24, DW-26, PZ 3, PZ-5, PZ-6, PZ-7, GP-15, GP-16, GP-17, GP 21, GP-22, GP-24, GP-25, and GP-26 are sounded for water levels only. Monitoring points DW-8, DW-25, DW-27, DW-28, PZ-5, PZ-6, GP-25, and GP-26 are completed within the Pico Formation, and the remaining wells and piezometers are monitoring the Saugus Formation.

In accordance with the Investigative Order R4-2024-0010, Chiquita placed five existing groundwater monitoring wells (DW-9, 15, 16, 17, and 29) and any new monitoring wells installed downgradient of the reaction area into an evaluation monitoring program (EMP). Sampling and reporting program for this EMP began in April 2024. Two new onsite monitoring wells (DW-30 and DW-31) were installed in September 2024 by Geo-Logic Associates (GLA) pursuant to Investigative Order Item 1(b). One offsite monitoring well (FP-01) was installed in April 2025 by GLA. A well installation report for DW-30, DW- 31, and FP-01 was prepared by GLA and submitted in May 2025. No surface monitoring network is present at the site.

2.2 Description of Monitoring Activities

Sampling and analytical requirements include quarterly and semiannual groundwater monitoring for monitoring parameters specified in the MRP. Additional monitoring for COCs is annually, at five-year intervals, for background sampling for new constituents when new wells are installed, or when "triggered" by the release discovery response process. The latest five-year COC scan was conducted in April 2016 (R. T. Frankian & Associates (RTF&A), 2016b). The COC sampling is currently conducted annually in accordance with the MRP. CCL has complied with Section C (Required Water Quality Monitoring and Inspection Program) of this MRP.

A CAP is in progress at wells DW-1 near Primary Canyon, and DW-3 at Canyon B. Previous CAP well DW-20 was destroyed and replaced with detection well DW-29. Volatile organic compounds (VOCs) have been historically reported in groundwater samples from these wells. Implemented corrective action measures at these disposal areas include landfill gas (LFG) collection and control system improvements aimed at reducing subsurface gas migration to groundwater.

Quarterly monitoring and semiannual reporting are required by the MRP, which contains the requirements for groundwater sampling and analysis, and evaluation of analytical results. The WDR Order No. R4-2018-0173 adopted on December 13, 2018 included the revised MRP No. CI-6231 which changed the reporting periods as follows:

Period	Sampling Month	Reporting
Semiannual		
First	January & April	July 31
Second	July & October	January 31
Annual Summary		
January 1 – December 31		January 31

The Investigative Order R4-2024-0010 placed five existing groundwater monitoring wells (DW-9, 15, 16, 17, and 29) and new monitoring wells (DW-30, 31, and FP-01) installed downgradient of the reaction area into the EMP. Quarterly monitoring began in April 2024, and the most recent quarterly report was submitted on July 15, 2025.

2.3 Field Procedures for Monitoring Activities

The quarterly groundwater monitoring consisted of the following:

- measuring groundwater levels in all wells;
- collecting quarterly groundwater samples from the EMP/CAP wells DW-1, DW-3, and DW-16
- collecting quarterly groundwater samples from the EMP wells DW-9, DW-15, DW-16, DW-17, DW-29, and new wells DW-30, DW-31, and FP-01 in response to the reaction area monitoring
- collecting semiannual groundwater samples from the background monitoring wells DW-8, DW-14, DW-17, and DW-28
- collecting semiannual groundwater samples from the DMP wells DW-7, DW-12, DW-15, DW-18, DW-21, DW-29, and PZ-4; and,
- analyzing these groundwater samples for the site monitoring parameters.

Static water levels in all monitoring network wells were measured using an electric water level sounder prior to purging and sampling. Quarterly water level measurements were collected in January and April. The measurements were recorded on well gauging forms (Appendix A), and the historical calculated elevations are tabulated in Appendix B.

The first quarter groundwater samples for this reporting period were collected in January 2025, and the second quarter samples were collected in April 2025. In addition, at CCL's discretion, samples were collected from all existing wells in the groundwater monitoring program monthly from January through June 2025. . Because of a pump malfunction, a February 2025 sample could not be collected from well DW-9. The pump was repaired and sample was collected in March 2025. Groundwater sample was collected from well FP-01 in June 2025 by GLA as described in

the Quarterly EMP Sampling and Evaluation report dated July 15, 2025. The low-flow groundwater sampling field data sheets are provided in Appendix A. Field parameters that were monitored and recorded during low-flow purging consist of specific conductance, pH, temperature, dissolved oxygen (DO), and oxygen reduction potential (ORP).

Water samples were kept on ice in coolers and transported to Enthalpy Analytics, a State-certified laboratory, for analysis. The groundwater samples were analyzed for the selected parameters specified in the MRP. As required by MRP No. 6231, analytical results reported as "less than…" (or "nondetect") are reported as less than a numeric value. Both PQLs and MDLs are reported for each analyte tested.

Annual leachate sample was collected in September 2024, results of which were reported in the 2024 Annual Summary Report. The next annual leachate sampling is scheduled for September 2025.

3.1 Summary of Results.

The intent of the groundwater monitoring program is to assess groundwater quality and determine whether it is being affected by the landfill. This quarterly assessment of monitoring parameters is made through both nonstatistical and statistical analyses, as described in the WDRs.

The concentration limit analysis for the nonstatistical organic (VOC/SVOC) is a comparison of each detected organic compound with its respective MDL and PQL. Detected organic compounds in samples for this monitoring period from January through June are tabulated in Table 1.

The concentration limit analysis of the indicator monitoring parameters for the DMP is the statistical intrawell prediction limit method. This intrawell approach involves using the historical water chemistry for each well as the background data for that well, rather than comparing current water chemistry to data from a different, hydraulically upgradient well. The intrawell background data pool for each well/monitoring parameter was updated prior to the April 2025 monitoring period. The next intrawell background update will be prior to April 2027 monitoring period. The statistical results are summarized in Table 2 and prediction limit plots for each well/indicator monitoring parameter pair are included in Appendix C. The laboratory analytical reports for this reporting period are included in Appendix D. The electronic laboratory analytical results were uploaded to the State GeoTracker website in the required electronic deliverable format (EDF).

3.2 DMP/EMP Groundwater Quality Analysis

The detected organic compound results are summarized in Table 1. Most organic compounds were not detected from the DMP monitoring wells during the current reporting period. VOCs detected includes:

- a trace concentration detection of Freon 12 in the monthly samples from well PZ-4, except for March, which was not detected.
- a trace concentration detection of 1,4-dichlorobenzene in the monthly sample from well DW-15
- a trace concentration detection of tetrachloroethene in the monthly sample from well DW-30
- a trace concentration detection of 1,2-dichloroethane in the January and February samples from well DW-31. Subsequent monthly samples from March through June were non-detects.

Because only trace concentrations of a single VOC – below the PQL – were detected in these wells, CCL concluded that these results does not indicate a measurably significant change in the nature or extent of the release (Monitoring and Reporting Program Section (C)(2)(i)(i)(B)).

During the May 2025 sampling event, well DW-14 detected two VOCs in trace values, both of which are not required to be monitored according to the MRP, but are included in the testing and reporting as part of the lab's standard VOC test list. These trace detections may have been a result of sample contamination during the sampling or analysis process. No VOCs were detected in the groundwater sample collected from this well during the subsequent June sampling. Therefore, no further action is required. Relatively low concentrations of semi-volatile organic compound

(SVOC) 1,4-dioxane were detected in the monthly samples from wells DW-31 and in the June sample from well FP-01.

In general, the analytical results for indicator monitoring parameters and supplemental monitoring parameters are within historical ranges at the site. The statistical analytical results for each monitoring parameter/well pair are presented in Appendix C, and the statistical summary is provided on Table 2. For the monitoring parameters evaluated statistically, total alkalinity in well DW-3, chemical oxygen demand (COD) in well DW-16, and total dissolved solids (TDS) in well DW-17 exceeded their respective statistical prediction limit. These well/monitoring parameter pairs are being monitored in Tracking Mode, and therefore, no further action is required.

The landfill release identified at well DW-16 was initially indicated by the presence of trace concentrations of VOCs (TCE and PCE). Trace to low concentrations of various VOCs were present in the January to June 2025 DW-16 samples (Table 1). The proposed EMP evaluation method is to plot VOC concentrations versus time (time-series plots) and evaluate trends (Appendix E). The recent VOC concentrations in samples from DW-16 have remained relatively consistent at low levels of 1.5 µg/L or less. For the monitoring parameters evaluated statistically, only COD exceeded the prediction limits, which is already being monitored in tracking mode.

3.3 CAP Groundwater Quality Analysis

As specified in the CAP, the COCs at wells DW-1 and DW-3 are those VOCs identified using USEPA Method 8260, and their concentration limits are the respective MDLs. At well DW-1, the lab reported a trace detection of 1,1-Dichloroethane and PCE in the January to June 2025 samples. A trace concentration of Freon 12 was also detected in the June 2025 sample. At well DW-3, trace to low detections of 1,1-Dichloroethane, Freon 12, PCE, and Trichlorofluoromethane were reported. These results are similar to previous sampling results from these CAP wells.

3.4 Demonstration of CAP Effectiveness

Time-series plots of VOCs detected this reporting period illustrate trends in VOC concentrations through time at well DW-1 and DW-3 (Appendix E). Samples with analyte concentrations less than the MDL (“nondetected”) were plotted at one-half the MDL. The VOC concentrations in the DW-1 and DW-3 samples are within historical ranges.

Corrective action measures are continuing to be implemented at the landfill. Corrective action measures at both the Primary Canyon and Canyon B disposal areas include LFG collection and control system improvements aimed at reducing gas migration to groundwater. The LFG collection system appears to be effective at reducing VOC concentrations in groundwater at wells DW-1 and DW-3, so no further changes to the CAP are recommended at this time.

4.0 OTHER SITE MONITORING PROGRAMS

During the reporting period, approximately 5,067,174 gallons of water were used for irrigation, site operation construction, and dust control on the roadways as well as other areas of the Landfill with a high potential for fugitive dust. Sampling and analysis of the water used on site for dust control and other purposes is required by the MRP if the water is not considered potable. Quarterly site water samples (JS-1) were collected in January and April 2025, results of which are included in Appendix D.

Quarterly landfill gas monitoring reports are required by the WDRs in order to comply with the vadose-zone monitoring requirements. Landfill gas monitoring reports for the current reporting period are included as Appendix F.

During the current reporting period, qualifying storm event (QSE) discharge samples were collected from the "South" sampling point on March 14, 2025 (Appendix G). In response to the stormwater sampling requirements contained in the Investigative Order R4-2024-0010, additional samples were collected from the two basin inlets (East Inlet and West Inlet) and the "South" basin on January 26, February 5, February 12, February 28, March 5, March 7, March 11, and April 26, 2025. Laboratory reports for these sampling events are included in Appendix G.

The WDR Order No. R4-2011-0052 specified benchmark values were exceeded by the QSE discharge samples for chemical oxygen demand and total iron (Table G-1). These results were previously determined to be not related to stormwater coming in contact with contaminated soil or related waste (RTF&A, 2017). Based on these results, there was no requirement for corrective measures. Stormwater monitoring reports consistent with the site's Industrial General Permit requirements are reported electronically in SMARTS.

5.0 STANDARD OBSERVATIONS

The WDR Order No. R4-2018-0173 requires semiannual reporting of standard observations in accordance with the NPDES Stormwater Permit requirements. The standard observation forms for the current reporting period is included as Appendix H.

6.0 WASTE DISPOSAL REPORTING

The site Waste Disposal Report including monthly waste disposal quantities, remaining capacity estimate, and report of all unacceptable wastes are included as Appendix I. All accepted wastes were deposited in compliance with the RWQCB requirements and no wastes were deposited outside of the boundaries of the waste management area. The landfill is closed effective January 1, 2025, and is no longer accepting waste.

7.0 MANAGEMENT OF LIQUIDS AND SPECIAL WASTE

Semiannual reporting of the managements of leachate and condensate are required and is included as part of the Waste Disposal Report (Appendix I).

As required by RWQCB Order No. R4-2011-0052, CCL submitted a Waste Acceptance Plan (Plan) to the RWQCB for review (EnviroSolve Corporation, 2011). The Waste Acceptance Report under the Plan is attached in Appendix J.

8.0 LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

9.0 REFERENCES

EMCON, 1990, "Geologic/Hydrogeologic Report, Chiquita Canyon Landfill Expansion, Los Angeles County, California," for Laidlaw Waste Systems, dated May 1990.

EMCON, 1997, "Joint Technical Document, Chiquita Canyon Landfill, Los Angeles County, California," for Laidlaw Waste Systems, dated September 1997.

EnviroSolve Corporation, 2011, "Waste Acceptance Plan, Chiquita Canyon Landfill, Los Angeles County, California," for Chiquita Canyon Landfill, dated April 29, 2011.

Frankian, R. T., & Associates, 2004, "Well DW-16 Retest Results," for Chiquita Canyon Landfill, dated December 14, 2004, Job No. 2004-001-90.

Frankian, R. T., & Associates, 2005a, "Amended Joint Technical Document (Appendix E-6) Proposed Evaluation Monitoring Program for Primary Canyon, Chiquita Canyon Landfill, File No. CI-6231, Valencia California," for California Regional Water Quality Control Board, Los Angeles Region, dated March 9, 2005, Job No. 2004-001-90.

Frankian, R. T., & Associates, 2005b, "Engineering Feasibility Study for Primary Canyon, Chiquita Canyon Landfill, Compliance File No. CI-6231, Los Angeles County California," for Chiquita Canyon Landfill, dated June 7, 2005, Job No. 2004-001-91.

Frankian, R. T., & Associates, 2005c, "Well Installation and Aquifer Testing Report," for Chiquita Canyon Landfill, dated August 26, 2005, Job No. 2002-036-91.

Frankian, R., T., & Associates, 2016a, "Evaluation Monitoring Program Assessment Report for Canyon D Landfill, Compliance File No. CI-6231," for Chiquita Canyon Landfill, dated October 14, 2016, Job No. 2002-036-005.

Frankian, R. T., & Associates, 2016b, "Annual Groundwater Monitoring Report, Chiquita Canyon Landfill, Compliance File No. CI-6231, Castaic, California" for Chiquita Canyon Landfill, dated February 28, 2017, Job No. 2004-001-090.

Frankian, R. T., & Associates, 2017, "Semi-annual Groundwater Monitoring Report, First and Second Quarters 2017, Chiquita Canyon Landfill, Compliance File No. CI-6231, Castaic, California" for Chiquita Canyon Landfill, dated June 28, 2017, Job No. 2004-001-090.

Geo_Logic Associates, 2025, "Groundwater Monitoring Well Installation Report, Chiquita Canyon Landfill, Castaic, California," for Chiquita Canyon Landfill, dated May 2025, Project No. RM22.1077.00.

Golder Associates, Inc., 2017, "Joint Technical Document, Chiquita Canyon Landfill, 29201 Henry Mayo Drive, Castaic, CA, 91384," for Chiquita Canyon Landfill, dated December, 2017, Project No. 093-97453.

SWT Engineering, Inc., 2024, "Stormwater Pollution Prevention Plan for the Chiquita Canyon Landfill" for Chiquita Canyon Landfill, dated July 2024.

TABLE 1 DETECTED VOCS

TABLE 2 SUMMARY OF STATISTICAL ANALYSIS

TABLE 1

DETECTED ORGANIC COMPOUNDS
CHIQUITA CANYON LANDFILL
JANUARY 2025

Well ID	Sample Date	Compound	Concentration (ug/L)
DMP			
PZ-4	1/14/25	Freon 12	0.3 J
EMP			
DW-15	1/15/25	1,4-Dichlorobenzene	0.2 J
DW-16	1/16/25	1,1-Dichloroethane	1.2 J
DW-16	1/16/25	1,4-Dichlorobenzene	0.3 J
DW-16	1/16/25	Benzene	0.2 J
DW-16	1/16/25	Chloroform	0.2 J
DW-16	1/16/25	cis-1,2-Dichloroethene	0.7 J
DW-16	1/16/25	Tetrachloroethene	0.8 J
DW-16	1/16/25	Trichloroethene	0.7 J
DW-30	1/15/25	Tetrachloroethene	0.3 J
DW-31	1/16/25	1,2-Dichloroethane	0.2 J
DW-31	1/16/25	1,4-Dioxane	4.2
CAP			
DW-1	1/16/25	1,1-Dichloroethane	0.2 J
DW-1	1/16/25	Tetrachloroethene	0.3 J
DW-3	1/16/25	1,1-Dichloroethane	0.3 J
DW-3	1/16/25	Freon 12	5.2
DW-3	1/16/25	Tetrachloroethene	1.1 J
BLANKS			
Field Blank	1/13/25	Chloroform	0.5 J
Field Blank	1/14/25	Chloroform	0.2 J
Field Blank	1/15/25	Chloroform	0.5 J
Field Blank	1/16/25	Chloroform	0.5 J
Trip Blank	1/13/25	Chloroform	0.5 J
Trip Blank	1/14/25	Chloroform	0.2 J
Trip Blank	1/15/25	Chloroform	0.5 J
Trip Blank	1/16/25	Chloroform	0.5 J

Notes: VOC/SVOC concentrations in micrograms per liter (ug/L): J = trace concentration

* = also detected in trip blank

TABLE 1

DETECTED ORGANIC COMPOUNDS
CHIQUITA CANYON LANDFILL
FEBRUARY 2025

Well ID	Sample Date	Compound	Concentration (ug/L)
DMP			
PZ-4	2/11/25	Freon 12	0.4 J
EMP			
DW-15	2/10/25	1,4-Dichlorobenzene	0.2 J
DW-16	2/19/25	1,1-Dichloroethane	1.5 J
DW-16	2/19/25	1,4-Dichlorobenzene	0.2 J
DW-16	2/19/25	Benzene	0.2 J
DW-16	2/19/25	Chloroform	0.7 J
DW-16	2/19/25	cis-1,2-Dichloroethene	0.9 J
DW-16	2/19/25	Tetrachloroethene	0.6 J
DW-16	2/19/25	Trichloroethene	0.7 J
DW-30	2/10/25	Tetrachloroethene	0.5 J
DW-31	2/18/25	1,2-Dichloroethane	0.3 J
DW-31	2/18/25	1,4-Dioxane	3.9
CAP			
DW-1	2/19/25	Tetrachloroethene	0.2 J
DW-3	2/19/25	1,1-Dichloroethane	0.3 J
DW-3	2/19/25	Freon 12	6.0
DW-3	2/19/25	Tetrachloroethene	0.8 J
BLANKS			
Field Blank	2/10/25	Chloroform	0.6 J
Field Blank	2/11/25	Chloroform	0.5 J
Field Blank	2/18/25	Chloroform	0.5 J
Field Blank	2/19/25	Chloroform	0.6 J
Trip Blank	2/10/25	Chloroform	0.6 J
Trip Blank	2/11/25	Chloroform	0.5 J
Trip Blank	2/18/25	Chloroform	0.6 J
Trip Blank	2/19/25	Chloroform	0.7 J

Notes: VOC/SVOC concentrations in micrograms per liter (ug/L): J = trace concentration

* = also detected in trip blank

TABLE 1

DETECTED ORGANIC COMPOUNDS
CHIQUITA CANYON LANDFILL
MARCH 2025

Well ID	Sample Date	Compound	Concentration (ug/L)
DMP			
		None	
EMP			
DW-15	3/12/25	1,4-Dichlorobenzene	0.3 J
DW-16	3/20/25	1,1-Dichloroethane	1.1 J
DW-16	3/20/25	1,4-Dichlorobenzene	0.3 J
DW-16	3/20/25	Benzene	0.2 J
DW-16	3/20/25	Chloroform	0.3 J
DW-16	3/20/25	cis-1,2-Dichloroethene	0.7 J
DW-16	3/20/25	Freon 12	0.3 J
DW-16	3/20/25	Tetrachloroethene	0.6 J
DW-16	3/20/25	Trichloroethene	0.7 J
DW-16	3/20/25	Trichlorofluoromethane	0.09 J
DW-30	3/12/25	Tetrachloroethene	0.5 J
DW-31	3/12/25	1,4-Dioxane	3.3
CAP			
DW-1	3/12/25	1,1-Dichloroethane	0.2 J
DW-1	3/12/25	Tetrachloroethene	0.3 J
DW-3	3/20/25	1,1-Dichloroethane	0.3 J
DW-3	3/20/25	Freon 12	4.4 J
DW-3	3/20/25	Tetrachloroethene	0.8 J
DW-3	3/20/25	Trichlorofluoromethane	0.1 J
BLANKS			
Field Blank	3/10/25	Chloroform	0.6 J
Field Blank	3/11/25	Chloroform	0.6 J
Field Blank	3/12/25	Chloroform	0.6 J
Field Blank	3/20/25	Chloroform	0.5 J
Trip Blank	3/10/25	Chloroform	0.6 J
Trip Blank	3/11/25	Chloroform	0.6 J
Trip Blank	3/12/25	Chloroform	0.5 J
Trip Blank	3/20/25	Chloroform	0.5 J

Notes: VOC/SVOC concentrations in micrograms per liter (ug/L): J = trace concentration

* = also detected in trip blank

B = contamination found in associated method blank

TABLE 1

DETECTED ORGANIC COMPOUNDS
CHIQUITA CANYON LANDFILL
APRIL 2025

Well ID	Sample Date	Compound	Concentration (ug/L)
DMP			
PZ-4	4/23/25	Freon 12	0.4 J
EMP			
DW-15	4/24/25	1,4-Dichlorobenzene	0.2 J
DW-16	4/28/25	1,1-Dichloroethane	0.9 J
DW-16	4/28/25	1,4-Dichlorobenzene	0.3 J
DW-16	4/28/25	Benzene	0.2 J
DW-16	4/28/25	Chloroform	0.3 J
DW-16	4/28/25	cis-1,2-Dichloroethene	0.6 J
DW-16	4/28/25	Tetrachloroethene	0.6 J
DW-16	4/28/25	Trichloroethene	0.7 J
DW-16	4/28/25	Trichlorofluoromethane	0.09 J
DW-30	4/24/25	Tetrachloroethene	0.4 J
DW-31	4/28/25	1,4-Dioxane	6.0
CAP			
DW-1	4/28/25	Tetrachloroethene	0.2 J
DW-3	4/28/25	1,1-Dichloroethane	0.2 J
DW-3	4/28/25	Freon 12	3.5 J
DW-3	4/28/25	Tetrachloroethene	0.9 J
DW-3	4/28/25	Trichlorofluoromethane	0.1 J
BLANKS			
Field Blank	4/22/25	Chloroform	0.8 J
Field Blank	4/22/25	Methylene Chloride	6.5
Field Blank	4/23/25	Chloroform	0.8 J
Field Blank	4/23/25	Methylene Chloride	7.1
Field Blank	4/24/25	Chloroform	0.7 J
Field Blank	4/24/25	Methylene Chloride	5.9
Field Blank	4/28/25	Chloroform	0.7 J
Field Blank	4/28/25	Methylene Chloride	6.4
Trip Blank	4/22/25	Chloroform	0.5 J
Trip Blank	4/23/25	Chloroform	0.5 J
Trip Blank	4/24/25	Chloroform	0.5 J
Trip Blank	4/28/25	Chloroform	0.5 J

Notes: VOC/SVOC concentrations in micrograms per liter (ug/L): J = trace concentration

TABLE 1

DETECTED ORGANIC COMPOUNDS
CHIQUITA CANYON LANDFILL
MAY 2025

Well ID	Sample Date	Compound	Concentration (ug/L)
DMP			
PZ-4	5/14/25	Freon 12	0.7 J
DW-14	5/14/25	Naphthalene	0.9 J
DW-14	5/14/25	Propylbenzene	0.1 J
EMP			
DW-15	5/14/25	1,4-Dichlorobenzene	0.2 J
DW-16	5/15/25	1,1-Dichloroethane	1.2 J
DW-16	5/15/25	1,4-Dichlorobenzene	0.3 J
DW-16	5/15/25	Benzene	0.2 J
DW-16	5/15/25	Chloroform	0.2 J
DW-16	5/15/25	cis-1,2-Dichloroethene	0.9 J
DW-16	5/15/25	Tetrachloroethene	0.7 J
DW-16	5/15/25	Trichloroethene	0.7 J
DW-16	5/15/25	Trichlorofluoromethane	0.1 J
DW-16	5/15/25	Vinyl Chloride	0.2 J
DW-30	5/15/25	Tetrachloroethene	0.5 J
DW-31	5/12/25	1,4-Dioxane	6.5
CAP			
DW-1	5/15/25	1,1-Dichloroethane	0.1 J
DW-1	5/15/25	Tetrachloroethene	0.2 J
DW-3	5/15/25	1,1-Dichloroethane	0.3 J
DW-3	5/15/25	Freon 12	4.1 J
DW-3	5/15/25	Tetrachloroethene	0.8 J
DW-3	5/15/25	Trichlorofluoromethane	0.1 J
BLANKS			
Field Blank	5/12/25	Chloroform	0.7 J
Field Blank	5/12/25	Methylene Chloride	2.5 J
Field Blank	5/13/25	Chloroform	0.7 J
Field Blank	5/13/25	Methylene Chloride	2.9 J
Field Blank	5/14/25	Chloroform	0.6 J
Field Blank	5/15/25	Chloroform	0.9 J
Field Blank	5/15/25	Methylene Chloride	11
Trip Blank	5/12/25	Chloroform	0.6 J
Trip Blank	5/13/25	Chloroform	0.5 J
Trip Blank	5/14/25	Chloroform	0.5 J
Trip Blank	5/15/25	Chloroform	0.6 J

Notes: VOC/SVOC concentrations in micrograms per liter (ug/L): J = trace concentration

TABLE 1

DETECTED ORGANIC COMPOUNDS
CHIQUITA CANYON LANDFILL
JUNE 2025

Well ID	Sample Date	Compound	Concentration (ug/L)
DMP			
PZ-4	6/11/25	Freon 12	1.1 J
EMP			
DW-15	6/11/25	1,4-Dichlorobenzene	0.2 J
DW-16	6/12/25	1,1-Dichloroethane	1.2 J
DW-16	6/12/25	1,4-Dichlorobenzene	0.2 J
DW-16	6/12/25	Benzene	0.2 J
DW-16	6/12/25	Chloroform	0.1 J
DW-16	6/12/25	cis-1,2-Dichloroethene	0.7 J
DW-16	6/12/25	Freon 12	0.4 J
DW-16	6/12/25	Tetrachloroethene	0.6 J
DW-16	6/12/25	Trichloroethene	0.7 J
DW-16	6/12/25	Trichlorofluoromethane	0.1 J
DW-30	6/11/25	Tetrachloroethene	0.6 J
DW-31	6/9/25	1,4-Dioxane	10
FP-01	6/19/25	1,4-Dioxane	6.2
CAP			
DW-1	6/12/25	1,1-Dichloroethane	0.2 J
DW-1	6/12/25	Freon 12	0.4 J
DW-1	6/12/25	Tetrachloroethene	0.2 J
DW-3	6/12/25	1,1-Dichloroethane	0.2 J
DW-3	6/12/25	Freon 12	4.1 J
DW-3	6/12/25	Tetrachloroethene	0.8 J
DW-3	6/12/25	Trichlorofluoromethane	0.1 J
BLANKS			
Equipment Blank	6/19/25	Chloroform	0.6 J
Equipment Blank	6/19/25	Methylene Chloride	3.4 J
Field Blank	6/9/25	Chloroform	0.7 J
Field Blank	6/9/25	Methylene Chloride	7.4
Field Blank	6/10/25	Chloroform	0.8 J
Field Blank	6/10/25	Methylene Chloride	7.7
Field Blank	6/11/25	Chloroform	0.8 J
Field Blank	6/11/25	Methylene Chloride	7.0
Field Blank	6/12/25	Chloroform	0.7 J
Field Blank	6/12/25	Methylene Chloride	6.7
Field Blank	6/19/25	Chloroform	0.7 J
Field Blank	6/19/25	Methylene Chloride	3.9 J
Trip Blank	6/9/25	Chloroform	0.9 J
Trip Blank	6/9/25	Methylene Chloride	7.3
Trip Blank	6/10/25	Chloroform	0.8 J
Trip Blank	6/10/25	Methylene Chloride	6.9

TABLE 1

DETECTED ORGANIC COMPOUNDS
CHIQUITA CANYON LANDFILL
JUNE 2025

Well ID	Sample Date	Compound	Concentration (ug/L)
Trip Blank	6/11/25	Chloroform	0.5 J
Trip Blank	6/12/25	Chloroform	0.5 J
Trip Blank	6/19/25	Chloroform	0.5 J

Notes: VOC/SVOC concentrations in micrograms per liter (ug/L): J = trace concentration

TABLE 3

SUMMARY OF STATISTICAL ANALYSIS
Chiquita Canyon Landfill, Valencia, California

Groundwater Monitoring Point	First Semiannual 2025									
	Alkalinity as CaCO3	Ammonia as N	Chemical Oxygen Demand (COD)	Chloride	Nitrate as N	Potassium, Total	Sodium, Total	Sulfate	Total Dissolved Solids (TDS)	Total Organic Carbon (TOC)
DW-1	W	W	W	W	W	W	W	W	W	W
DW-3	**E**	W	W	W	W	W	W	W	W	W
DW-7	W	W	W	W	W	W	W	W	W	W
DW-8	W	W	W	W	W	W	W	W	W	W
DW-12	W	W	W	W	W	W	W	W	W	W
DW-14	W	W	W	W	W	W	W	W	W	W
DW-15	W	W	W	W	W	W	W	W	W	W
DW-16	W	W	**E**	W	W	W	W	W	W	W
DW-17	W	W	W	W	W	W	W	W	**E**	W
DW-18	W	W	W	W	W	W	W	W	W	W
DW-21	W	W	W	W	W	W	W	W	W	W
DW-28	W	W	W	W	W	W	W	W	W	W
DW-29	W	W	W	W	W	W	W	W	W	W
DW-30	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DW-31	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
PZ-4	W	W	W	W	W	W	W	W	W	W

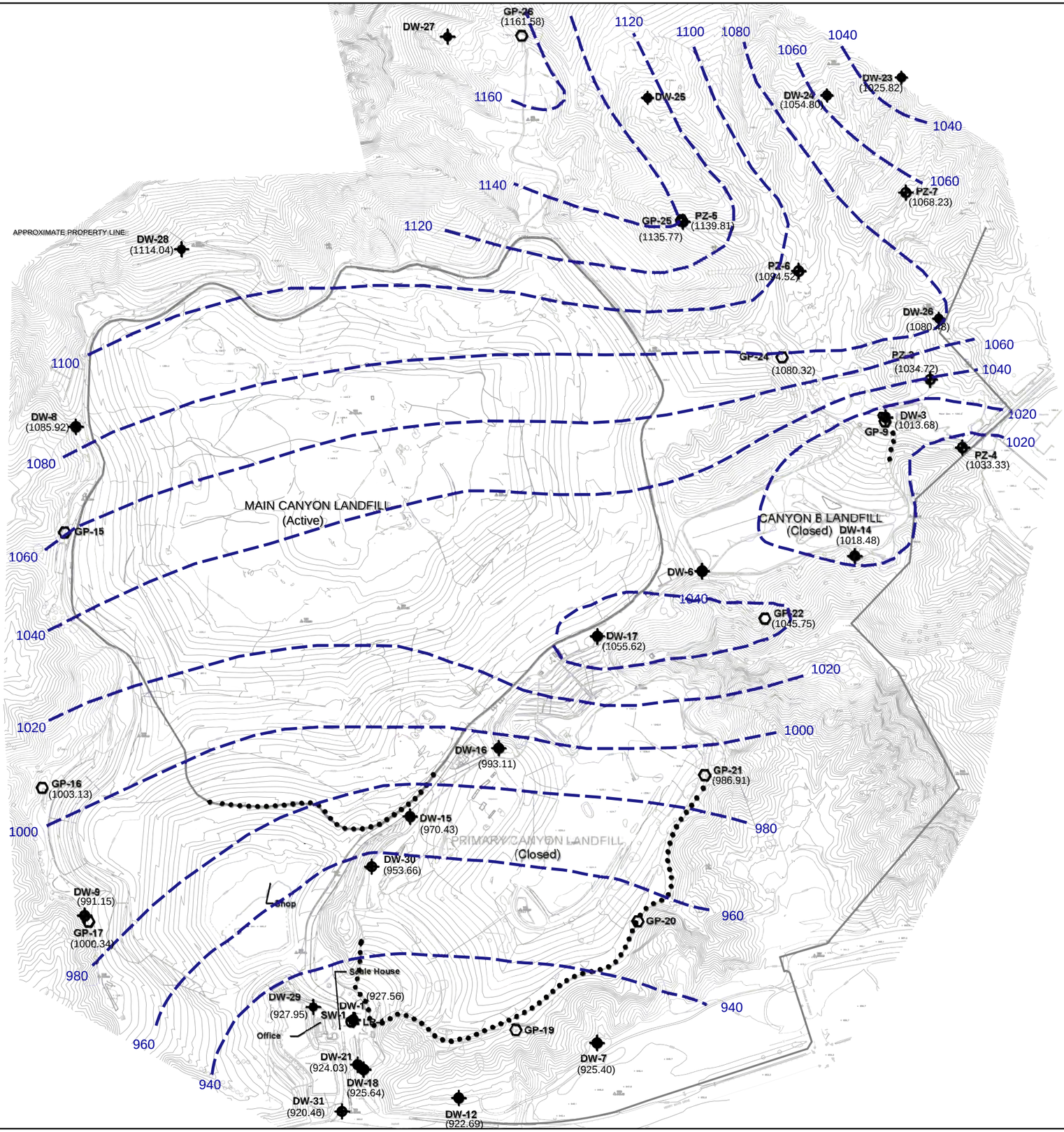
Statistical analysis performed using all values past 5 years as background and values for the current sampling period as compliance value.

Notes:
Shaded cells are well/parameter pairs monitored in tracking mode
Prediction Limit Results: W = Within limit, E = Exceeds limit.
n/a = Not analyzed due to insufficient number of data.

11.0 FIGURES

FIGURE 1 - GROUNDWATER ELEVATION CONTOUR MAP – 1ST QUARTER 2025

FIGURE 2 - GROUNDWATER ELEVATION CONTOUR MAP – 2ND QUARTER 2025



EXPLANATION

SW-1	VADOSE ZONE MONITORING WELL
LP-1	VACUUM PRESSURE LYSIMETER
GP-9	VADOSE ZONE GAS PROBE
DW-3	GROUNDWATER MONITORING WELL
PZ-3	PIEZOMETER
(1044.79)	GROUNDWATER ELEVATION (FT.-MSL) MEASURED JANUARY 9, 2025 (utm) = unable to measure

APPROXIMATE POINT OF COMPLIANCE

NOTES:

1. Groundwater encountered during July 2002 drilling of borings GP-11 (1104.1 ft - msl) and GP-A (1112.4 ft - msl)
2. Groundwater encountered during October 2002 drilling of boring DW-22RDA (1025.57 ft - msl)
3. Groundwater encountered during March 1989 drilling of borings E-7 (1054.5 ft - msl) and E-9 (928 ft - msl)
4. Groundwater encountered during December 2005 drilling of boring GP-12 (1097.8 ft - msl) and GP-14 (1066 ft - msl)
5. N.M. = Not measured

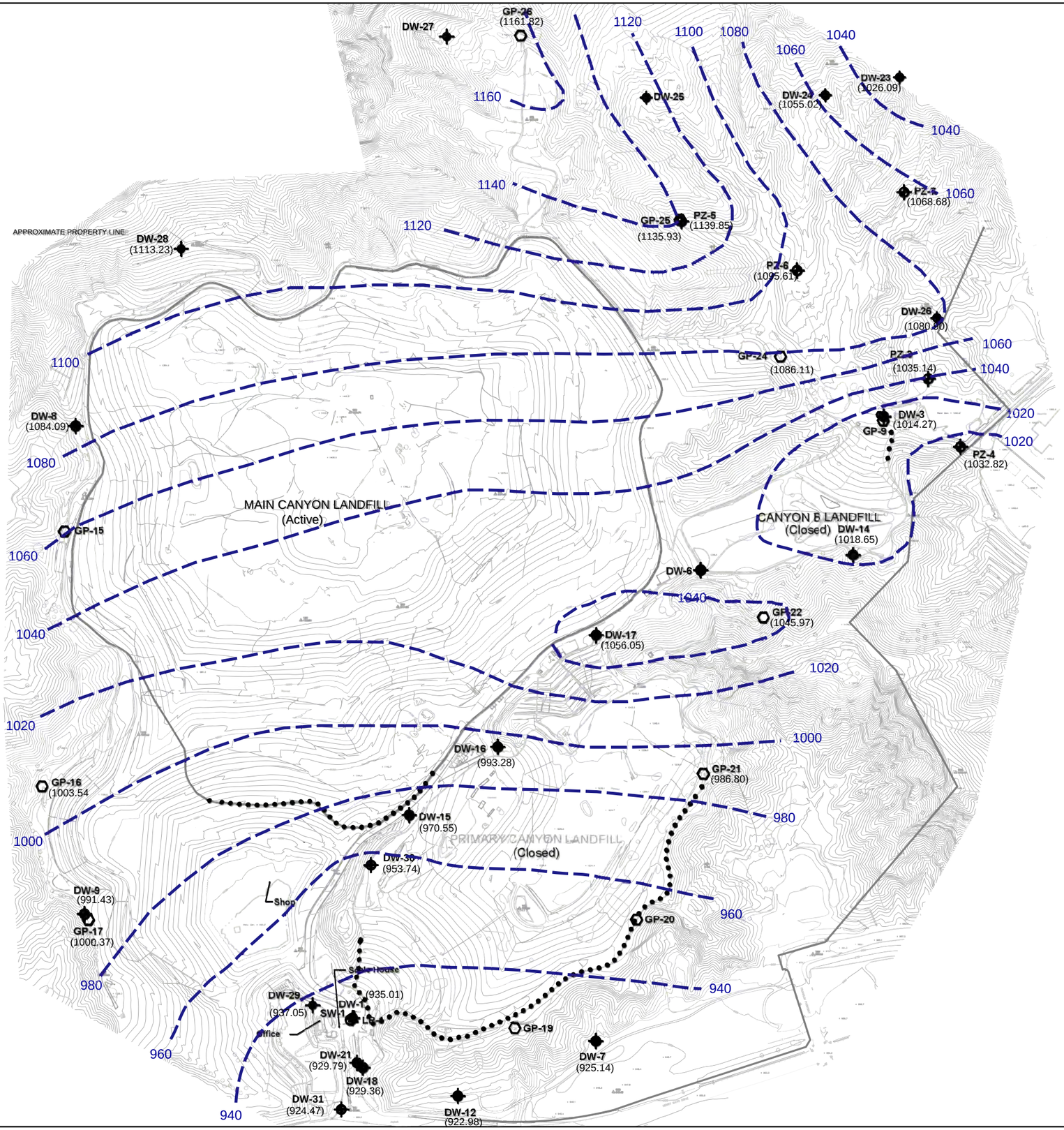
GRAPHIC SCALE

(IN FEET)
1 inch = 600 ft.

Topography updated January 2023

Chiquita Canyon Landfill
Castaic, California

FIGURE 1
GROUNDWATER ELEVATION CONTOUR MAP
1st Quarter 2025



EXPLANATION

- SW-1 — VADOSE ZONE MONITORING WELL
- LP-1 — VACUUM PRESSURE LYSIMETER
- GP-9 — VADOSE ZONE GAS PROBE
- DW-3 — GROUNDWATER MONITORING WELL
- PZ-3 — PIEZOMETER
- (1044.79) — GROUNDWATER ELEVATION (FT.-MSL) MEASURED APRIL 21, 2025 (utm) = unable to measure

APPROXIMATE POINT OF COMPLIANCE

NOTES:

1. Groundwater encountered during July 2002 drilling of borings GP-11 (1104.1 ft - msl) and GP-A (1112.4 ft - msl)
2. Groundwater encountered during October 2002 drilling of boring DW-22RDA (1025.57 ft - msl)
3. Groundwater encountered during March 1989 drilling of borings E-7 (1054.5 ft - msl) and E-9 (928 ft - msl)
4. Groundwater encountered during December 2005 drilling of boring GP-12 (1097.8 ft - msl) and GP-14 (1066 ft - msl)
5. N.M. = Not measured

GRAPHIC SCALE

(IN FEET)
1 inch = 600 ft.

Topography updated January 2023

Chiquita Canyon Landfill
Castaic, California

FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP
2nd Quarter 2025

12.0 APPENDICES

APPENDIX A

SAMPLING PROCEDURES AND FIELD DATA SHEETS

•CHANG ENVIRONMENTAL•

WELL GAUGING FORM
Chiquita Canyon Landfill

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

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

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

Elapsed Time	Temp (deg - C)	S. Cond. (mS/cm)	DO (mg/L)	pH (st. units)	ORP	Turb (NTU)	Notes
0:00							
2:00							
4:00							

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☐ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

•CHANG ENVIRONMENTAL•

WELL GAUGING FORM
Chiquita Canyon Landfill

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

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

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☐ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

FIELD DATA SHEET
LOW-FLOW PURGE

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

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

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

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

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

Field Readings:

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

Wellhead Inspection:

☑ Good ☐ Needs attention: _____

APPENDIX B

GROUNDWATER ELEVATIONS

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

Most Recent Elevation Calculation:

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

Notes:

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

APPENDIX B
GROUNDWATER ELEVATIONS
Chiquita Canyon Landfill

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

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

Most Recent Elevation Calculation:

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

Notes:

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

APPENDIX C

PREDICTION LIMIT PLOTS

Prediction Limit

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

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

Prediction Limit

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

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

Prediction Limit

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

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

Prediction Limit

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

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

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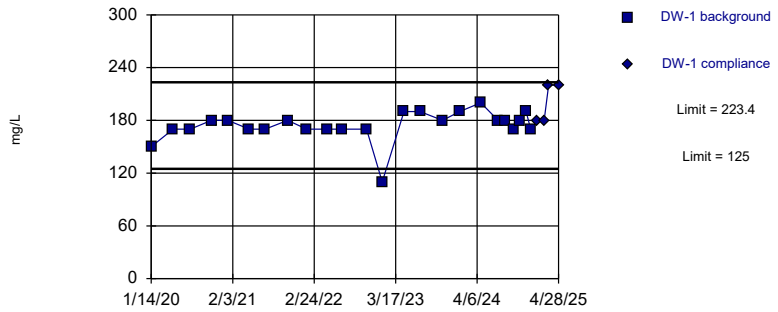
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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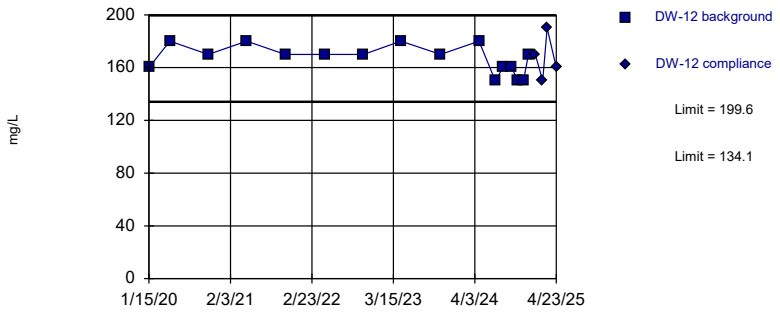
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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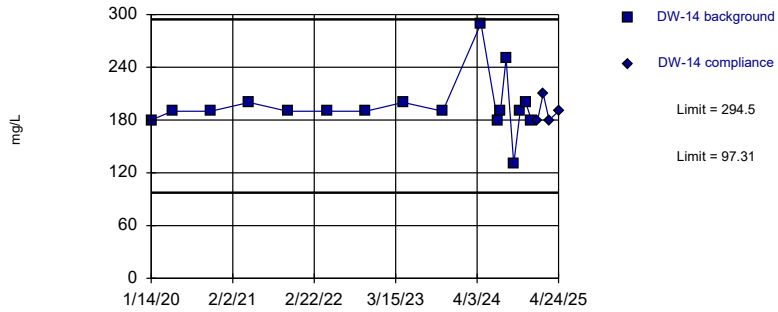
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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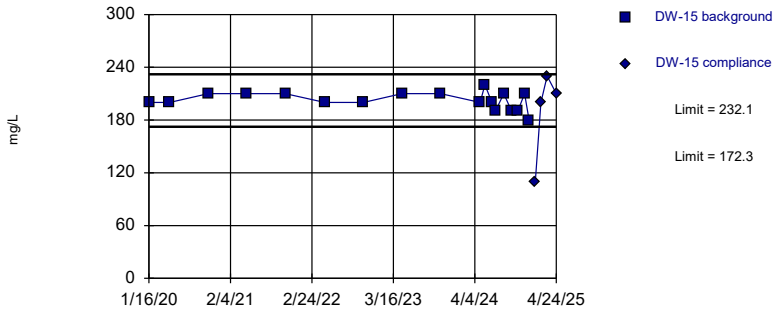
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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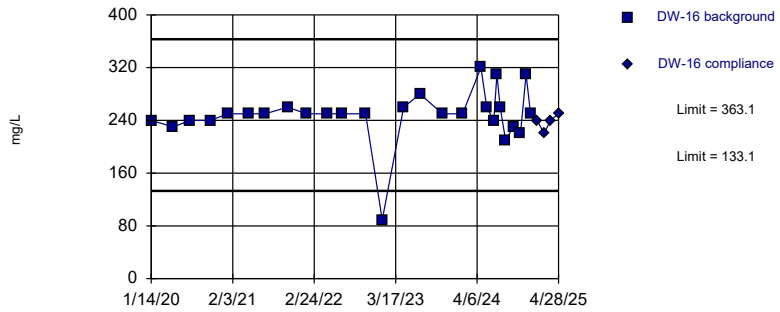
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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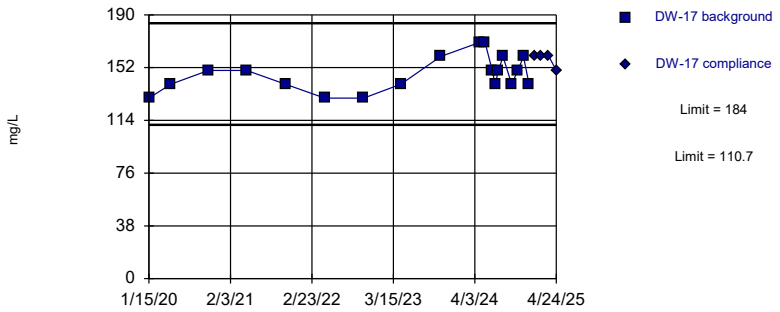
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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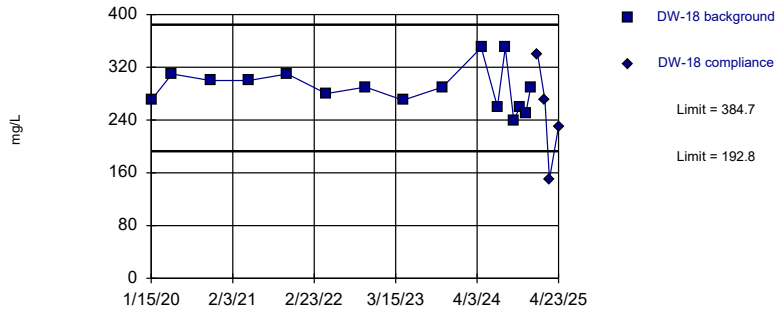
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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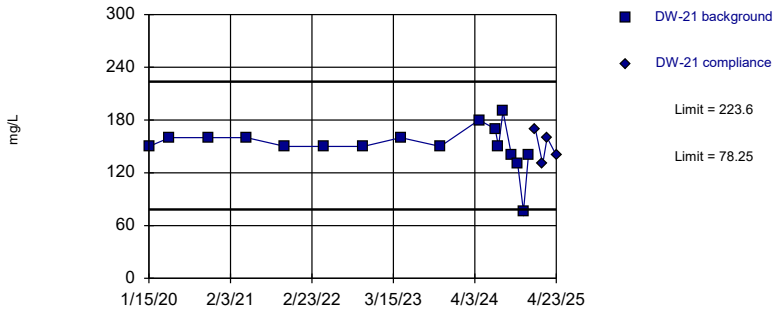
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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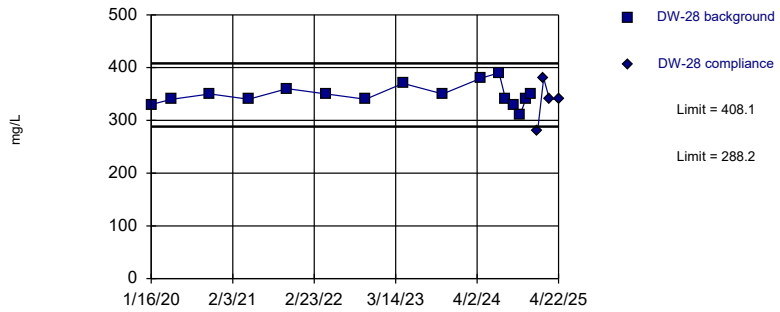
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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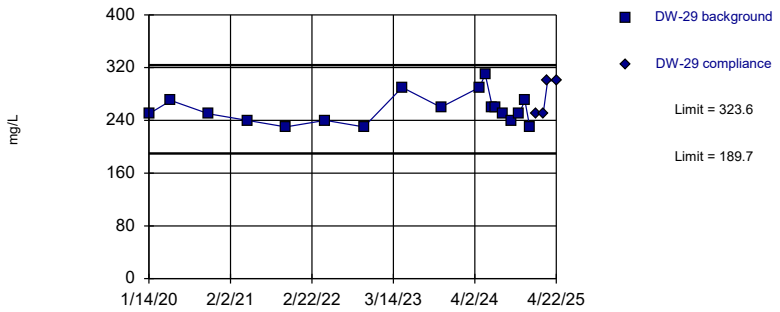
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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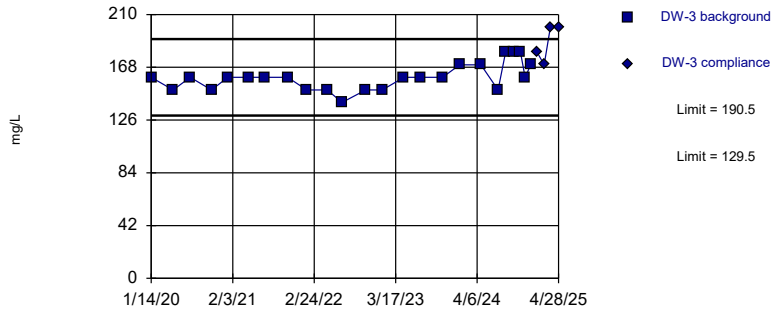
Exceeds Limits

Prediction Limit

Intrawell Parametric



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

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

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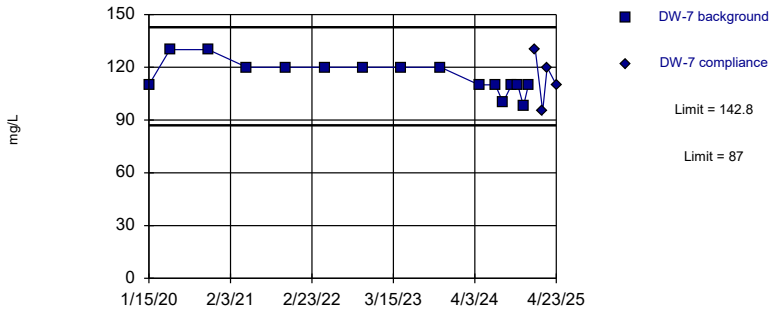
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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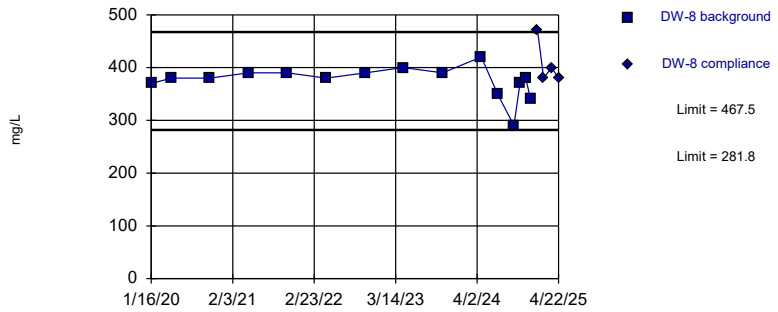
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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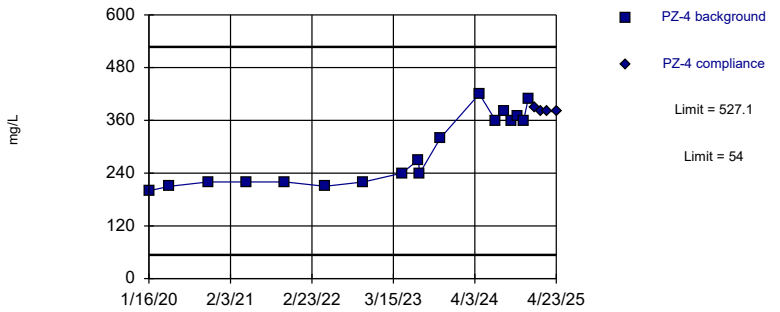
Within Limits

Prediction Limit

Intrawell Parametric



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

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

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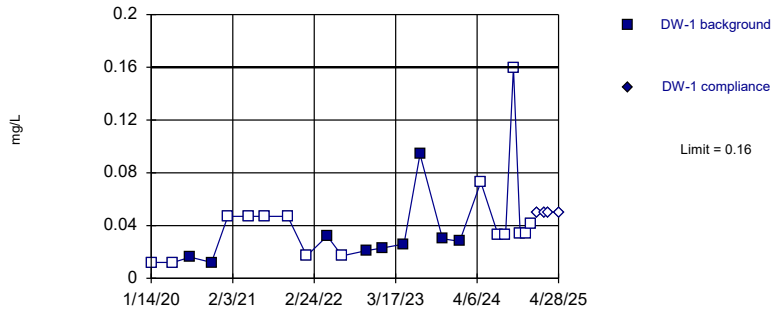
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



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

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

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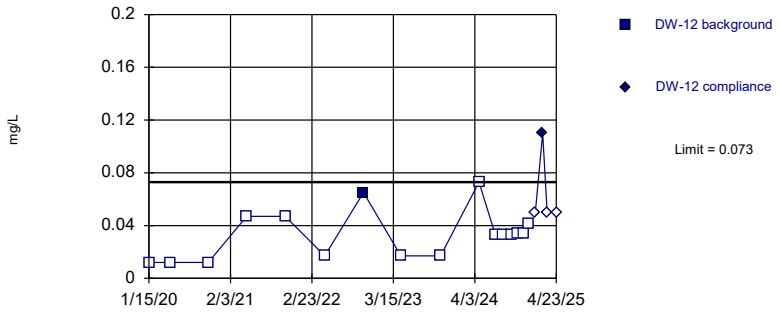
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



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

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

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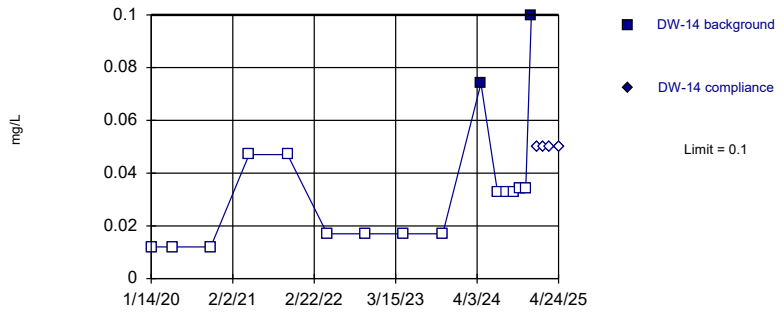
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



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

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

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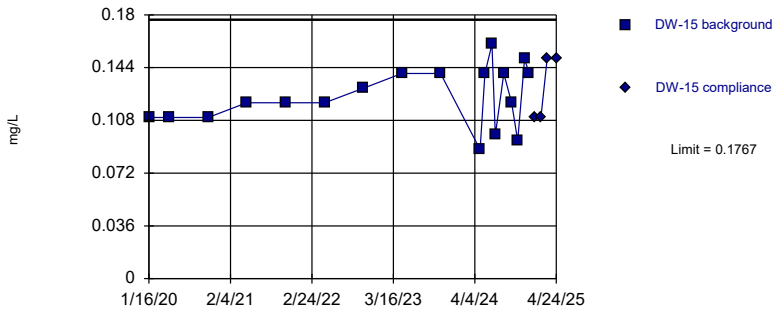
Within Limit

Prediction Limit

Intrawell Parametric



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

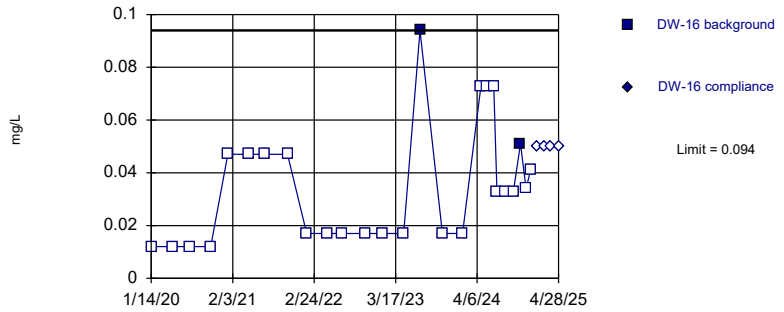
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

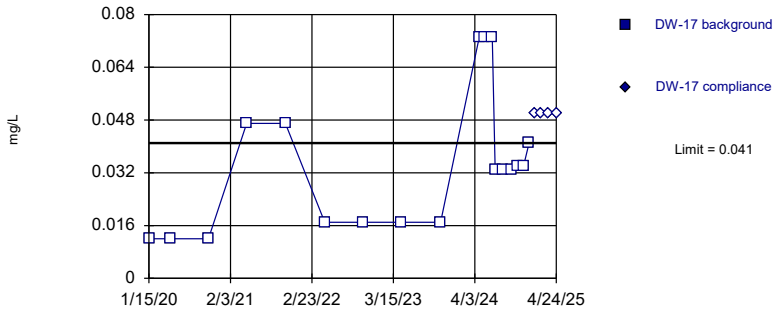
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

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

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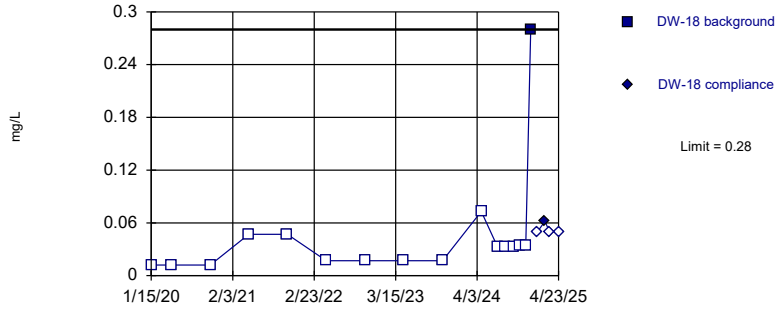
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



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

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

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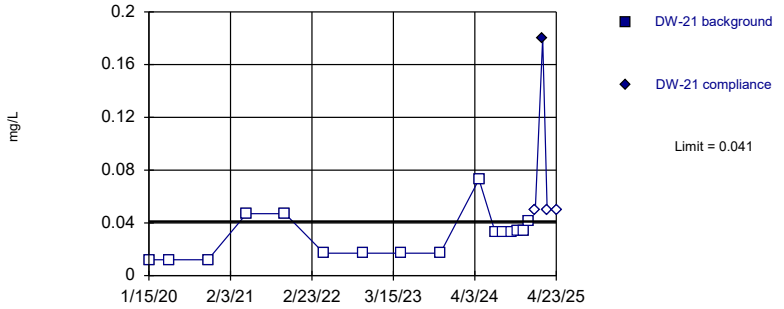
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



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

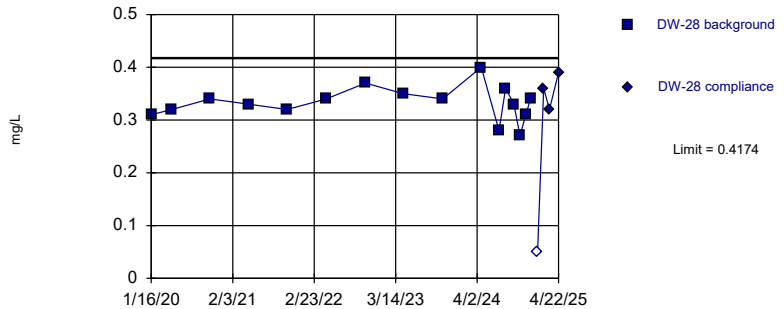
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Parametric



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

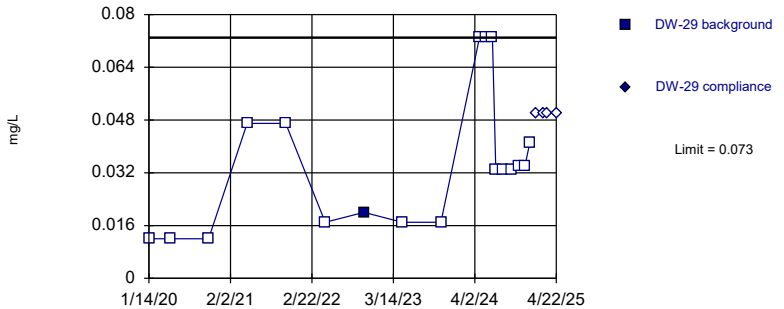
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

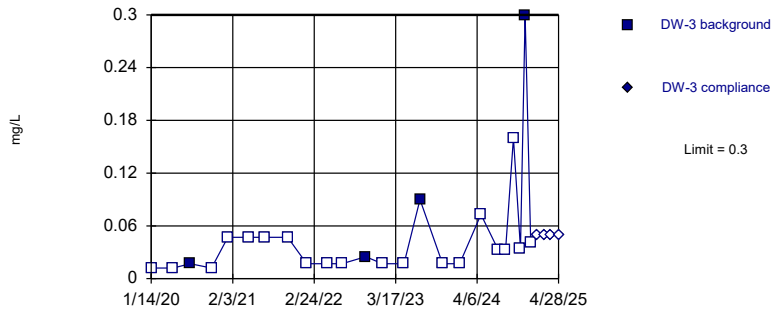
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

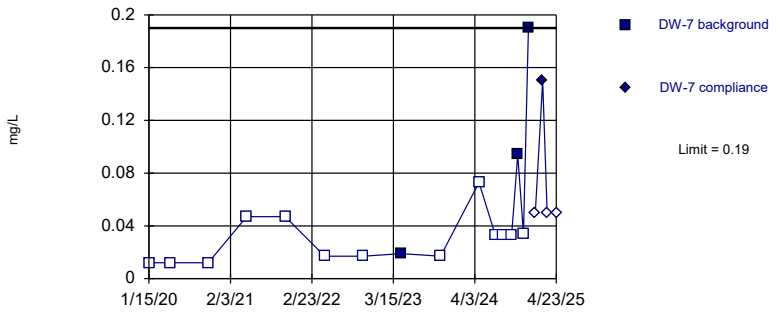
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

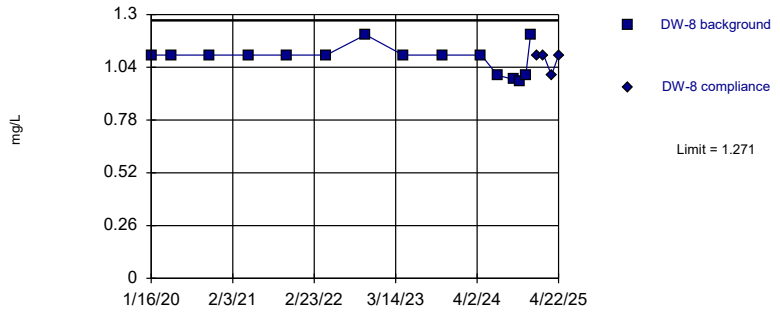
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



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

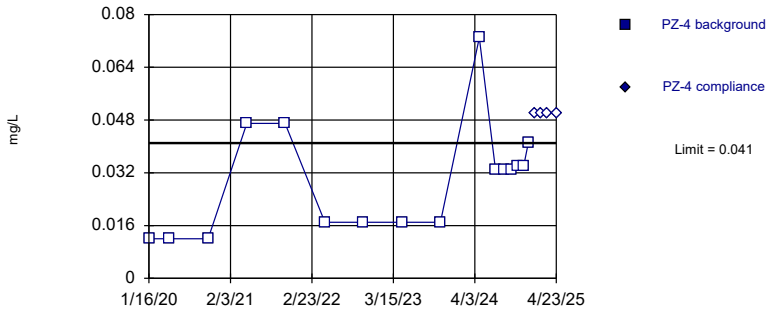
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

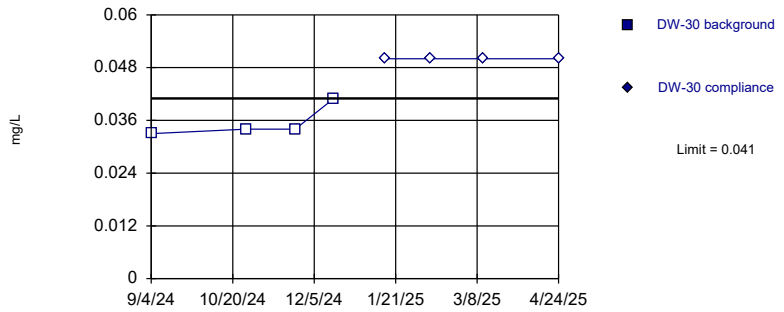
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

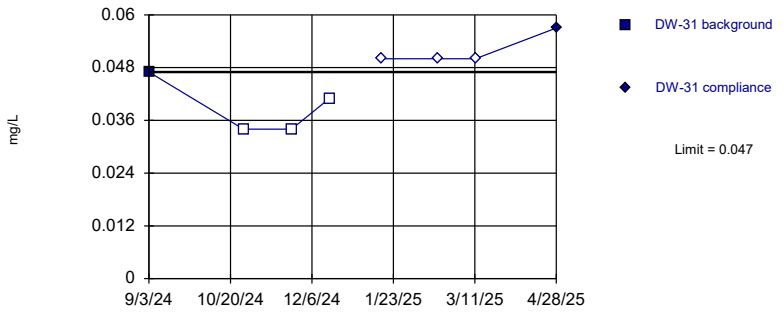
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

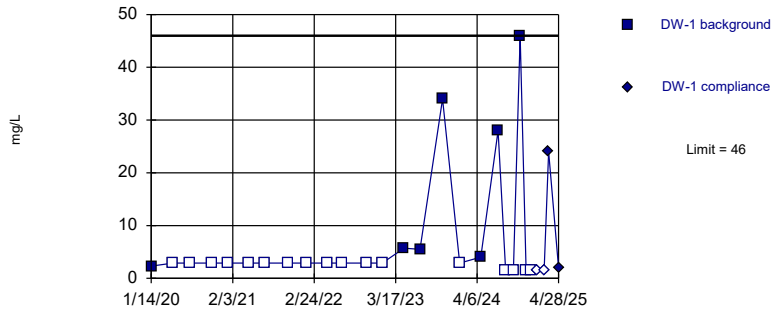
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

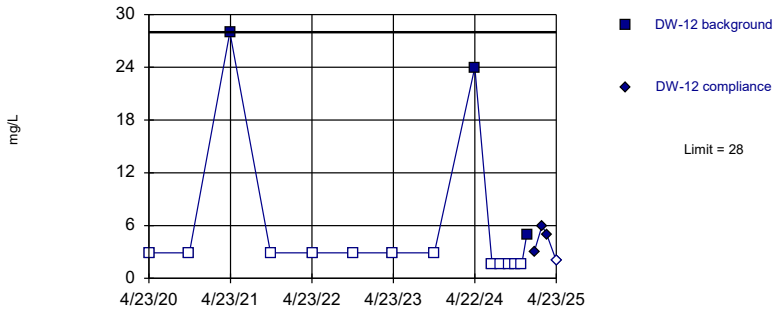
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

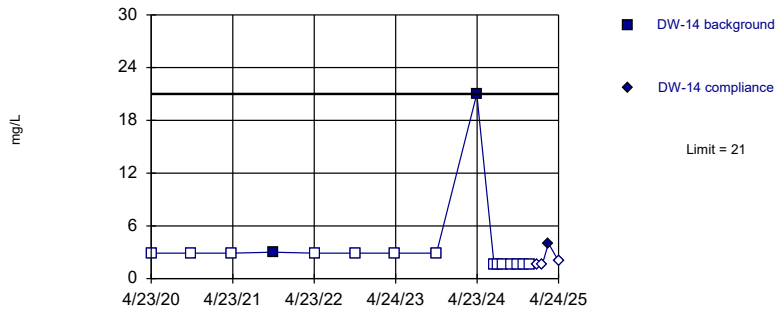
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

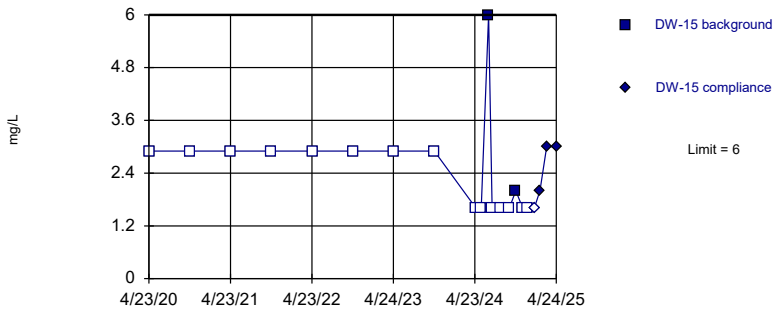
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

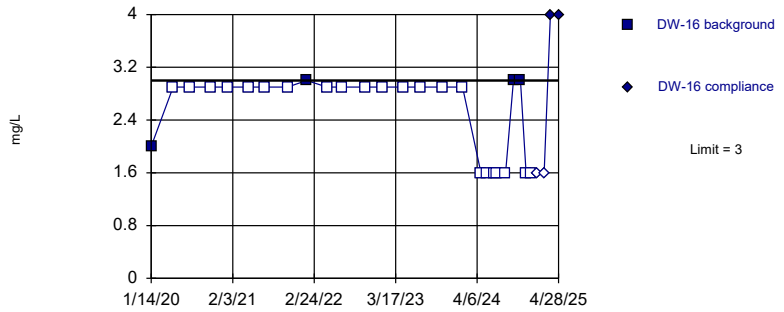
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



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

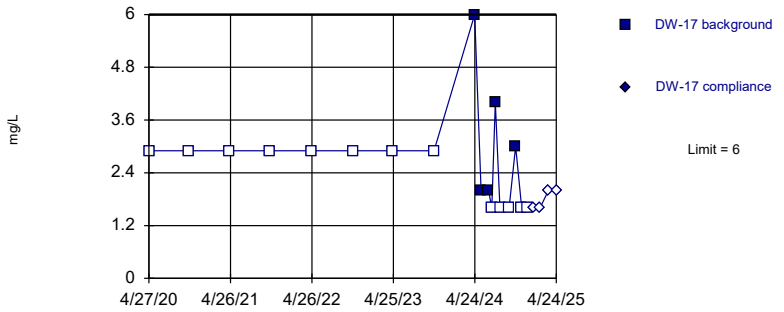
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

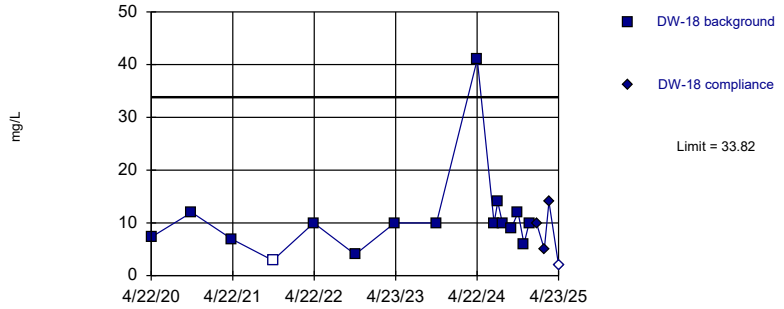
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Parametric



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

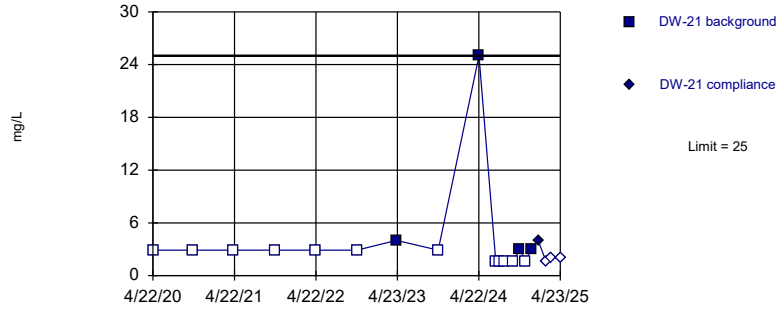
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

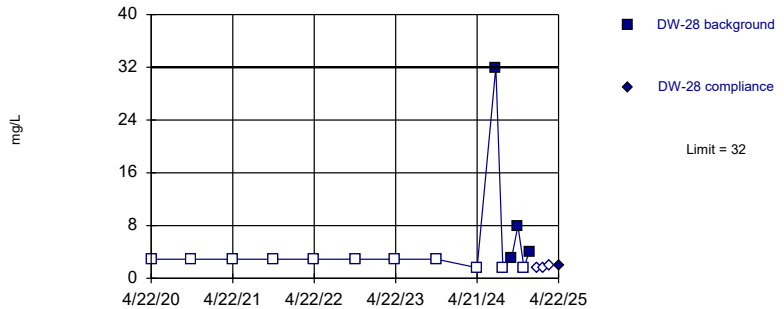
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

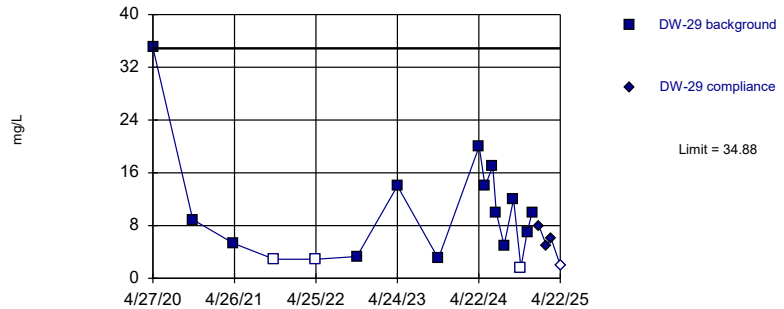
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Parametric



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

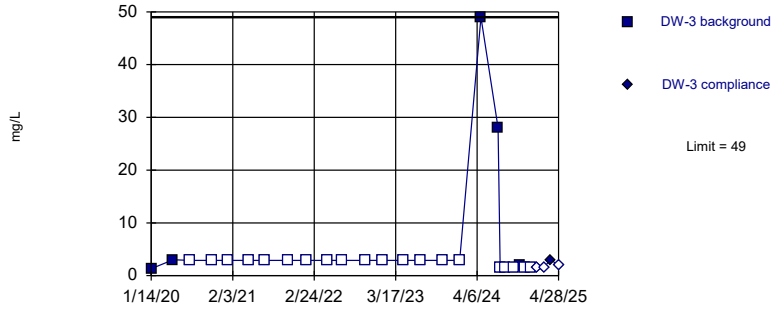
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

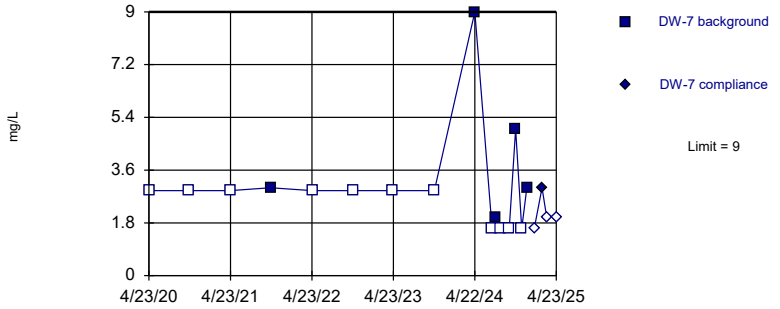
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

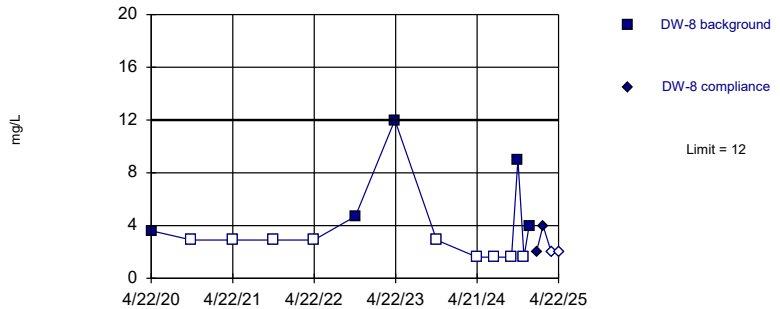
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Non-parametric



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

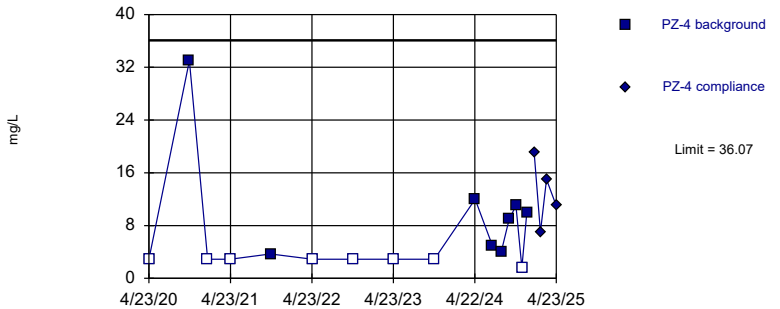
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Parametric



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

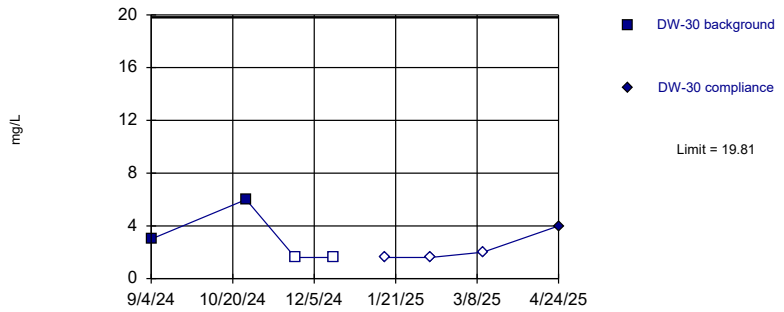
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Cohen`s Adjustment): Mean=1.625, Std. Dev.=3.583, n=4, 50% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

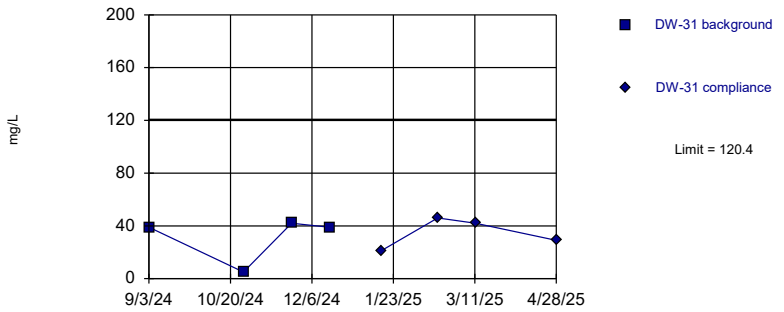
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=31.25, Std. Dev.=17.56, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

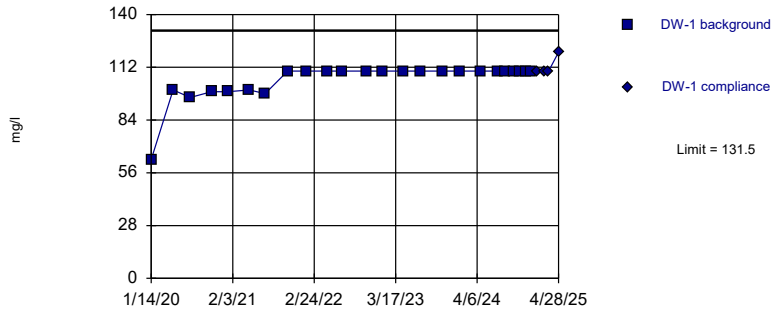
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=105.2, Std. Dev.=10.3, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

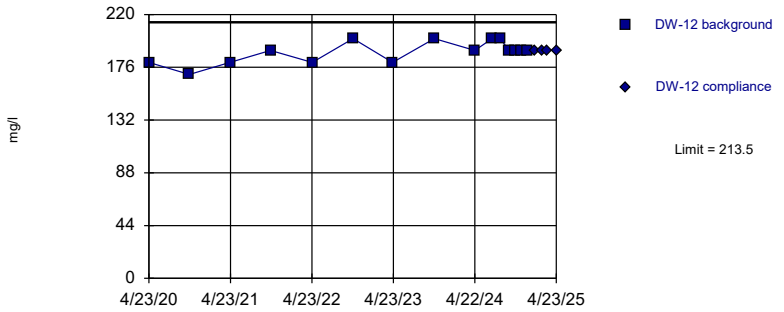
Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=188.7, Std. Dev.=9.155, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

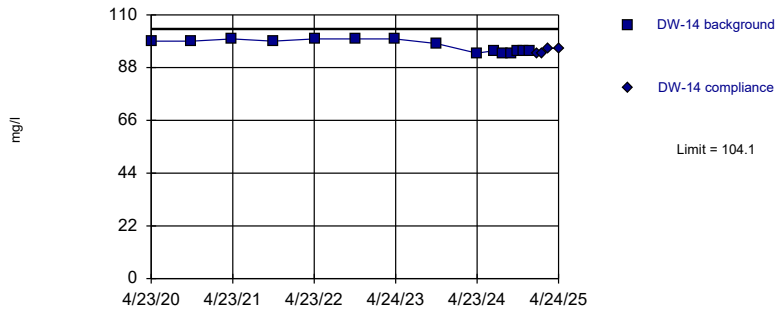
Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=97.13, Std. Dev.=2.56, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

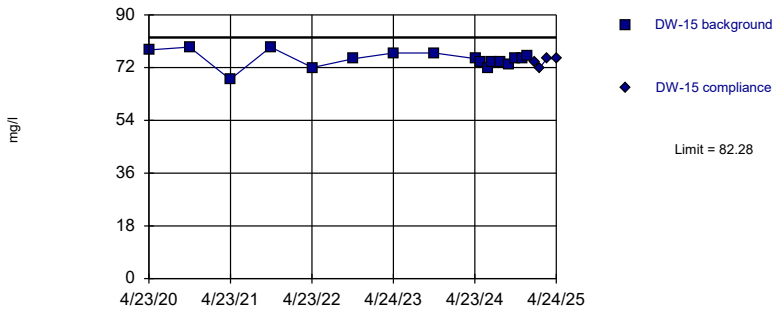
Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=74.88, Std. Dev.=2.781, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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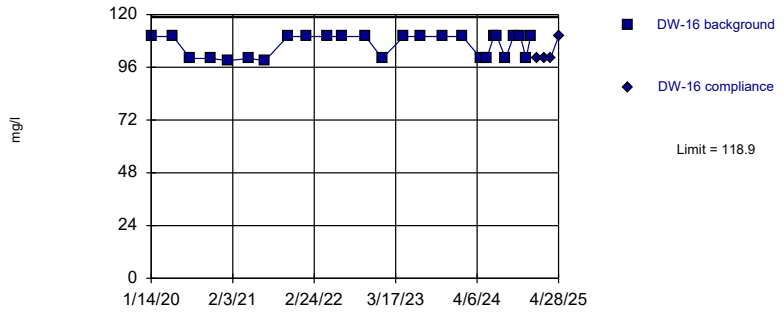
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=106.1, Std. Dev.=5.067, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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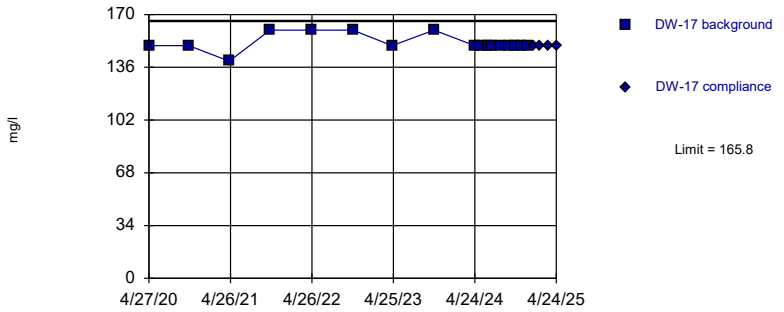
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=151.8, Std. Dev.=5.286, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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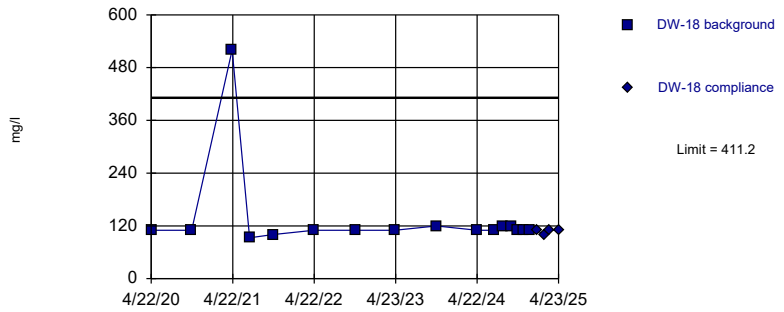
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=135.8, Std. Dev.=102.7, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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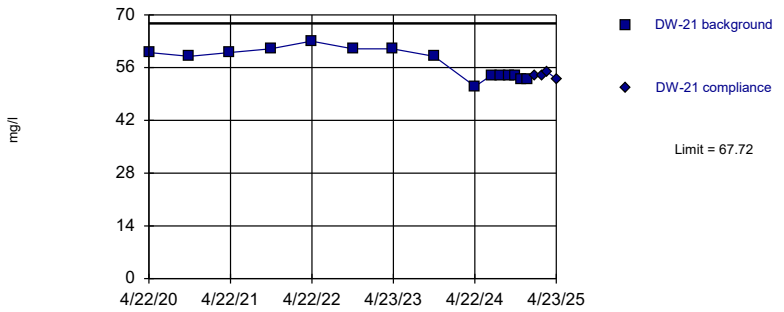
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=57.13, Std. Dev.=3.907, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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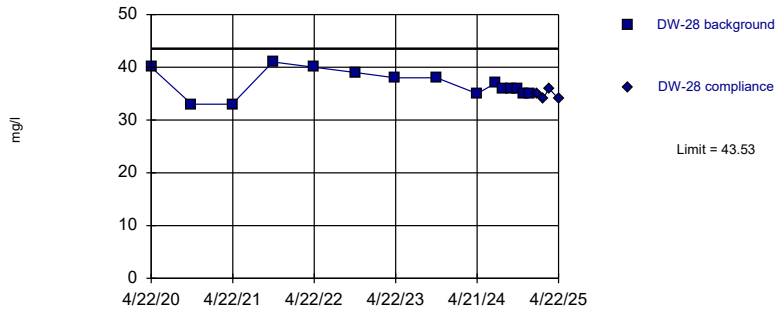
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=36.8, Std. Dev.=2.484, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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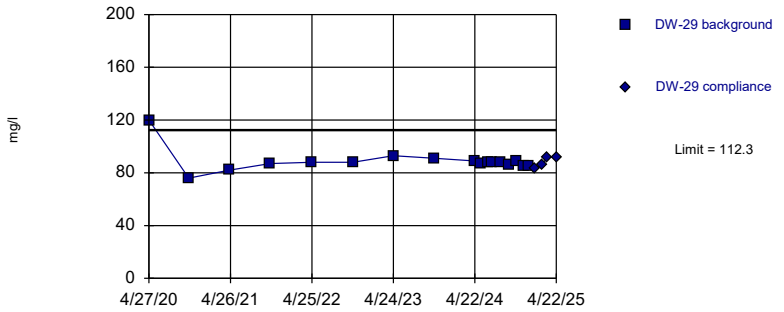
Within Limit

Prediction Limit

Intrawell Parametric



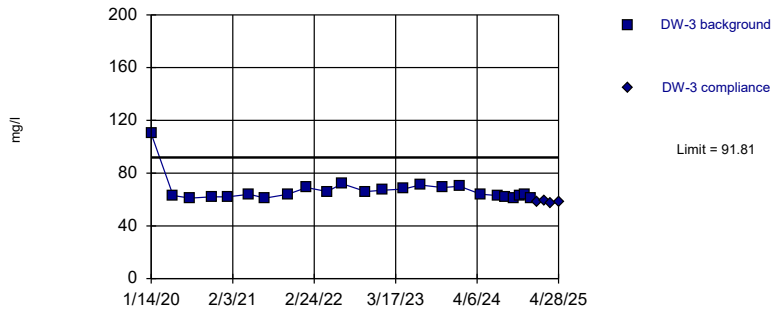
Background Data Summary: Mean=88.82, Std. Dev.=8.848, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=66.79, Std. Dev.=9.807, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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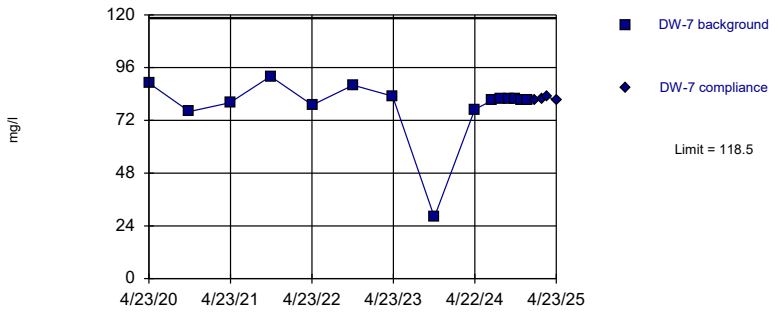
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=78.73, Std. Dev.=14.68, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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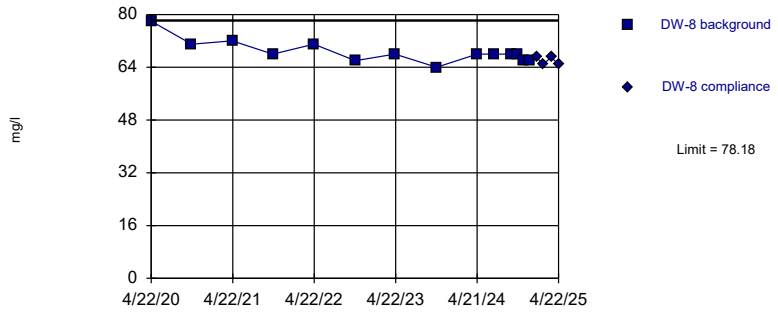
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=68.71, Std. Dev.=3.451, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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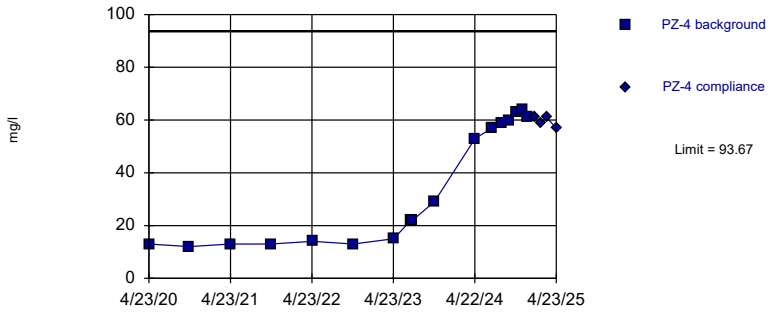
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=34.29, Std. Dev.=22.33, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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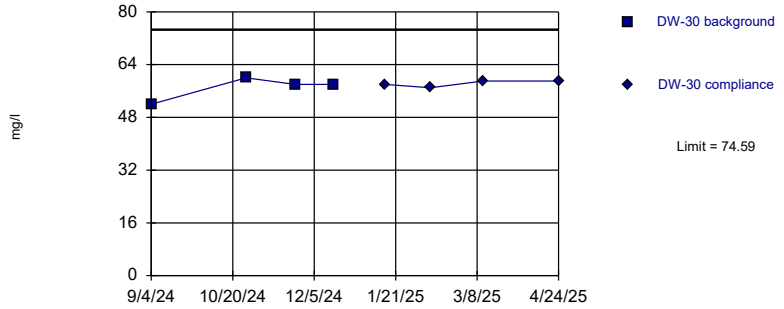
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=57, Std. Dev.=3.464, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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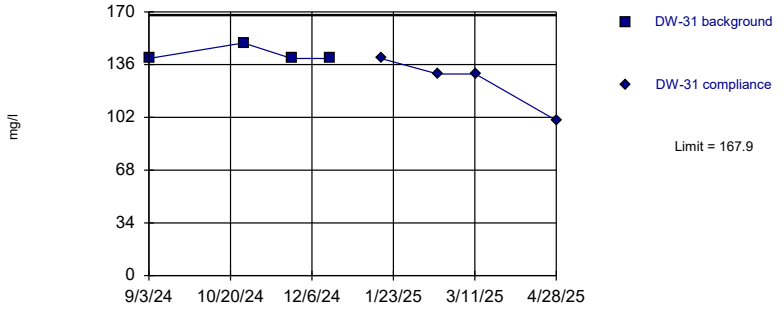
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=142.5, Std. Dev.=5, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

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

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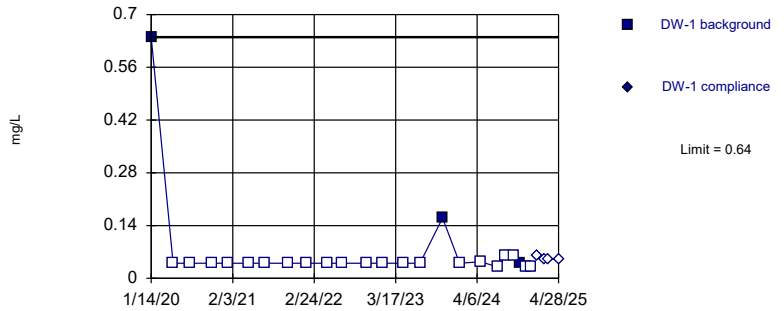
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Report alpha = 0.04. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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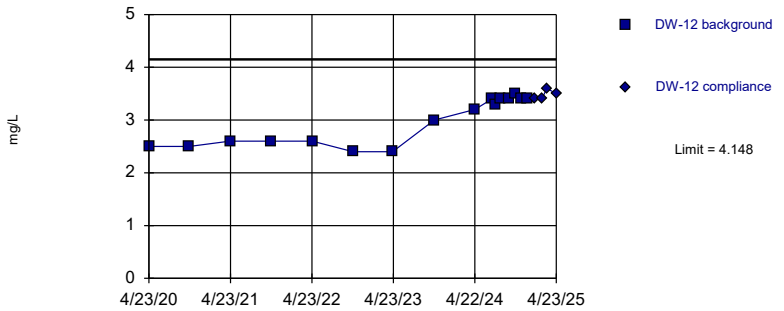
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.975, Std. Dev.=0.4374, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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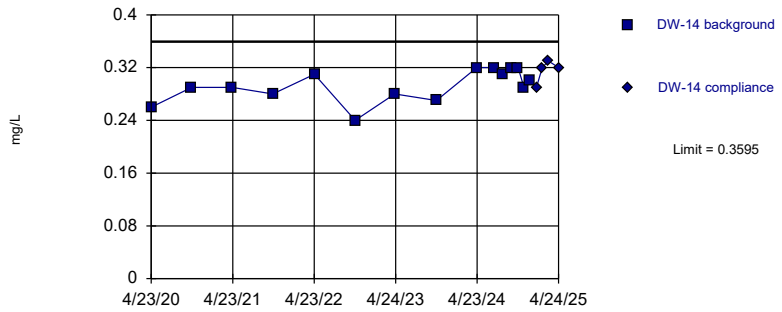
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2933, Std. Dev.=0.0244, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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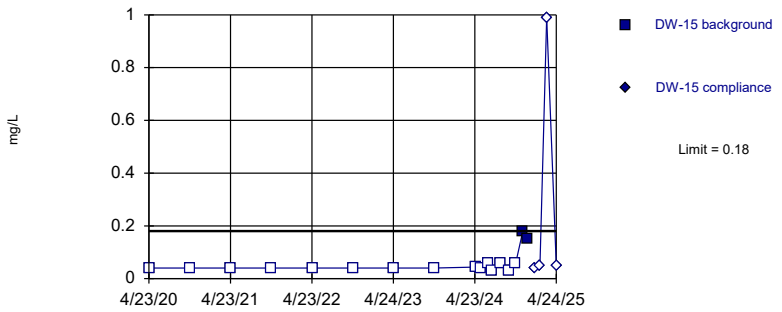
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Report alpha = 0.05556. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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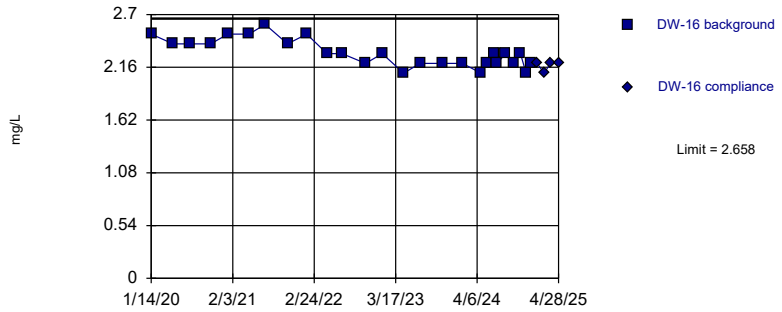
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.304, Std. Dev.=0.1399, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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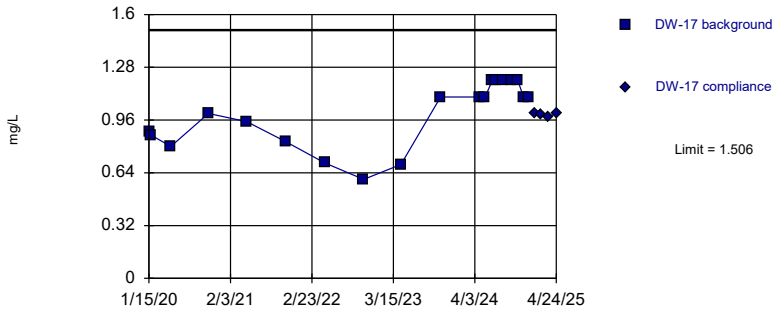
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.9911, Std. Dev.=0.1965, n=19. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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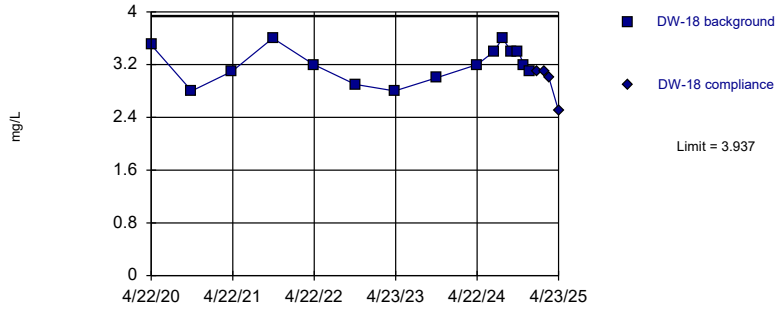
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=3.213, Std. Dev.=0.2669, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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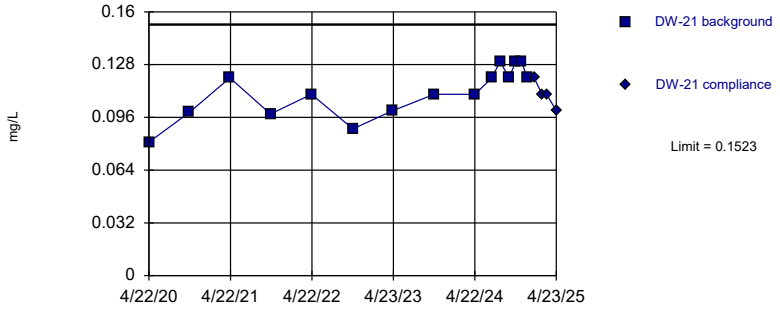
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1111, Std. Dev.=0.01518, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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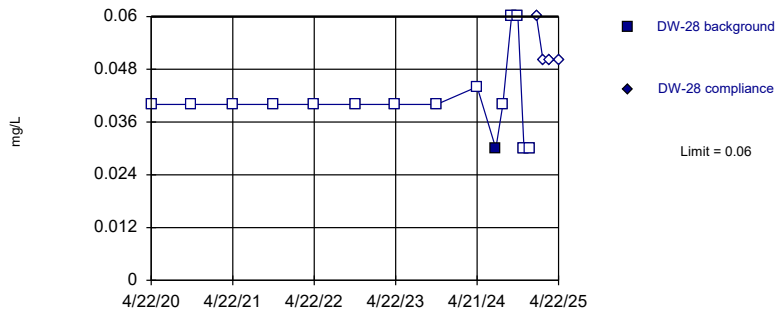
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Report alpha = 0.0625. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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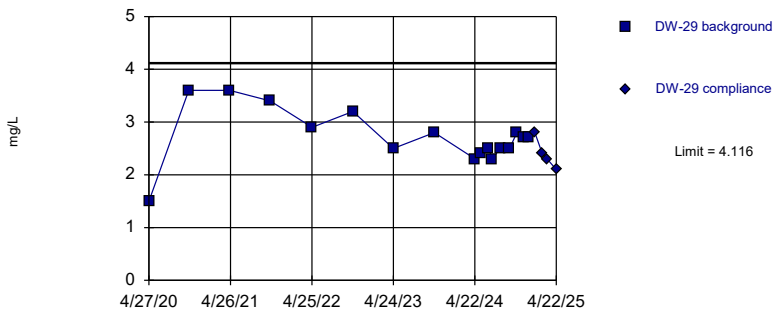
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.718, Std. Dev.=0.5259, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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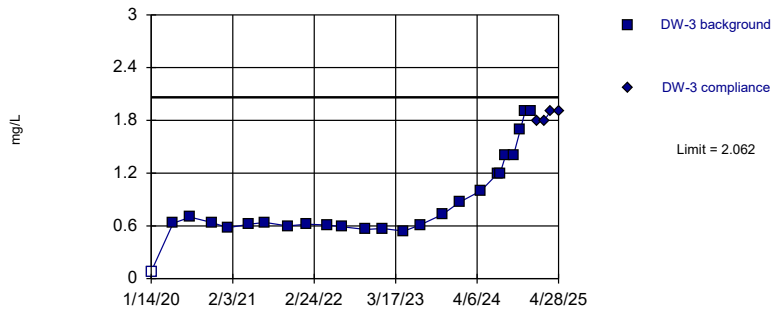
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.8756, Std. Dev.=0.467, n=25, 4% NDs. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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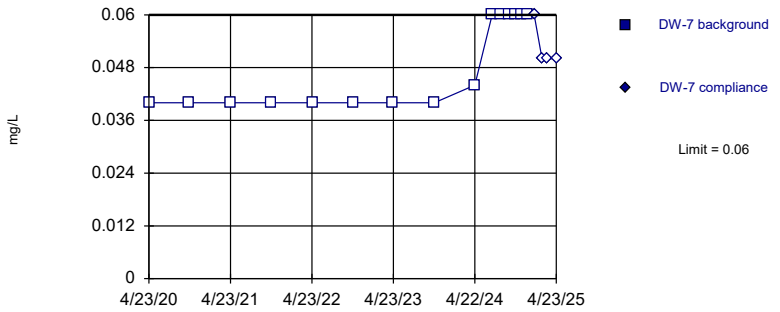
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Report alpha = 0.0625. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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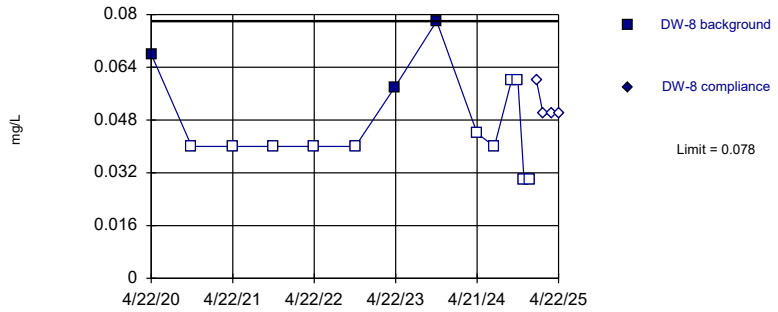
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Report alpha = 0.06667. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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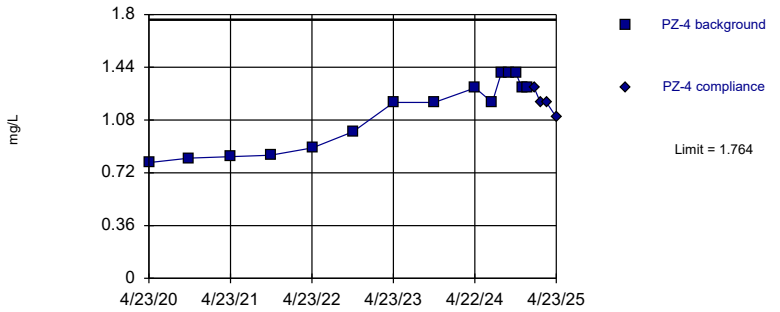
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.125, Std. Dev.=0.236, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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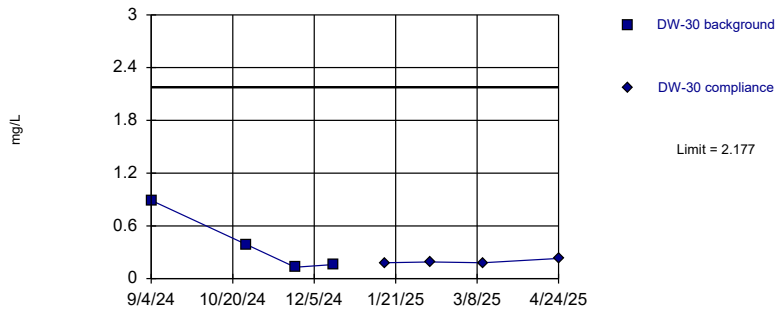
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3925, Std. Dev.=0.3514, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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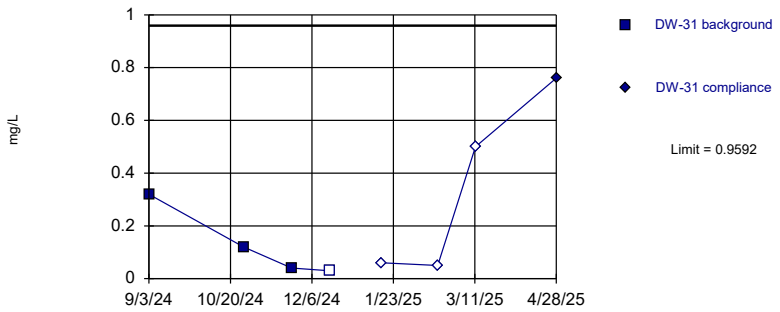
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Cohen`s Adjustment): Mean=0.09929, Std. Dev.=0.1694, n=4, 25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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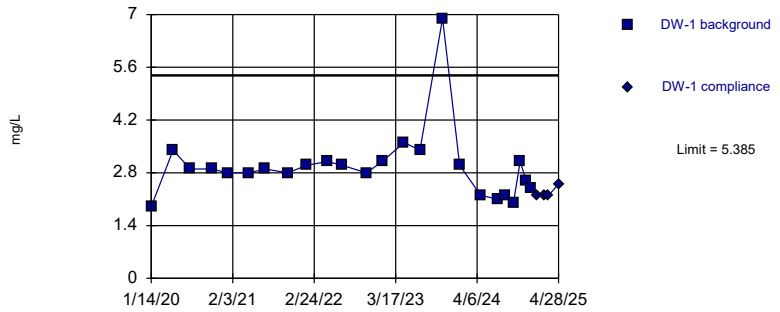
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.954, Std. Dev.=0.9528, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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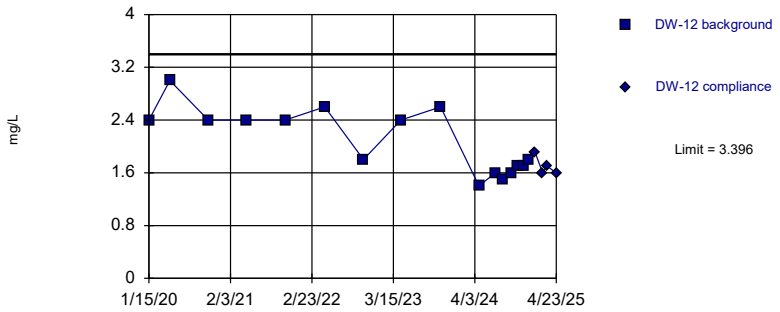
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.081, Std. Dev.=0.4902, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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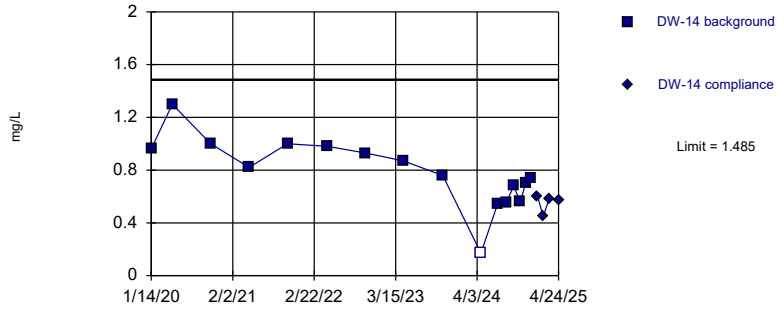
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.785, Std. Dev.=0.2609, n=16, 6.25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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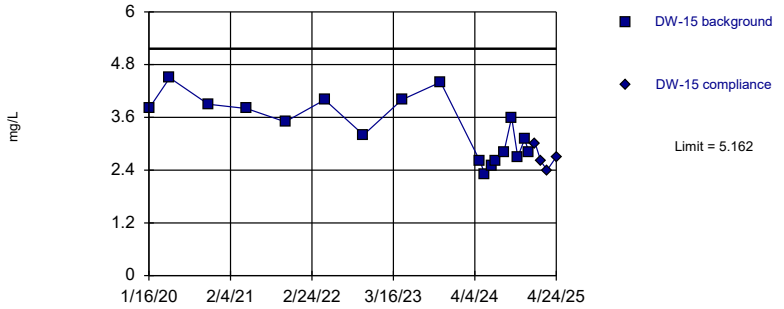
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=3.339, Std. Dev.=0.6912, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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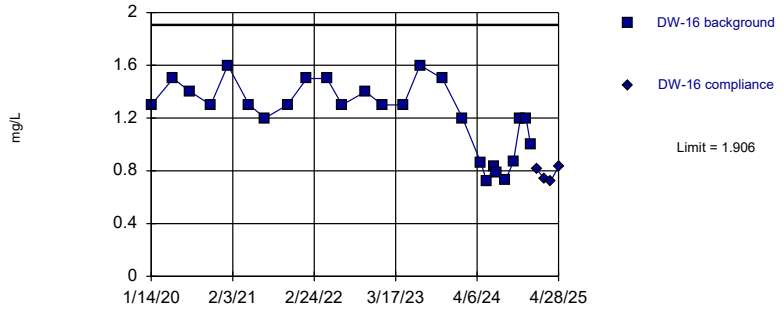
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.219, Std. Dev.=0.2714, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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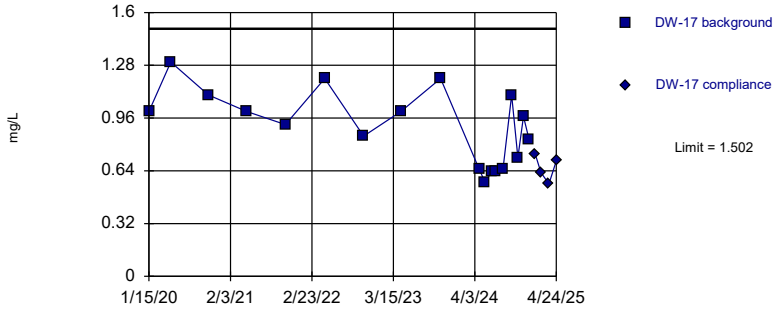
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.9078, Std. Dev.=0.2253, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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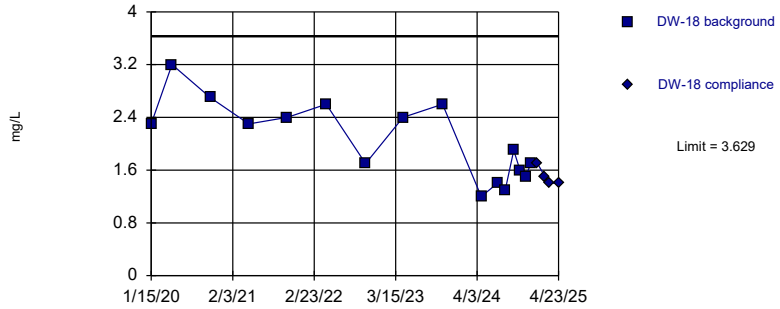
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.05, Std. Dev.=0.5888, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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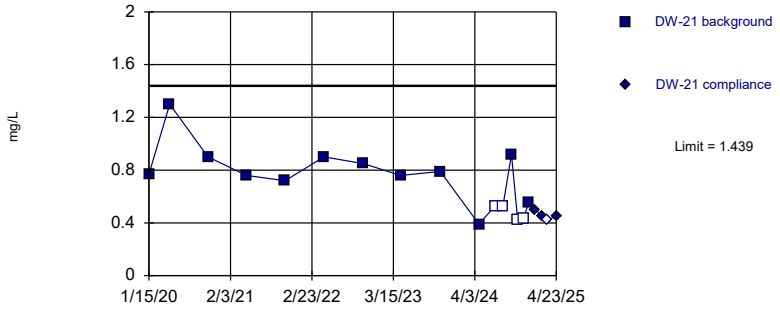
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Cohen`s Adjustment): Mean=0.6896, Std. Dev.=0.2795, n=16, 25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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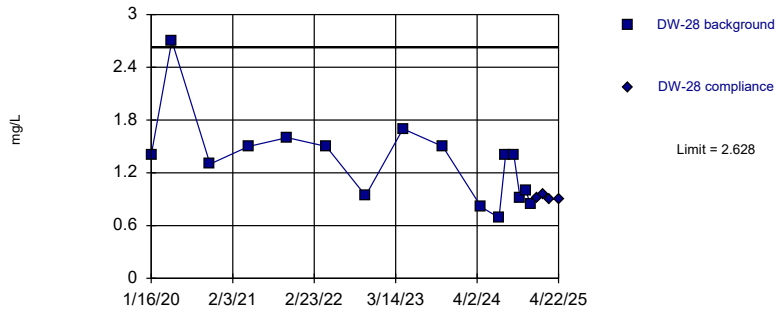
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.325, Std. Dev.=0.4856, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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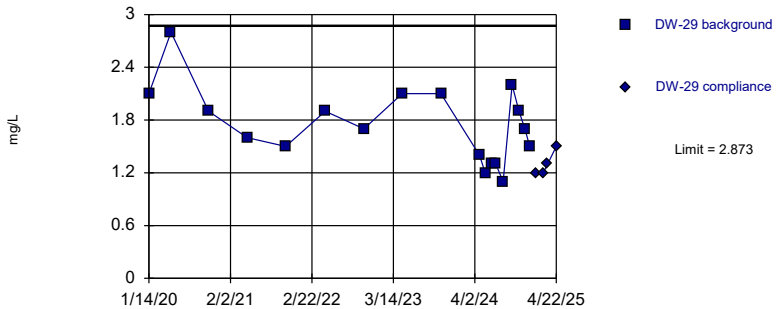
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.739, Std. Dev.=0.43, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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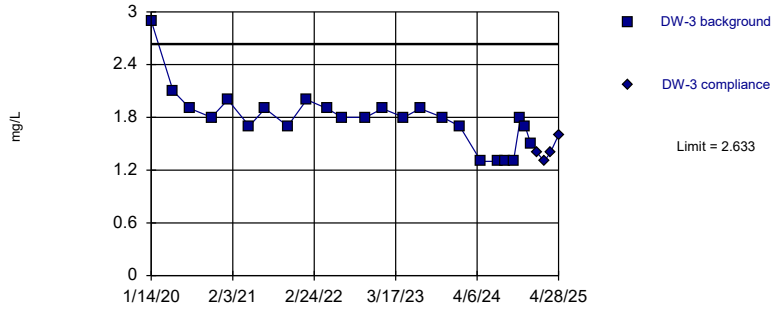
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.783, Std. Dev.=0.3332, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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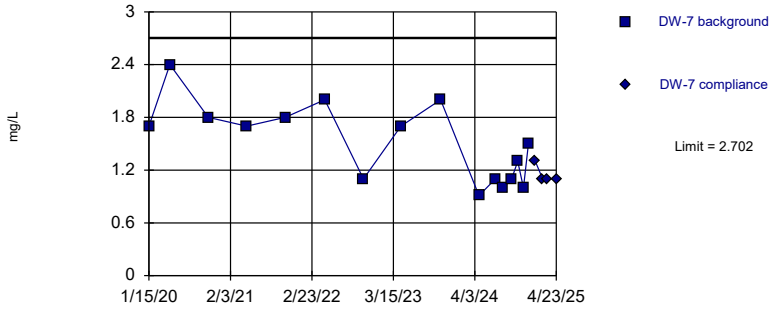
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.507, Std. Dev.=0.4455, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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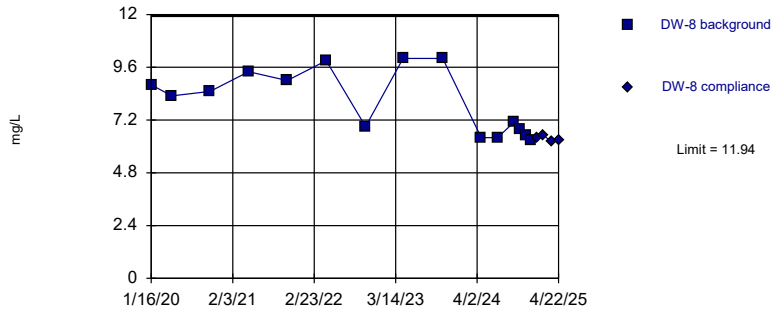
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.02, Std. Dev.=1.446, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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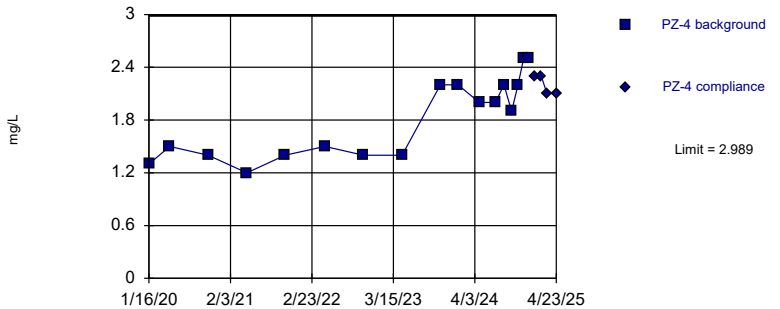
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.812, Std. Dev.=0.4428, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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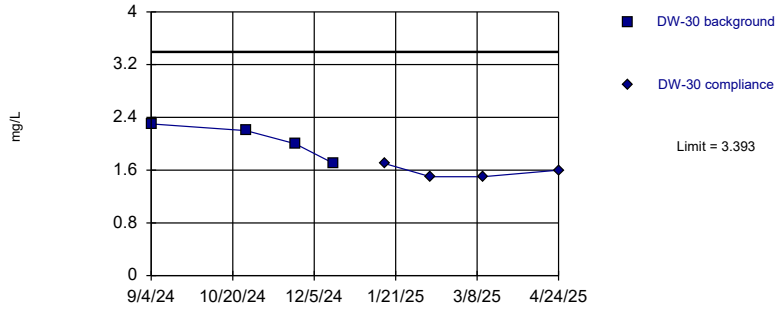
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.05, Std. Dev.=0.2646, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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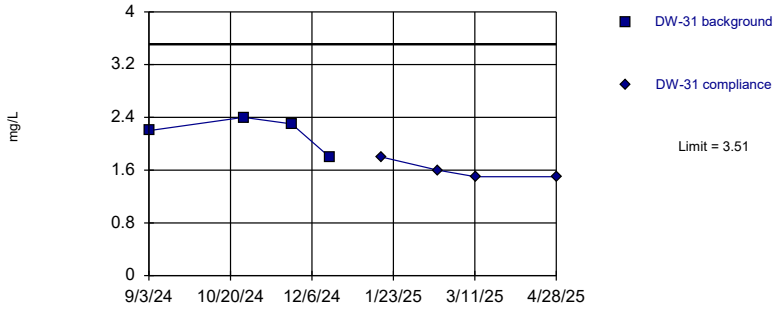
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.175, Std. Dev.=0.263, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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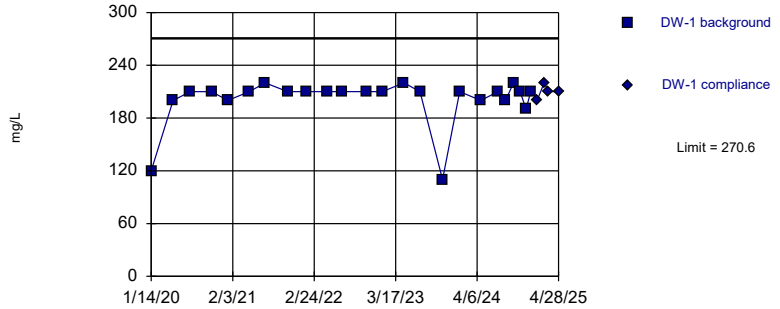
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=200.8, Std. Dev.=27.33, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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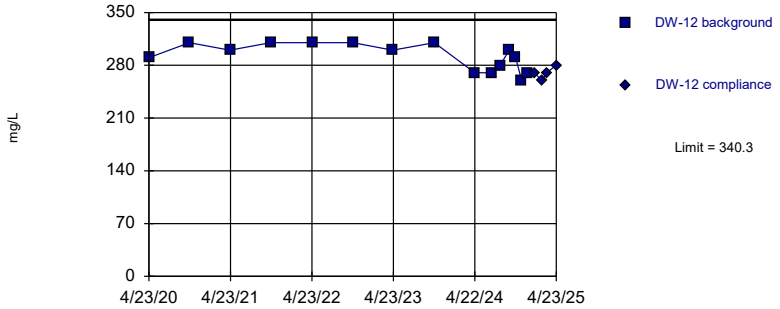
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=292, Std. Dev.=17.81, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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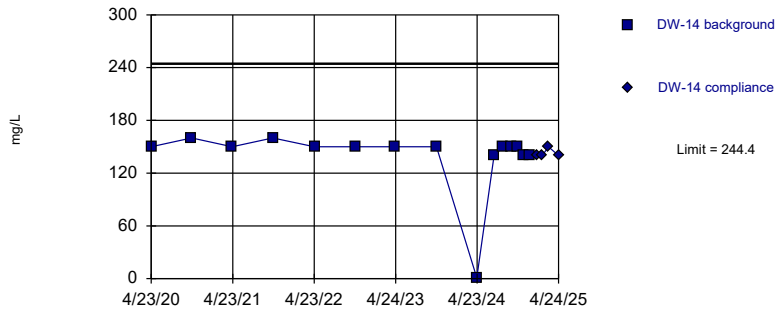
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=139.4, Std. Dev.=38.75, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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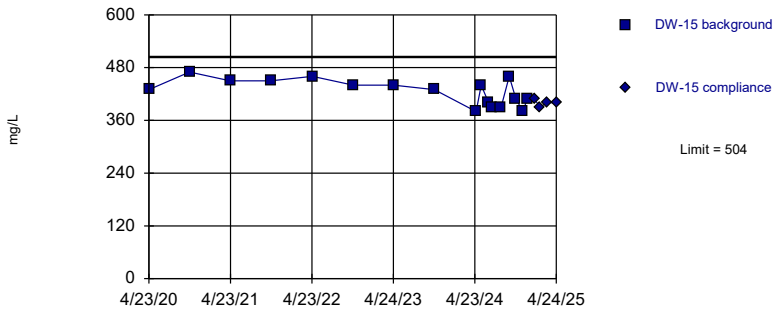
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=425.3, Std. Dev.=29.61, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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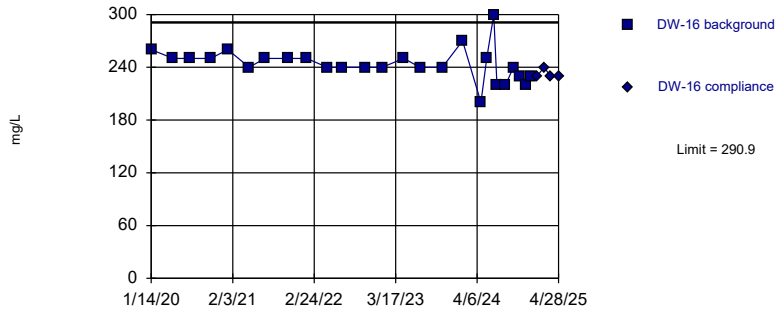
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=243.5, Std. Dev.=18.75, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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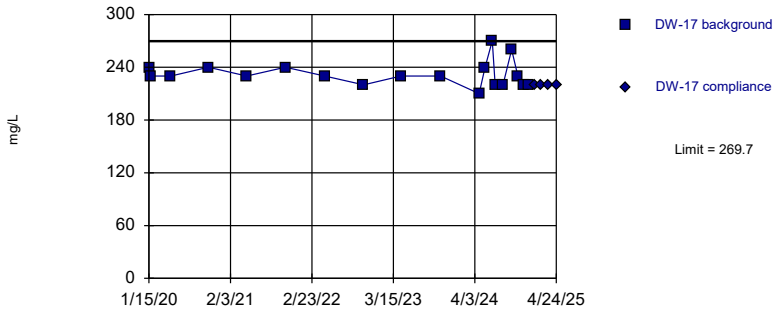
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=232.1, Std. Dev.=14.37, n=19. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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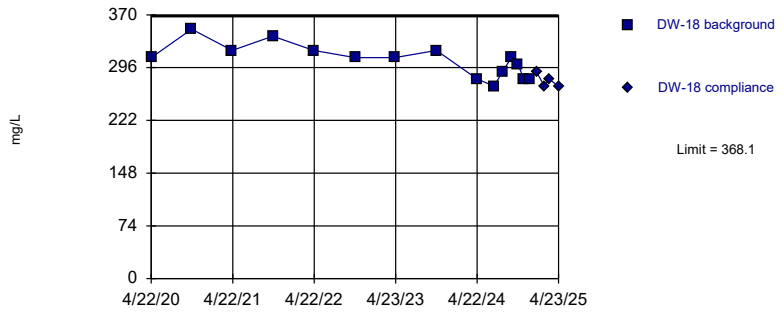
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=306, Std. Dev.=22.93, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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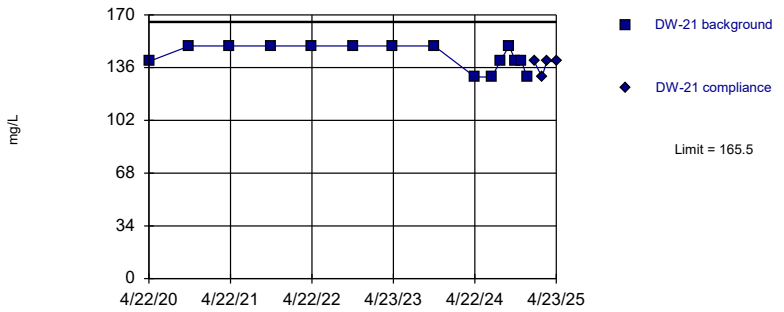
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=143.3, Std. Dev.=8.165, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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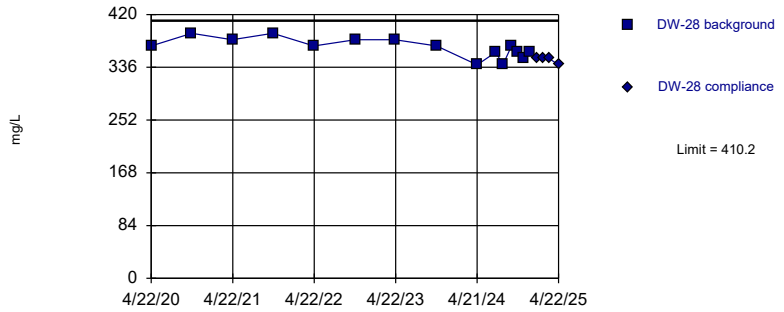
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=367.3, Std. Dev.=15.8, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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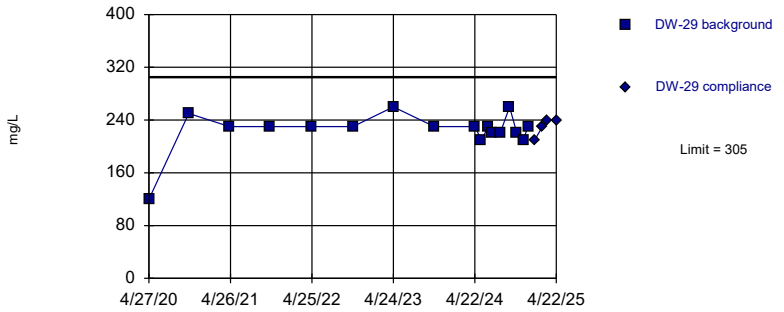
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=224.1, Std. Dev.=30.43, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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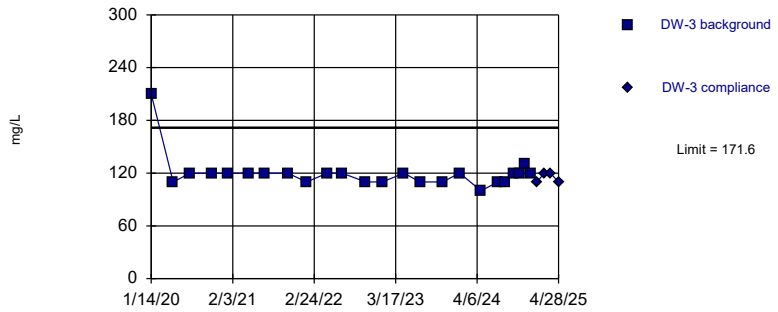
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=120, Std. Dev.=20.22, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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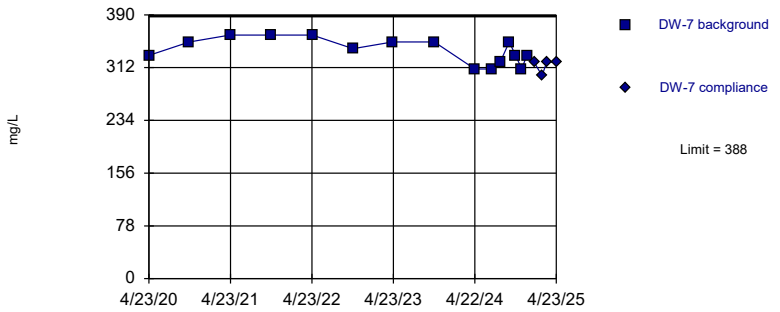
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=337.3, Std. Dev.=18.7, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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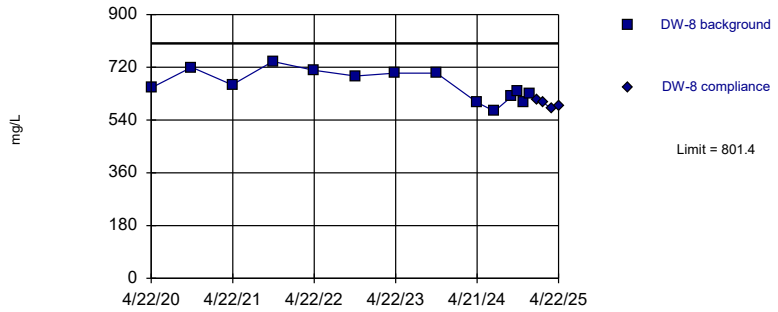
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=659.3, Std. Dev.=51.81, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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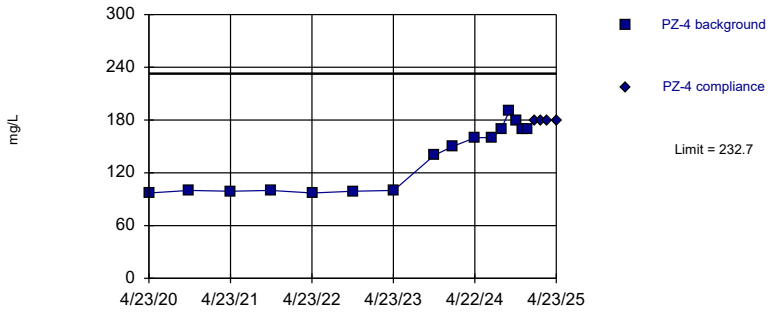
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=136.4, Std. Dev.=35.92, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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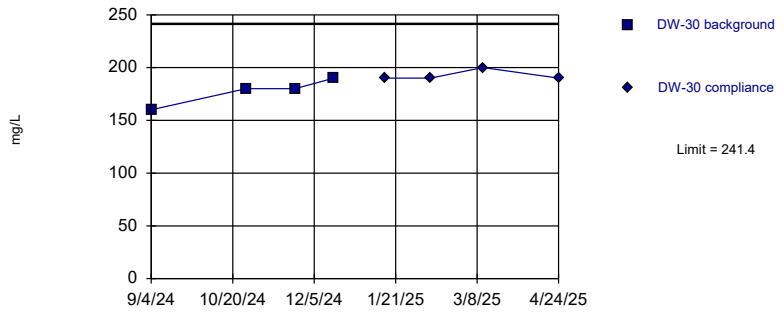
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=177.5, Std. Dev.=12.58, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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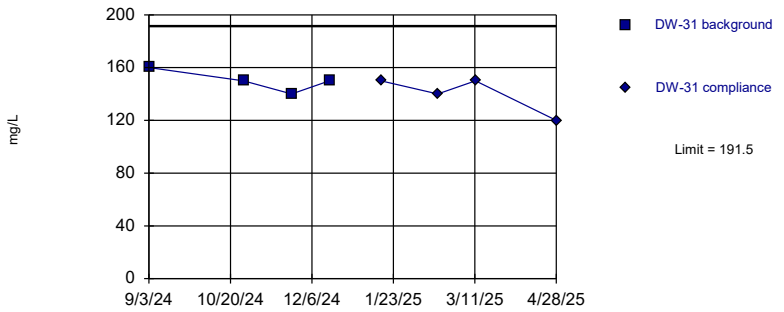
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=150, Std. Dev.=8.165, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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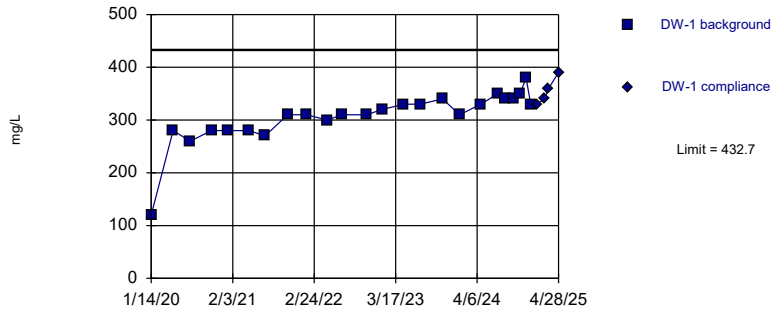
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=306.7, Std. Dev.=49.4, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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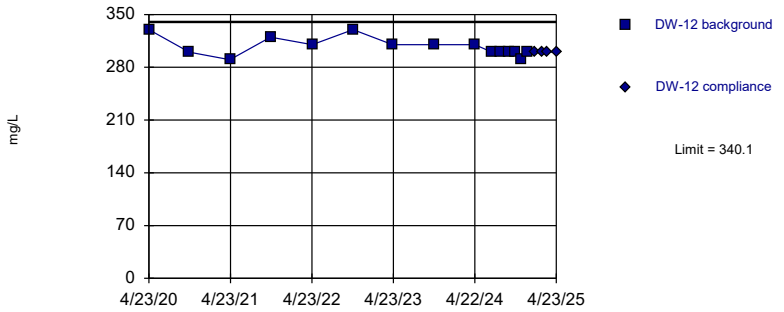
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=306.7, Std. Dev.=12.34, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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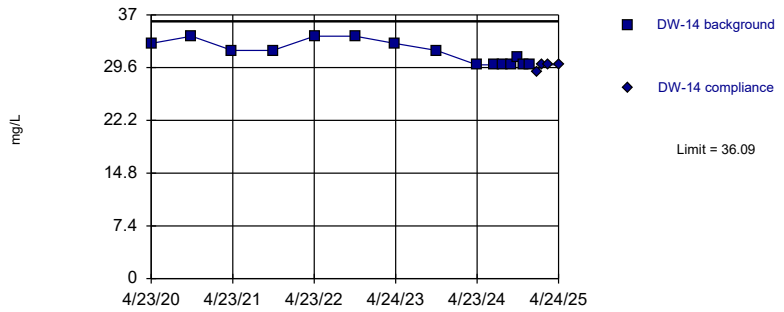
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=31.67, Std. Dev.=1.633, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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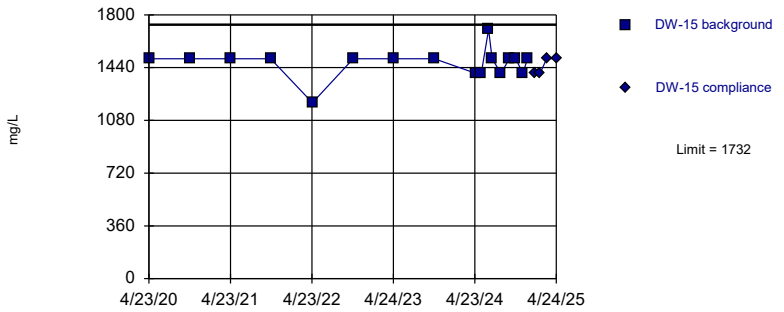
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1471, Std. Dev.=98.52, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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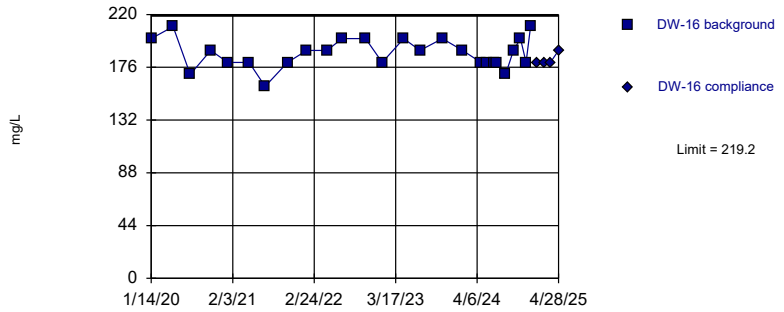
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=187.7, Std. Dev.=12.43, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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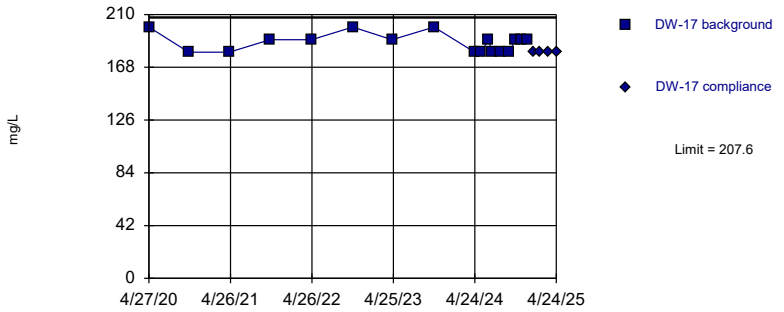
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=187.6, Std. Dev.=7.524, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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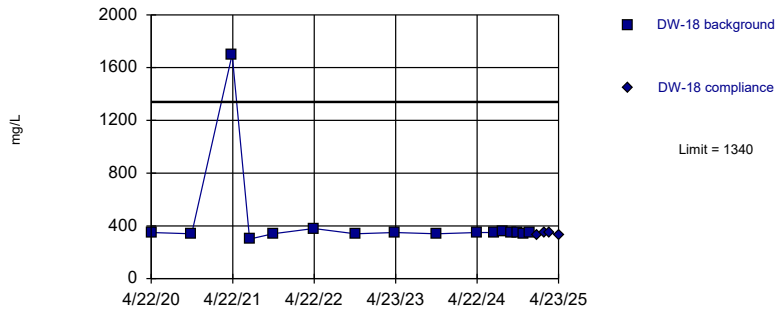
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=430.6, Std. Dev.=338.9, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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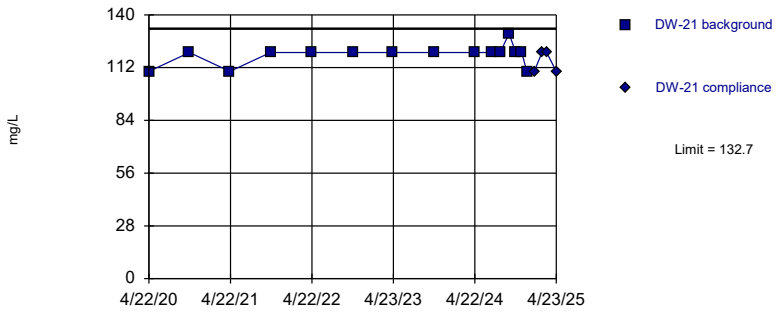
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=118.7, Std. Dev.=5.164, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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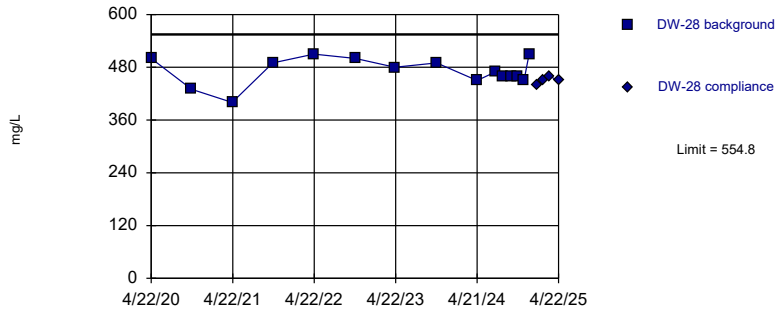
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=470.7, Std. Dev.=31.05, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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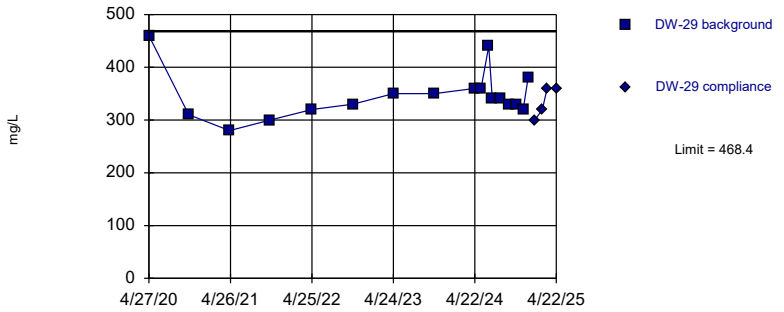
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=347.1, Std. Dev.=45.66, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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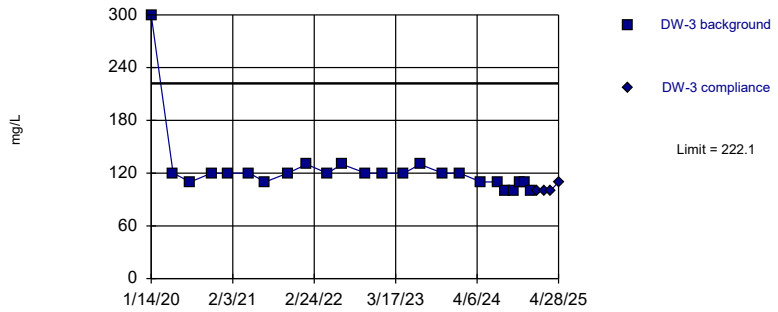
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=123.8, Std. Dev.=38.54, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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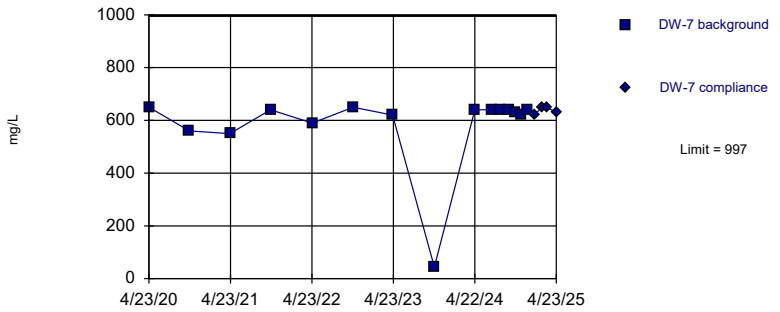
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=583.6, Std. Dev.=152.5, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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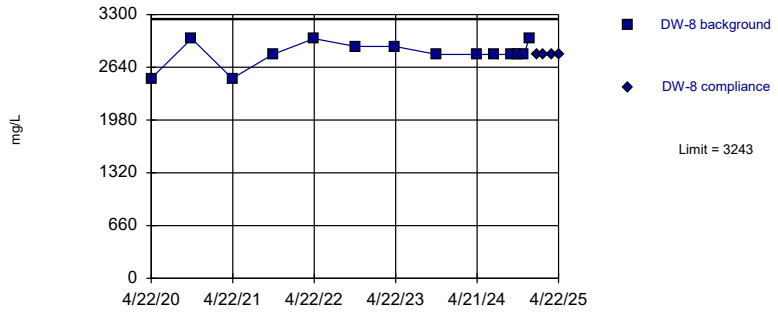
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2814, Std. Dev.=156.2, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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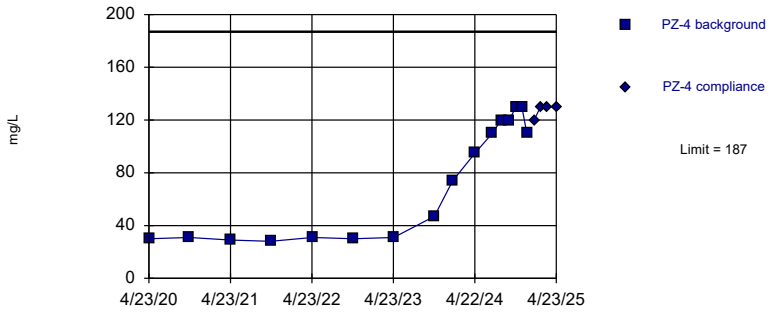
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=71.63, Std. Dev.=43, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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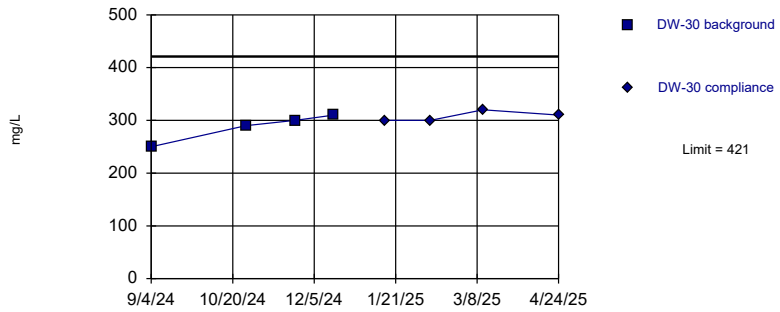
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=287.5, Std. Dev.=26.3, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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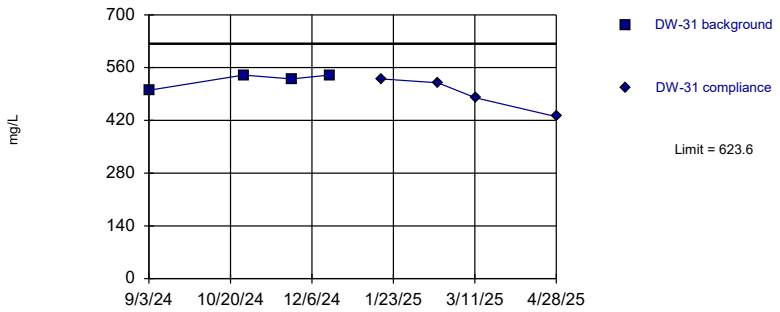
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=527.5, Std. Dev.=18.93, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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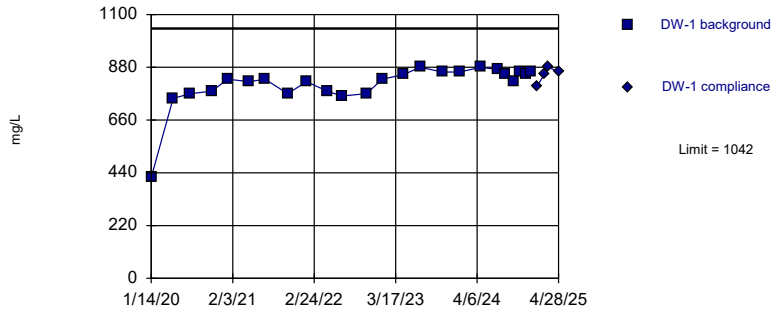
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=807.1, Std. Dev.=91.91, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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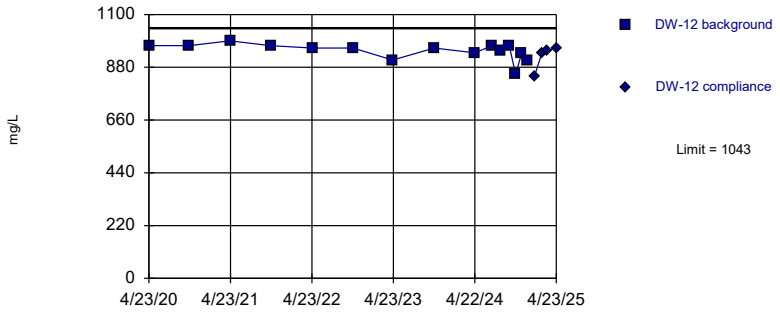
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=948, Std. Dev.=35.09, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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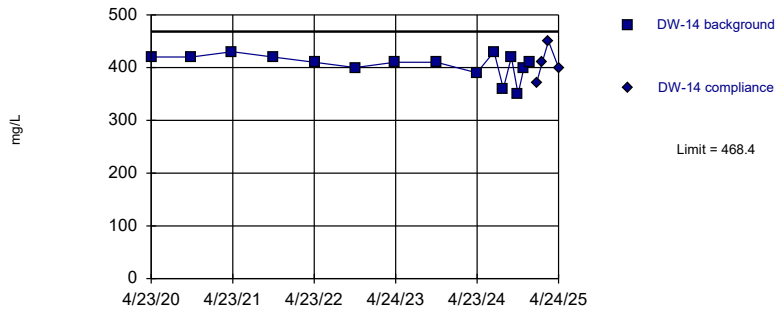
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=405.3, Std. Dev.=23.26, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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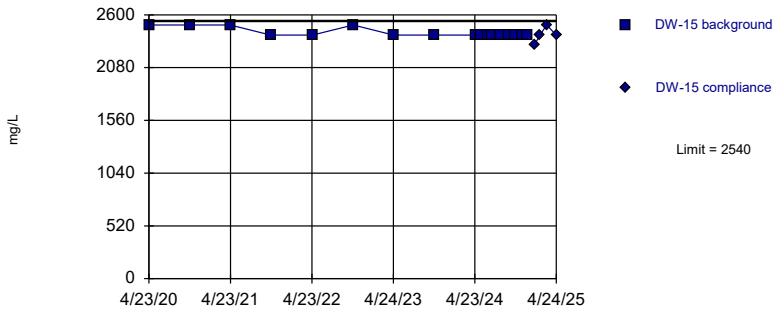
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2424, Std. Dev.=43.72, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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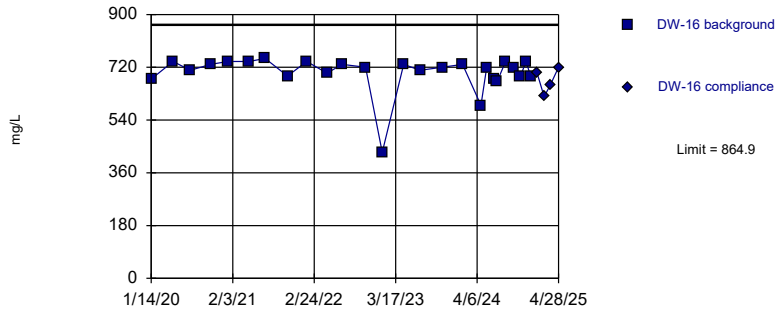
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=701.2, Std. Dev.=64.64, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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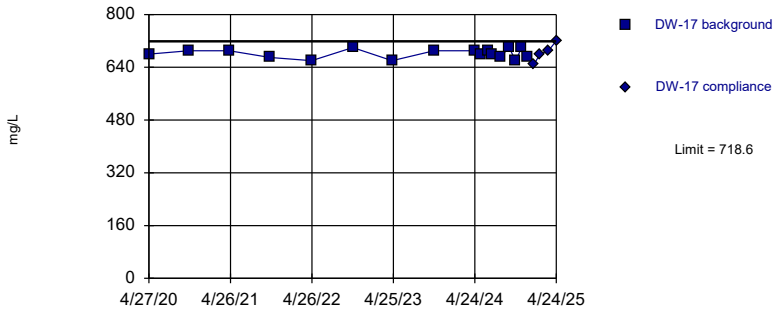
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=681.2, Std. Dev.=14.09, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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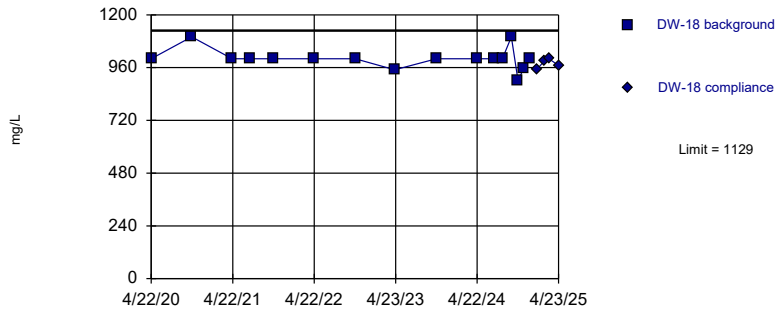
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1001, Std. Dev.=47.68, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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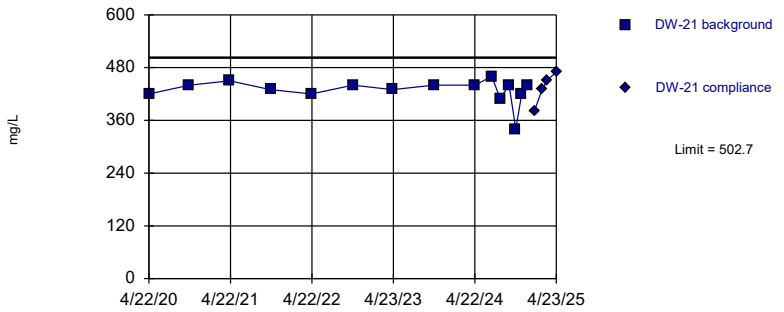
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=428, Std. Dev.=27.57, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

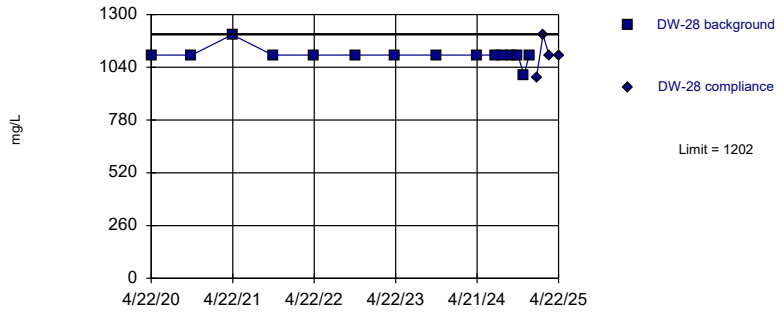
Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1100, Std. Dev.=37.8, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

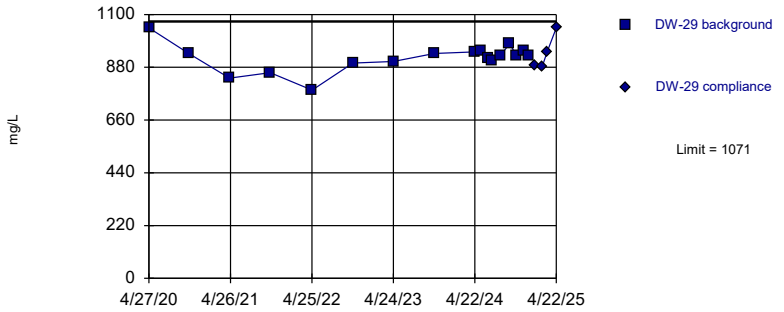
Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=919.2, Std. Dev.=57.19, n=17. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

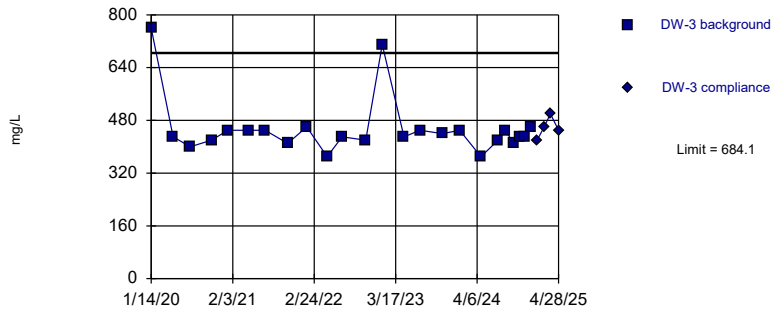
Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=454.2, Std. Dev.=90.12, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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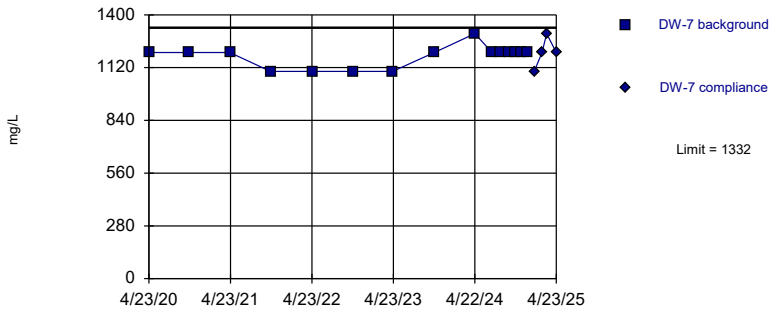
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1180, Std. Dev.=56.06, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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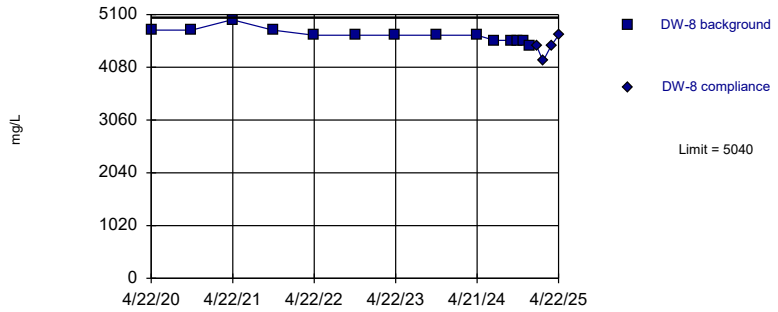
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4700, Std. Dev.=124, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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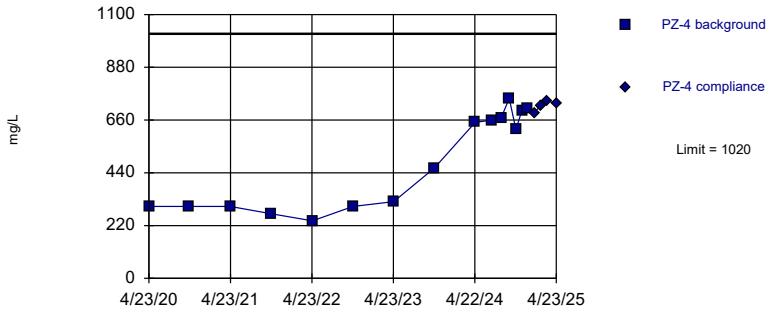
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=483.3, Std. Dev.=197.9, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

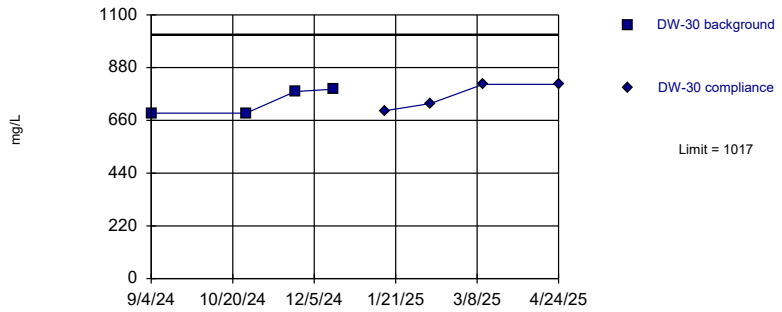
Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=737.5, Std. Dev.=55, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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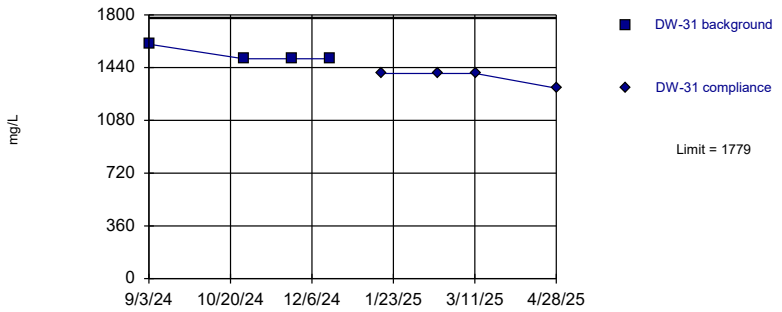
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1525, Std. Dev.=50, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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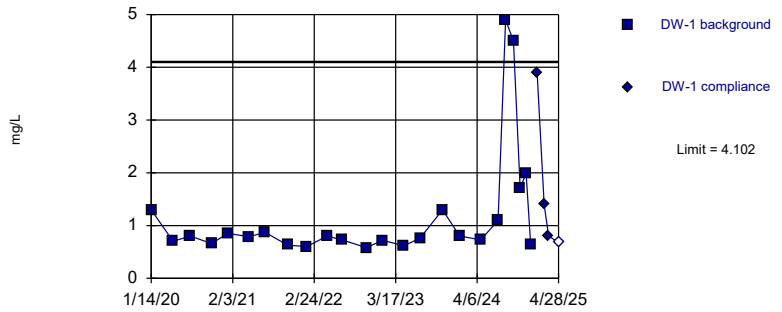
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.211, Std. Dev.=1.133, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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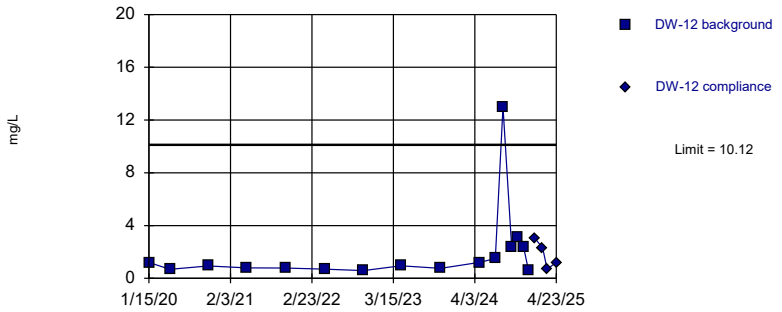
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.975, Std. Dev.=3.034, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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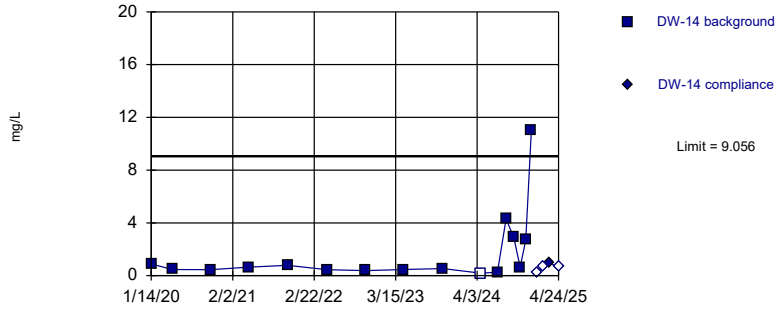
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.69, Std. Dev.=2.746, n=16, 6.25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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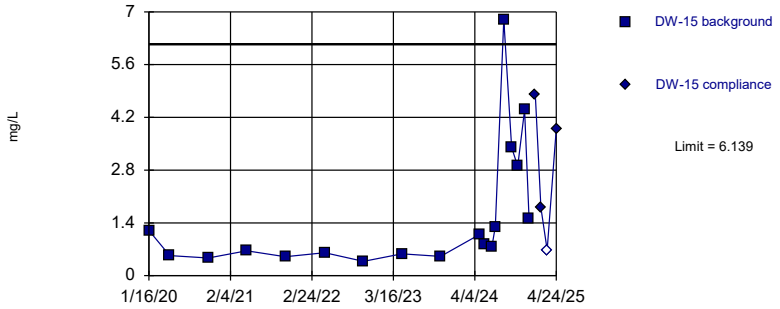
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.58, Std. Dev.=1.729, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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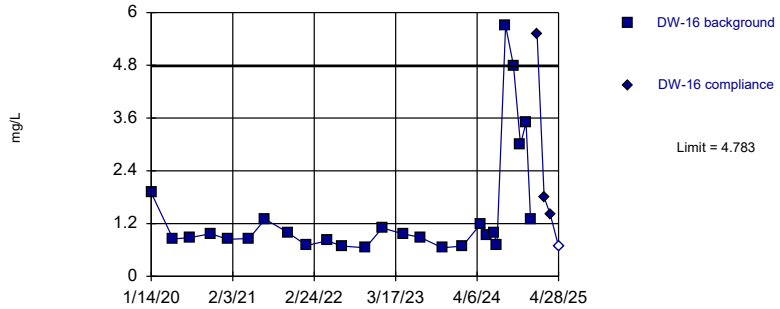
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.457, Std. Dev.=1.314, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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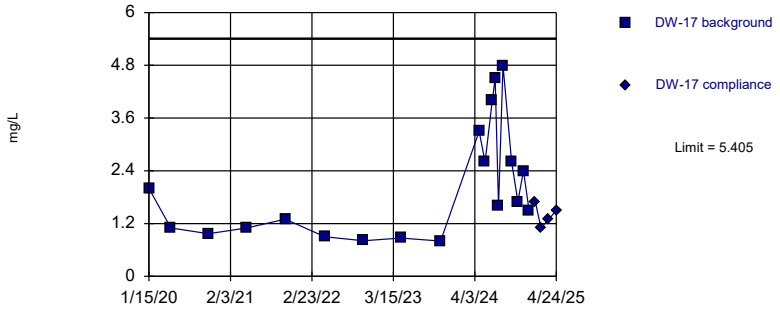
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.045, Std. Dev.=1.283, n=19. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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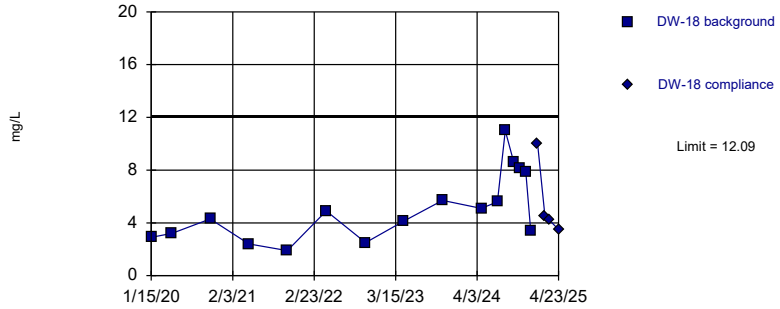
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.1, Std. Dev.=2.605, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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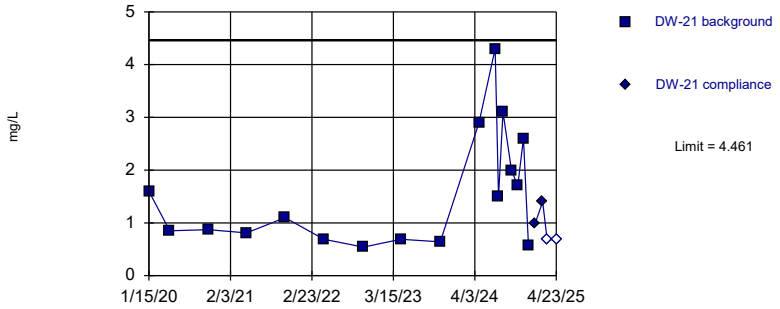
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.557, Std. Dev.=1.092, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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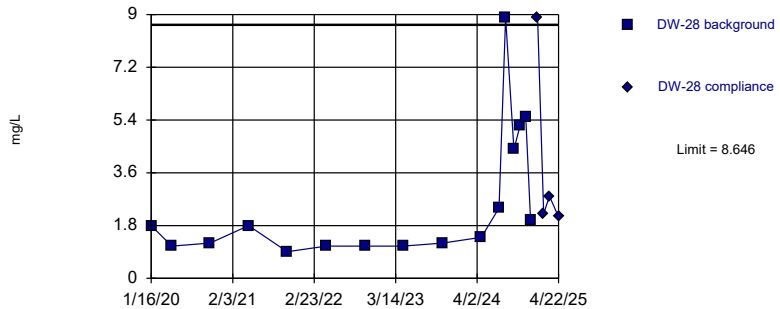
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.569, Std. Dev.=2.265, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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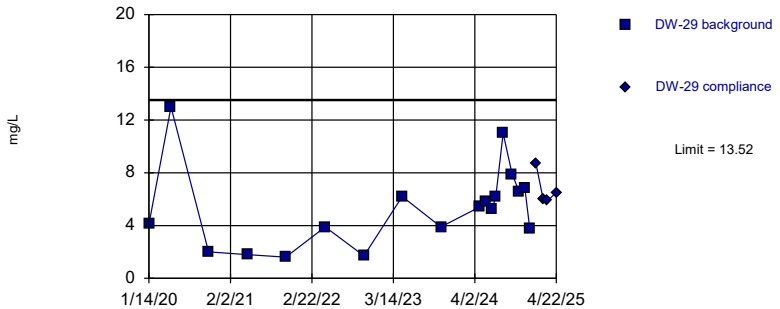
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.389, Std. Dev.=3.083, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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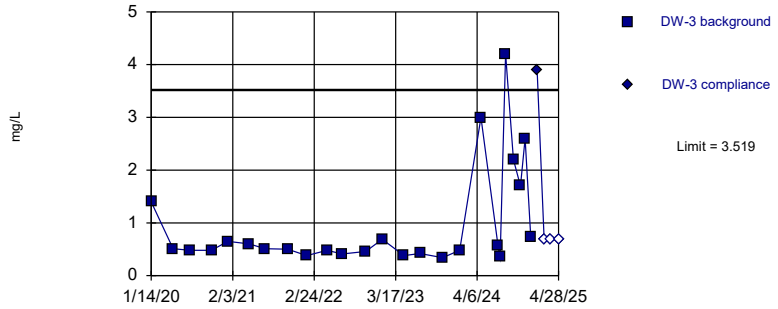
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.9808, Std. Dev.=0.9987, n=25. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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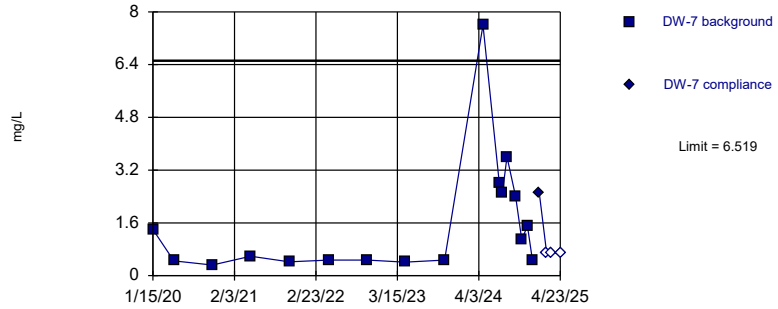
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.586, Std. Dev.=1.855, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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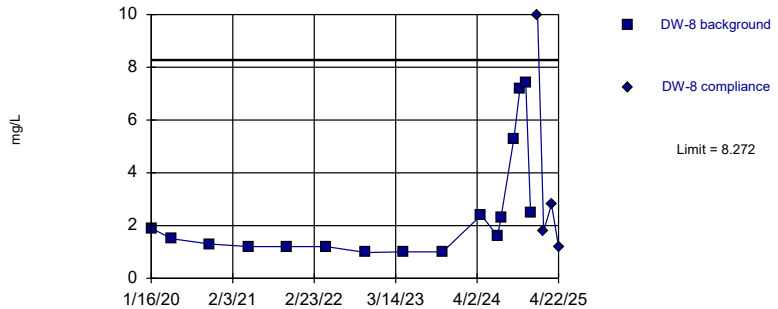
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.499, Std. Dev.=2.152, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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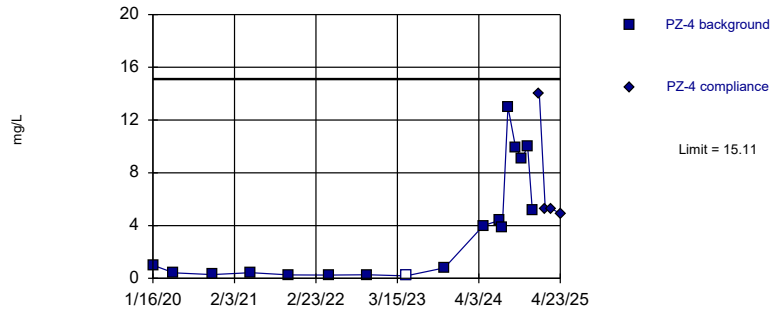
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=3.729, Std. Dev.=4.282, n=17, 5.882% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

APPENDIX D

LABORATORY ANALYTICAL REPORTS

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 523838
Report Level : II
Report Date : 01/27/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	523838 GW MONITORING Chiquita Canyon Landfill 01/13/25

Sample ID	Lab ID	Collected	Matrix
DW-28	523838-001	01/13/25 09:19	Water
DW-8	523838-002	01/13/25 10:38	Water
DW-9	523838-003	01/13/25 11:54	Water
QCFB	523838-004	01/13/25 09:22	Water
QCTB	523838-005	01/13/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 523838 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 01/13/25

This data package contains sample and QC results for five water samples, requested for the above referenced project on 01/13/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recovery was observed for MTBE in the MSD for batch 360199; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- Low surrogate recovery was observed for 1,2-dichloroethane-d4 in the MS for batch 360199; the parent sample was not a project sample.
- 1,2,4-trichlorobenzene was detected between the MDL and the RL in the method blank for batch 360199; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):

- High recovery was observed for total organic carbon in the MS of DW-28 (lab # 523838-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for nitrogen, nitrate and sulfate in the MS/MSD for batch 360189; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

JR12 HRH 2.1.12.3

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 523838

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide	
1	DW-28	1/13/25	919	W	13	var.	X	X	X	X	X	X	X	X	X	
2	DW-8	"	1038	"	"	"	X	X	X	X	X	X	X	X	X	
3	DW-9	"	1154	"	↓	"	X	X	X	X	X	X	X	X	X	
4	QCFB	↓	922	"	3	"	X									
5	QCTB	—	—	↓	2	↓	X									
6																
7																
8																
9																
10																

Analysis Request

Test Instructions / Comments

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	1/13/25 1320
[1] Received By:		Hrag B.	EA-NH	1/13/25 1320
[2] Relinquished By:		Hrag B.	EA-NH	1/13/25 1630
[2] Received By:		Brandon T	EA	1.13.25 1630
[3] Relinquished By:		Brandon T	EA	1.13.25 1700
[3] Received By:		Annalaura Sicilliano	EA	1/13/25 1700

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1/13/25 WO# 523838 Client: Waste Connections

ENTHALPY

Section 2: Shipping / Custody **Are custody seals present?** ☑ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☑ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/13/25 By (initials) Brandon Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR12 CF: +0.2

Cooler Temp (°C) #1: 2.1 / 2.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____ AES 1/13/25

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 1/13/25 **By (print)** AES **(sign)** _____

Date Labeled 1/13/25 **By (print)** Brandon **(sign)** _____

Zach Barker

From: Paul Chang <pchang@changenvironmental.com>
Sent: Friday, January 24, 2025 12:44 PM
To: Zach Barker
Cc: Mark Ellis
Subject: [External] - Re: 523838 - McCampbell Missed CO2 Hold Time

Yes, have them analyzed.

On Fri, Jan 24, 2025, 11:52 AM Zach Barker <Zach.barker@enthalpy.com> wrote:

> Hi Paul,
>
> I regret to inform you that McCampbell advised me this morning that they missed hold time for RSK-175 CO2 for wells DW-28, DW-8 and DW-9. These samples were collected on 1/13 and were at McCampbell by 1/15, meaning they had 5 days of hold time left once received. I've attached their email notification and the sub COC describing the sample date and receipt date at McCampbell.
>
> Please advise if would like me to have them proceed with analysis out of hold time.
>
> I'm sorry about this and the problems it causes on your end. Let me know if you have any questions.
>
> Thanks,
>
> **Zach Barker**
> Project Manager
>
> Enthalpy Analytical
>
> 931 W Barkley Ave. | Orange, CA 92868
>
> Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
>
> zach.barker@enthalpy.com |enthalpy.com
>
> Terms and Conditions

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---------- Forwarded message ----------
From: Jennifer Lagerbom <jennifer@mccampbell.com>
To: Zach Barker <Zach.barker@enthalpy.com>, Tracy Babjar <tracy.babjar@mccampbell.com>
Cc: "alabs-incomingreports@montrose-env.com" <alabs-incomingreports@montrose-env.com>, "Mccampbell Analytical, Inc." <main@mccampbell.com>
Bcc:
Date: Fri, 24 Jan 2025 19:38:47 +0000
Subject: [External] - RE: Status Update for Project: EO-523838 [MAI WO#: 2501781]

Zach

I am following up to see if you still would like this RSK data reported since the hold time was missed. I apologize that we didn't inform you sooner.

Best regards,

Jennifer Lagerbom

Project Manager

McCampbell Analytical Inc.

925.252.9262 ext. 254

From: Tracy Babjar <tracy.babjar@mccampbell.com>
Sent: Thursday, January 23, 2025 6:07 PM
To: zach.barker@enthalpy.com
Cc: incomingreports@enthalpy.com; Mccampbell Analytical, Inc. <main@mccampbell.com>
Subject: Status Update for Project: EO-523838 [MAI WO#: 2501781]

Zach,

We regret to inform you that we are unable to finalize this report today.

Best regards,

Tracy Babjar
McCampbell Analytical, Inc.
1534 Willow Pass Road
Pittsburg, CA 94565
877-252-9262 (toll free)
925-252-9262 (phone) ext.: 275
main@mccampbell.com
www.mccampbell.com
My typical hours are 10:00 AM - 7:00 PM
*Please forward to main@mccampbell.com if a response is needed outside of my listed hours.

****MAI will be closed on Monday, February 17, 2025, in observance of the Presidents' Day Holiday. Please check with us should you have questions about turnaround times &/or testing capabilities during this lab closure.**

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ENTHALPY ANALYTICAL

Analysis Results for 523838

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 523838
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/13/25

Sample ID: DW-28 **Lab ID: 523838-001** **Collected: 01/13/25 09:19**
Matrix: Water

523838-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**1.3**		mg/L	0.20	0.040	1	360189	01/13/25 17:30	01/14/25 00:53	JAA
Chloride	**35**		mg/L	1.0	0.20	1	360189	01/13/25 17:30	01/14/25 00:53	JAA
Bromide	**0.18**	J	mg/L	0.30	0.065	1	360189	01/13/25 17:30	01/14/25 00:53	JAA
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	1	360189	01/13/25 17:30	01/14/25 00:53	JAA
Sulfate	**440**		mg/L	10	3.4	10	360189	01/13/25 17:30	01/14/25 01:13	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360236	01/14/25	01/15/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.3**		mg/L	0.050	0.0062	1	360212	01/14/25	01/14/25	SBW
Calcium	**4.6**		mg/L	0.57	0.57	1	360212	01/14/25	01/14/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360212	01/14/25	01/14/25	SBW
Magnesium	**0.79**		mg/L	0.10	0.025	1	360212	01/14/25	01/14/25	SBW
Manganese	**0.0037**	J	mg/L	0.010	0.0029	1	360212	01/14/25	01/14/25	SBW
Potassium	**0.91**		mg/L	0.50	0.42	1	360212	01/14/25	01/14/25	SBW
Sodium	**350**		mg/L	0.50	0.34	1	360212	01/14/25	01/14/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	360199	01/14/25	01/14/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Bromomethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Chloroethane	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Acetone	ND		ug/L	100	44	1	360199	01/14/25	01/14/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	360199	01/14/25	01/14/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	360199	01/14/25	01/14/25	LYZ
2-Butanone	ND		ug/L	100	2.3	1	360199	01/14/25	01/14/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

523838-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Benzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360199	01/14/25	01/14/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Toluene	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.07	1	360199	01/14/25	01/14/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.1	1	360199	01/14/25	01/14/25	LYZ
o-Xylene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
Styrene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360199	01/14/25	01/14/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360199	01/14/25	01/14/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
Naphthalene	ND		ug/L	5.0	0.5	1	360199	01/14/25	01/14/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360199	01/14/25	01/14/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360199	01/14/25	01/14/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	360199	01/14/25	01/14/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	105%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

523838-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	90%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ
Toluene-d8	98%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ
Bromofluorobenzene	104%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360225	01/14/25	01/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	360225	01/14/25	01/14/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360364	01/15/25	01/15/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**8.9**		mg/L	1.0	0.24	1	360350	01/15/25	01/15/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**230**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**280**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**990**		mg/L	20		2	360271	01/15/25	01/17/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

Sample ID: DW-8	Lab ID: 523838-002	Collected: 01/13/25 10:38
	Matrix: Water	

523838-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.18**	J	mg/L	0.20	0.040	1	360189	01/13/25 17:30	01/14/25 01:34	JAA
Chloride	**67**		mg/L	1.0	0.20	1	360189	01/13/25 17:30	01/14/25 01:34	JAA
Bromide	**0.19**	J	mg/L	0.30	0.065	1	360189	01/13/25 17:30	01/14/25 01:34	JAA
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	1	360189	01/13/25 17:30	01/14/25 01:34	JAA
Sulfate	**2,800**		mg/L	50	17	50	360189	01/13/25 17:30	01/14/25 01:55	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**1.1**		mg/L	0.10	0.050	1	360236	01/14/25	01/15/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**2.0**	J	mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.0**		mg/L	0.050	0.0062	1	360212	01/14/25	01/14/25	SBW
Calcium	**350**		mg/L	0.57	0.57	1	360212	01/14/25	01/14/25	SBW
Iron	**4.9**		mg/L	0.041	0.041	1	360212	01/14/25	01/14/25	SBW
Magnesium	**200**		mg/L	0.10	0.025	1	360212	01/14/25	01/14/25	SBW
Manganese	**0.065**		mg/L	0.010	0.0029	1	360212	01/14/25	01/14/25	SBW
Potassium	**6.4**		mg/L	0.50	0.42	1	360212	01/14/25	01/14/25	SBW
Sodium	**610**		mg/L	0.50	0.34	1	360212	01/14/25	01/14/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	360199	01/14/25	01/14/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Bromomethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Chloroethane	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Acetone	ND		ug/L	100	44	1	360199	01/14/25	01/14/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	360199	01/14/25	01/14/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	360199	01/14/25	01/14/25	LYZ
2-Butanone	ND		ug/L	100	2.3	1	360199	01/14/25	01/14/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

523838-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360199	01/14/25	01/14/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Toluene	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.07	1	360199	01/14/25	01/14/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.1	1	360199	01/14/25	01/14/25	LYZ
o-Xylene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
Styrene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360199	01/14/25	01/14/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360199	01/14/25	01/14/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360199	01/14/25	01/14/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360199	01/14/25	01/14/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360199	01/14/25	01/14/25	LYZ
Naphthalene	ND		ug/L	5.0	0.5	1	360199	01/14/25	01/14/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360199	01/14/25	01/14/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360199	01/14/25	01/14/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360199	01/14/25	01/14/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	360199	01/14/25	01/14/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ
1,2-Dichloroethane-d4	89%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ
Toluene-d8	100%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ
Bromofluorobenzene	104%		%REC	70-130		1	360199	01/14/25	01/14/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 523838

523838-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360225	01/14/25	01/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	360225	01/14/25	01/14/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360364	01/15/25	01/15/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**10**		mg/L	1.0	0.24	1	360350	01/15/25	01/15/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**470**		mg/L	10		5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**470**		mg/L	10		5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,500**		mg/L	20		2	360271	01/15/25	01/17/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

Sample ID: DW-9	Lab ID: 523838-003	Collected: 01/13/25 11:54
	Matrix: Water	

523838-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**2.1**		mg/L	0.20	0.040	1	360189	01/13/25 17:30	01/14/25 02:16	JAA
Chloride	**82**		mg/L	1.0	0.20	1	360189	01/13/25 17:30	01/14/25 02:16	JAA
Bromide	**0.27**	J	mg/L	0.30	0.065	1	360189	01/13/25 17:30	01/14/25 02:16	JAA
Nitrogen, Nitrate	**1.9**		mg/L	0.10	0.06	1	360189	01/13/25 17:30	01/14/25 02:16	JAA
Sulfate	**670**		mg/L	10	3.4	10	360189	01/13/25 17:30	01/14/25 02:37	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360236	01/14/25	01/15/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**2.0**	J	mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.61**		mg/L	0.050	0.0062	1	360212	01/14/25	01/14/25	SBW
Calcium	**21**		mg/L	0.57	0.57	1	360212	01/14/25	01/14/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360212	01/14/25	01/14/25	SBW
Magnesium	**2.2**		mg/L	0.10	0.025	1	360212	01/14/25	01/14/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	360212	01/14/25	01/14/25	SBW
Potassium	**1.4**		mg/L	0.50	0.42	1	360212	01/14/25	01/14/25	SBW
Sodium	**380**		mg/L	0.50	0.34	1	360212	01/14/25	01/14/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360206	01/14/25	01/14/25	TCN
Freon 12	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Chloromethane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromomethane	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
Chloroethane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Acetone	ND		ug/L	100	21	1	360206	01/14/25	01/14/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Methylene Chloride	ND		ug/L	5.0	2.4	1	360206	01/14/25	01/14/25	TCN
MTBE	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
2-Butanone	ND		ug/L	100	1.7	1	360206	01/14/25	01/14/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Chloroform	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

523838-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Trichloroethene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360206	01/14/25	01/14/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360206	01/14/25	01/14/25	TCN
Toluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360206	01/14/25	01/14/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	360206	01/14/25	01/14/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Styrene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Propylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Xylene (total)	ND		ug/L	5.0		1	360206	01/14/25	01/14/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
1,2-Dichloroethane-d4	96%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
Toluene-d8	98%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
Bromofluorobenzene	102%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 523838

523838-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360225	01/14/25	01/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	105%		%REC	80-120		1	360225	01/14/25	01/14/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360364	01/15/25	01/15/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.3**		mg/L	1.0	0.24	1	360350	01/15/25	01/15/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**240**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**240**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	360271	01/15/25	01/17/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 523838

Sample ID: QCFB	Lab ID: 523838-004	Collected: 01/13/25 09:22
	Matrix: Water	

523838-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360206	01/14/25	01/14/25	TCN
Freon 12	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Chloromethane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromomethane	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
Chloroethane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Acetone	ND		ug/L	100	21	1	360206	01/14/25	01/14/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Methylene Chloride	ND		ug/L	5.0	2.4	1	360206	01/14/25	01/14/25	TCN
MTBE	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
2-Butanone	ND		ug/L	100	1.7	1	360206	01/14/25	01/14/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Trichloroethene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360206	01/14/25	01/14/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360206	01/14/25	01/14/25	TCN
Toluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360206	01/14/25	01/14/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	360206	01/14/25	01/14/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Styrene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

523838-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Propylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Xylene (total)	ND		ug/L	5.0		1	360206	01/14/25	01/14/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
1,2-Dichloroethane-d4	97%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
Toluene-d8	97%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
Bromofluorobenzene	101%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523838

Sample ID: QCTB	Lab ID: 523838-005	Collected: 01/13/25
	Matrix: Water	

523838-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360206	01/14/25	01/14/25	TCN
Freon 12	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Chloromethane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromomethane	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
Chloroethane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Acetone	ND		ug/L	100	21	1	360206	01/14/25	01/14/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Methylene Chloride	ND		ug/L	5.0	2.4	1	360206	01/14/25	01/14/25	TCN
MTBE	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
2-Butanone	ND		ug/L	100	1.7	1	360206	01/14/25	01/14/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Trichloroethene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360206	01/14/25	01/14/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360206	01/14/25	01/14/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360206	01/14/25	01/14/25	TCN
Toluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360206	01/14/25	01/14/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.09	1	360206	01/14/25	01/14/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	360206	01/14/25	01/14/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Styrene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 523838

523838-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Propylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360206	01/14/25	01/14/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360206	01/14/25	01/14/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360206	01/14/25	01/14/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360206	01/14/25	01/14/25	TCN
Xylene (total)	ND		ug/L	5.0		1	360206	01/14/25	01/14/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
1,2-Dichloroethane-d4	99%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
Toluene-d8	97%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN
Bromofluorobenzene	101%		%REC	70-130		1	360206	01/14/25	01/14/25	TCN

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1219583**	**Batch:**	**360189**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1219583 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.040	01/13/25 17:30	01/13/25 19:18
Chloride	ND		mg/L	1.0	0.20	01/13/25 17:30	01/13/25 19:18
Bromide	ND		mg/L	0.30	0.065	01/13/25 17:30	01/13/25 19:18
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	01/13/25 17:30	01/13/25 19:18
Sulfate	ND		mg/L	1.0	0.34	01/13/25 17:30	01/13/25 19:18

Type:	**Lab Control Sample**	**Lab ID:**	**QC1219584**	**Batch:**	**360189**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1219584 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.516	10.00	mg/L	95%		90-110
Chloride	47.42	50.00	mg/L	95%		90-110
Bromide	14.84	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.438	4.518	mg/L	98%		90-110
Sulfate	24.43	25.00	mg/L	98%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1219585**	**Batch:**	**360189**
Matrix (Source ID):	**Water (523855-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1219585 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.72	0.06396	20.00	mg/L	98%		80-120	1
Chloride	474.6	447.0	100.0	mg/L	28%	E,NM	80-120	1
Bromide	15.99	1.331	15.00	mg/L	98%		80-120	1
Nitrogen, Nitrate	19.87	11.56	9.036	mg/L	92%	E	80-120	1
Sulfate	147.8	104.7	50.00	mg/L	86%	E	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1219586**	**Batch:**	**360189**
Matrix (Source ID):	**Water (523855-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1219586 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.75	0.06396	20.00	mg/L	98%		80-120	0	20	1
Chloride	475.7	447.0	100.0	mg/L	29%	E,NM	80-120		20	1
Bromide	16.41	1.331	15.00	mg/L	100%		80-120	3	20	1
Nitrogen, Nitrate	20.07	11.56	9.036	mg/L	94%	E	80-120		20	1
Sulfate	151.4	104.7	50.00	mg/L	93%	E	80-120		20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1219739**	**Batch:**	**360236**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1219739 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9923	1.000	mg/L	99%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1219740** **Batch: 360236**
Matrix: Water **Method: EPA 350.1** **Prep Method: METHOD**

QC1219740 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	01/14/25	01/15/25

Type: Matrix Spike **Lab ID: QC1219741** **Batch: 360236**
Matrix (Source ID): Water (523840-005) **Method: EPA 350.1** **Prep Method: METHOD**

QC1219741 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9678	ND	1.000	mg/L	97%		90-110	1

Type: Matrix Spike Duplicate **Lab ID: QC1219742** **Batch: 360236**
Matrix (Source ID): Water (523840-005) **Method: EPA 350.1** **Prep Method: METHOD**

QC1219742 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.055	ND	1.000	mg/L	105%		90-110	9	20	1

Type: Blank **Lab ID: QC1220518** **Batch: 360490**
Matrix: Water **Method: EPA 410.4** **Prep Method: METHOD**

QC1220518 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	01/16/25	01/16/25

Type: Lab Control Sample **Lab ID: QC1220519** **Batch: 360490**
Matrix: Water **Method: EPA 410.4** **Prep Method: METHOD**

QC1220519 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	104.0	100.0	mg/L	104%		90-110

Type: Matrix Spike **Lab ID: QC1220520** **Batch: 360490**
Matrix (Source ID): Water (523838-001) **Method: EPA 410.4** **Prep Method: METHOD**

QC1220520 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	105%		77-120	2

Type: Matrix Spike Duplicate **Lab ID: QC1220521** **Batch: 360490**
Matrix (Source ID): Water (523838-001) **Method: EPA 410.4** **Prep Method: METHOD**

QC1220521 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	108.0	ND	100.0	mg/L	107%		77-120	2	20	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1219647**	**Batch: 360212**
Matrix: Water	**Method: EPA 6010B**	**Prep Method: EPA 3015A**

QC1219647 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	01/14/25	01/14/25
Calcium	ND		mg/L	0.57	0.57	01/14/25	01/14/25
Iron	ND		mg/L	0.041	0.041	01/14/25	01/14/25
Magnesium	ND		mg/L	0.10	0.025	01/14/25	01/14/25
Manganese	ND		mg/L	0.010	0.0029	01/14/25	01/14/25
Potassium	ND		mg/L	0.50	0.42	01/14/25	01/14/25
Sodium	ND		mg/L	0.50	0.34	01/14/25	01/14/25

Type: Lab Control Sample	**Lab ID: QC1219648**	**Batch: 360212**
Matrix: Water	**Method: EPA 6010B**	**Prep Method: EPA 3015A**

QC1219648 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3410	0.4000	mg/L	85%		80-120
Calcium	18.56	20.40	mg/L	91%		80-120
Iron	0.3515	0.4000	mg/L	88%		80-120
Magnesium	18.63	20.40	mg/L	91%		80-120
Manganese	0.3574	0.4000	mg/L	89%		80-120
Potassium	21.28	24.00	mg/L	89%		80-120
Sodium	18.18	20.40	mg/L	89%		80-120

Type: Matrix Spike	**Lab ID: QC1219653**	**Batch: 360212**
Matrix (Source ID): Water (523838-001)	**Method: EPA 6010B**	**Prep Method: EPA 3015A**

QC1219653 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.679	1.336	0.4000	mg/L	86%		75-125	1
Calcium	22.72	4.607	20.40	mg/L	89%		75-125	1
Iron	0.3548	ND	0.4000	mg/L	89%		75-125	1
Magnesium	18.99	0.7880	20.40	mg/L	89%		75-125	1
Manganese	0.3784	0.003707	0.4000	mg/L	94%		75-125	1
Potassium	22.44	0.9066	24.00	mg/L	90%		75-125	1
Sodium	361.1	347.9	20.40	mg/L	65%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1219654**	**Batch:**	**360212**
Matrix (Source ID):	**Water (523838-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1219654 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.680	1.336	0.4000	mg/L	86%		75-125	0	20	1
Calcium	23.05	4.607	20.40	mg/L	90%		75-125	1	20	1
Iron	0.3654	ND	0.4000	mg/L	91%		75-125	3	20	1
Magnesium	19.33	0.7880	20.40	mg/L	91%		75-125	2	20	1
Manganese	0.3601	0.003707	0.4000	mg/L	89%		75-125	5	20	1
Potassium	22.86	0.9066	24.00	mg/L	91%		75-125	2	20	1
Sodium	360.4	347.9	20.40	mg/L	62%	NM	75-125	0	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1219599**	**Batch:**	**360199**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1219599 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.25	50.00	ug/L	87%		70-135
MTBE	41.98	50.00	ug/L	84%		70-130
Benzene	48.88	50.00	ug/L	98%		70-130
Trichloroethene	53.51	50.00	ug/L	107%		70-130
Toluene	49.89	50.00	ug/L	100%		70-130
Chlorobenzene	50.50	50.00	ug/L	101%		70-130
Surrogates						
Dibromofluoromethane	49.07	50.00	ug/L	98%		70-130
1,2-Dichloroethane-d4	42.42	50.00	ug/L	85%		70-130
Toluene-d8	50.42	50.00	ug/L	101%		70-130
Bromofluorobenzene	51.44	50.00	ug/L	103%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1219600**	**Batch:**	**360199**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1219600 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	38.68	50.00	ug/L	77%		70-135	11	30
MTBE	36.21	50.00	ug/L	72%		70-130	15	30
Benzene	44.37	50.00	ug/L	89%		70-130	10	30
Trichloroethene	49.52	50.00	ug/L	99%		70-130	8	30
Toluene	45.66	50.00	ug/L	91%		70-130	9	30
Chlorobenzene	46.20	50.00	ug/L	92%		70-130	9	30
Surrogates								
Dibromofluoromethane	48.26	50.00	ug/L	97%		70-130		
1,2-Dichloroethane-d4	39.80	50.00	ug/L	80%		70-130		
Toluene-d8	51.01	50.00	ug/L	102%		70-130		
Bromofluorobenzene	51.09	50.00	ug/L	102%		70-130		

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Batch QC

Type: Blank	**Lab ID:** QC1219601	**Batch:** 360199	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1219601 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	01/14/25	01/14/25
Freon 12	ND		ug/L	5.0	0.3	01/14/25	01/14/25
Chloromethane	ND		ug/L	5.0	0.4	01/14/25	01/14/25
Vinyl Chloride	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Bromomethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Chloroethane	ND		ug/L	5.0	0.3	01/14/25	01/14/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Acetone	ND		ug/L	100	44	01/14/25	01/14/25
Freon 113	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Methylene Chloride	ND		ug/L	5.0	3.5	01/14/25	01/14/25
MTBE	ND		ug/L	5.0	0.1	01/14/25	01/14/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	01/14/25	01/14/25
2-Butanone	ND		ug/L	100	2.3	01/14/25	01/14/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Chloroform	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Bromochloromethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Benzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Trichloroethene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Bromodichloromethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Dibromomethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	01/14/25	01/14/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Toluene	ND		ug/L	5.0	0.3	01/14/25	01/14/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Tetrachloroethene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Dibromochloromethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Chlorobenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Ethylbenzene	ND		ug/L	5.0	0.07	01/14/25	01/14/25
m,p-Xylenes	ND		ug/L	10	0.1	01/14/25	01/14/25
o-Xylene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
Styrene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Bromoform	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Isopropylbenzene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	01/14/25	01/14/25

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Batch QC

QC1219601 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
Bromobenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	01/14/25	01/14/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
n-Butylbenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	01/14/25	01/14/25
1,2,4-Trichlorobenzene	0.3	J	ug/L	5.0	0.2	01/14/25	01/14/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
Naphthalene	ND		ug/L	5.0	0.5	01/14/25	01/14/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	01/14/25	01/14/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	01/14/25	01/14/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	01/14/25	01/14/25
Xylene (total)	ND		ug/L	5.0		01/14/25	01/14/25
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		01/14/25	01/14/25
1,2-Dichloroethane-d4	85%		%REC	70-130		01/14/25	01/14/25
Toluene-d8	101%		%REC	70-130		01/14/25	01/14/25
Bromofluorobenzene	105%		%REC	70-130		01/14/25	01/14/25

Type: Matrix Spike **Lab ID:** QC1219602 **Batch:** 360199
Matrix (Source ID): Water (523842-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1219602 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	42.99	0.5942	50.00	ug/L	85%		70-130	1
MTBE	42.10	ND	50.00	ug/L	84%		75-130	1
Benzene	44.20	ND	50.00	ug/L	88%		70-130	1
Trichloroethene	842.1	887.4	50.00	ug/L	-91%	E,NM	63-130	1
Toluene	53.27	ND	50.00	ug/L	107%		70-130	1
Chlorobenzene	54.49	ND	50.00	ug/L	109%		70-130	1
Surrogates								
Dibromofluoromethane	41.54		50.00	ug/L	83%		70-130	1
1,2-Dichloroethane-d4	34.75		50.00	ug/L	69%	*	70-130	1
Toluene-d8	49.98		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	51.83		50.00	ug/L	104%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1219603	Batch:	360199
Matrix (Source ID):	Water (523842-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1219603 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	38.34	0.5942	50.00	ug/L	75%		70-130	11	30	1
MTBE	36.13	ND	50.00	ug/L	72%	*	75-130	15	30	1
Benzene	46.95	ND	50.00	ug/L	94%		70-130	6	30	1
Trichloroethene	710.4	887.4	50.00	ug/L	-354%	E,NM	63-130		30	1
Toluene	46.46	ND	50.00	ug/L	93%		70-130	14	30	1
Chlorobenzene	47.50	ND	50.00	ug/L	95%		70-130	14	30	1
Surrogates										
Dibromofluoromethane	49.36		50.00	ug/L	99%		70-130			1
1,2-Dichloroethane-d4	41.94		50.00	ug/L	84%		70-130			1
Toluene-d8	49.54		50.00	ug/L	99%		70-130			1
Bromofluorobenzene	50.47		50.00	ug/L	101%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1219624	Batch:	360206
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1219624 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.01	50.00	ug/L	98%		70-135
MTBE	45.85	50.00	ug/L	92%		70-130
Benzene	48.21	50.00	ug/L	96%		70-130
Trichloroethene	52.61	50.00	ug/L	105%		70-130
Toluene	48.52	50.00	ug/L	97%		70-130
Chlorobenzene	48.40	50.00	ug/L	97%		70-130
Surrogates						
Dibromofluoromethane	51.35	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	47.37	50.00	ug/L	95%		70-130
Toluene-d8	50.18	50.00	ug/L	100%		70-130
Bromofluorobenzene	52.02	50.00	ug/L	104%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1219625	Batch:	360206
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1219625 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.89	50.00	ug/L	98%		70-135	0	30
MTBE	47.48	50.00	ug/L	95%		70-130	4	30
Benzene	48.31	50.00	ug/L	97%		70-130	0	30
Trichloroethene	51.61	50.00	ug/L	103%		70-130	2	30
Toluene	48.36	50.00	ug/L	97%		70-130	0	30
Chlorobenzene	47.97	50.00	ug/L	96%		70-130	1	30
Surrogates								
Dibromofluoromethane	51.19	50.00	ug/L	102%		70-130		
1,2-Dichloroethane-d4	47.36	50.00	ug/L	95%		70-130		
Toluene-d8	49.73	50.00	ug/L	99%		70-130		
Bromofluorobenzene	51.61	50.00	ug/L	103%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1219629**	**Batch:**	**360206**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1219629 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	01/14/25	01/14/25
Freon 12	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Chloromethane	ND		ug/L	5.0	0.3	01/14/25	01/14/25
Vinyl Chloride	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Bromomethane	ND		ug/L	5.0	0.4	01/14/25	01/14/25
Chloroethane	ND		ug/L	5.0	0.3	01/14/25	01/14/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	01/14/25	01/14/25
Acetone	ND		ug/L	100	21	01/14/25	01/14/25
Freon 113	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	01/14/25	01/14/25
Methylene Chloride	ND		ug/L	5.0	2.4	01/14/25	01/14/25
MTBE	ND		ug/L	5.0	0.09	01/14/25	01/14/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	01/14/25	01/14/25
2-Butanone	ND		ug/L	100	1.7	01/14/25	01/14/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Chloroform	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Bromochloromethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	01/14/25	01/14/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Benzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Trichloroethene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Bromodichloromethane	ND		ug/L	5.0	0.08	01/14/25	01/14/25
Dibromomethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	01/14/25	01/14/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	01/14/25	01/14/25
Toluene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Tetrachloroethene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
Dibromochloromethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	01/14/25	01/14/25
Chlorobenzene	ND		ug/L	5.0	0.09	01/14/25	01/14/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Ethylbenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
m,p-Xylenes	ND		ug/L	10	0.2	01/14/25	01/14/25
o-Xylene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Styrene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
Bromoform	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Isopropylbenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	01/14/25	01/14/25

ENTHALPY ANALYTICAL

Batch QC

QC1219629 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
Bromobenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	01/14/25	01/14/25
n-Butylbenzene	ND		ug/L	5.0	0.4	01/14/25	01/14/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	01/14/25	01/14/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	01/14/25	01/14/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	01/14/25	01/14/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	01/14/25	01/14/25
Naphthalene	ND		ug/L	5.0	0.3	01/14/25	01/14/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	01/14/25	01/14/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	01/14/25	01/14/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	01/14/25	01/14/25
Xylene (total)	ND		ug/L	5.0		01/14/25	01/14/25
Surrogates				**Limits**			
Dibromofluoromethane	103%		%REC	70-130		01/14/25	01/14/25
1,2-Dichloroethane-d4	99%		%REC	70-130		01/14/25	01/14/25
Toluene-d8	97%		%REC	70-130		01/14/25	01/14/25
Bromofluorobenzene	103%		%REC	70-130		01/14/25	01/14/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1219701**	**Batch:**	**360206**
Matrix (Source ID):	**Water (523838-003)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1219701 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	46.57	ND	50.00	ug/L	93%		70-130	1
MTBE	41.88	ND	50.00	ug/L	84%		75-130	1
Benzene	46.72	ND	50.00	ug/L	93%		70-130	1
Trichloroethene	50.27	ND	50.00	ug/L	101%		63-130	1
Toluene	46.53	ND	50.00	ug/L	93%		70-130	1
Chlorobenzene	46.15	ND	50.00	ug/L	92%		70-130	1
Surrogates								
Dibromofluoromethane	51.77		50.00	ug/L	104%		70-130	1
1,2-Dichloroethane-d4	47.24		50.00	ug/L	94%		70-130	1
Toluene-d8	49.74		50.00	ug/L	99%		70-130	1
Bromofluorobenzene	51.73		50.00	ug/L	103%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1219702	Batch:	360206
Matrix (Source ID):	Water (523838-003)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1219702 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	49.54	ND	50.00	ug/L	99%		70-130	6	30	1
MTBE	46.26	ND	50.00	ug/L	93%		75-130	10	30	1
Benzene	50.29	ND	50.00	ug/L	101%		70-130	7	30	1
Trichloroethene	52.20	ND	50.00	ug/L	104%		63-130	4	30	1
Toluene	48.74	ND	50.00	ug/L	97%		70-130	5	30	1
Chlorobenzene	48.83	ND	50.00	ug/L	98%		70-130	6	30	1
Surrogates										
Dibromofluoromethane	52.86		50.00	ug/L	106%		70-130			1
1,2-Dichloroethane-d4	49.21		50.00	ug/L	98%		70-130			1
Toluene-d8	49.14		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	51.84		50.00	ug/L	104%		70-130			1

Type:	Blank	Lab ID:	QC1219711	Batch:	360225
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1219711 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	01/14/25	01/14/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		01/14/25	01/14/25

Type:	Lab Control Sample	Lab ID:	QC1219712	Batch:	360225
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1219712 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.425	10.00	ug/L	94%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.78	10.00	ug/L	108%		80-120

Type:	Matrix Spike	Lab ID:	QC1219713	Batch:	360225
Matrix (Source ID):	Water (523840-005)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1219713 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,4-Dioxane	9.489	ND	10.00	ug/L	95%		70-130	1
Surrogates								
1,4-Dioxane-d8 (SUR)	10.30		10.00	ug/L	103%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1219714	Batch:	360225
Matrix (Source ID):	Water (523840-005)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1219714 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,4-Dioxane	9.455	ND	10.00	ug/L	95%		70-130	0	30	1
Surrogates										
1,4-Dioxane-d8 (SUR)	10.34		10.00	ug/L	103%		80-120			1

Type:	Blank	Lab ID:	QC1220118	Batch:	360364
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1220118 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		01/15/25	01/15/25

Type:	Lab Control Sample	Lab ID:	QC1220119	Batch:	360364
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1220119 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1220120	Batch:	360364
Matrix (Source ID):	Water (523838-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1220120 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1220121	Batch:	360364
Matrix (Source ID):	Water (523838-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1220121 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1220072	Batch:	360350
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1220072 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	01/15/25	01/15/25

Type:	Lab Control Sample	Lab ID:	QC1220074	Batch:	360350
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1220074 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.84	25.00	mg/L	99%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1220076	Batch:	360350
Matrix (Source ID):	Water (523838-001)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1220076 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	39.42	8.948	25.00	mg/L	122%	*	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1220077	Batch:	360350
Matrix (Source ID):	Water (523838-001)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1220077 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	37.37	8.948	25.00	mg/L	114%		80-120	5	20	1

Type:	Blank	Lab ID:	QC1223235	Batch:	361290
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1223235 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		01/25/25	01/25/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		01/25/25	01/25/25

Type:	Lab Control Sample	Lab ID:	QC1223236	Batch:	361290
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1223236 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,006	1000	mg/L	101%		90-110

Type:	Sample Duplicate	Lab ID:	QC1223237	Batch:	361290
Matrix (Source ID):	Water (524084-001)	Method:	SM2320B	Prep Method:	METHOD

QC1223237 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	331.4	327.5	mg/L		1	20	5
Alkalinity, Total as CaCO3	331.4	327.5	mg/L		1	20	5

Type:	Blank	Lab ID:	QC1219833	Batch:	360271
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1219833 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		01/15/25	01/17/25

Type:	Lab Control Sample	Lab ID:	QC1219861	Batch:	360271
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1219861 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,068	1000	mg/L	107%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1220194**	**Batch:**	**360271**
Matrix (Source ID):	**Water (523868-001)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1220194 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	666.0	676.0	mg/L		1	5	2

Type:	**Sample Duplicate**	**Lab ID:**	**QC1220195**	**Batch:**	**360271**
Matrix (Source ID):	**Water (523868-003)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1220195 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	818.0	790.0	mg/L		3	5	2

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 523838

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2501781

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 058321
Project: EO-523838

Project Location:
Project Received: 01/15/2025

Analytical Report reviewed & approved for release on 01/24/2025 by:

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501781

Project: EO-523838

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501781

Project: EO-523838

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	Sample was analyzed out of hold time

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501781
Date Received:	01/15/2025 10:26	**Extraction Method:**	RSK175
Date Prepared:	01/21/2025	**Analytical Method:**	RSK175
Project:	EO-523838	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-28	2501781-001A	Water	01/13/2025 09:19	GC26 0121250809.D	310113

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**910**	H	50	50	1	01/21/2025 11:02

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-8	2501781-002A	Water	01/13/2025 10:38	GC26 0121250810.D	310113

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**29,000**	H	5000	5000	100	01/21/2025 11:39

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-9	2501781-003A	Water	01/13/2025 11:54	GC26 0121250811.D	310113

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**930**	H	50	50	1	01/21/2025 12:07

Analyst(s): PRE

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501781
Date Prepared:	01/21/2025	**BatchID:**	310113
Date Analyzed:	01/21/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-523838	**Sample ID:**	MB/LCS/LCSD-310113

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	160	150	187.2	88	79	70-130	10.0	30

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Pittsburg, CA 94565-1701
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2501781 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 058321
Project: EO-523838

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **01/15/2025**
Date Logged: **01/15/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2501781-001	DW-28	Water	1/13/2025 09:19	☐	A											
2501781-002	DW-8	Water	1/13/2025 10:38	☐	A											
2501781-003	DW-9	Water	1/13/2025 11:54	☐	A											

Test Legend:

1	RSK175_CO2_W	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-523838 **Work Order:** 2501781
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/15/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-28	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/13/2025 9:19	5 days	1/23/2025	None	☐	☐
002A	DW-8	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/13/2025 10:38	5 days	1/23/2025	None	☐	☐
003A	DW-9	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/13/2025 11:54	5 days	1/23/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2501781

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-523838
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-28	13-JAN-2025 09:19	523838-001	3	Water	RSK-175 CO2	
DW-8	13-JAN-2025 10:38	523838-002	3	Water	RSK-175 CO2	
DW-9	13-JAN-2025 11:54	523838-003	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	J. Dentzer EA-ORA	
	Date: 01/14/25 1500	Date:
		Emily R
	Date:	Date: 01/15/25 10:25
	Date:	Date:

GIS: 562508945 0.4 wet IR30

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-523838

Date and Time Received: 1/15/2025 10:26
Date Logged: 1/15/2025
Received by: Emily Perez
Logged by: Emily Perez

WorkOrder №: 2501781 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.4°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 523942
Report Level : II
Report Date : 01/30/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	523942 GW MONITORING Chiquita Canyon Landfill 01/14/25

Sample ID	Lab ID	Collected	Matrix
DW-12	523942-001	01/14/25 09:13	Water
DW-7	523942-002	01/14/25 10:15	Water
DW-18	523942-003	01/14/25 11:17	Water
DW-21	523942-004	01/14/25 12:02	Water
PZ-4	523942-005	01/14/25 13:25	Water
QCFB	523942-006	01/14/25 09:15	Water
QCTB	523942-007	01/14/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 523942 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 01/14/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 01/15/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):

- High recovery was observed for total organic carbon in the MS of DW-12 (lab # 523942-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 523942

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-12	1/14/25	913	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-7		1015				X	X	X	X	X	X	X	X	X
3	DW-18		1117				X	X	X	X	X	X	X	X	X
4	DW-21		1202				X	X	X	X	X	X	X	X	X
5	PZ-4		1325				X	X	X	X	X	X	X	X	X
6	QCFB		915		3		X								
7	QCTB	—	—		2		X								
8															
9															
10															

Analysis Request

Test Instructions / Comments

12.4
15.9 IR11 1.6.11-7
IR03

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	1.14.25 1430
[1] Received By:		Jim Lin	SA · NH	1.14.25 1430
[2] Relinquished By:		Jim Lin	SA · NH	1.15.25 0830
[2] Received By:		Hrag B.	EA-NH	1/15/25 0830
[3] Relinquished By:		Hrag B.	EA-NH	1/15/25 1553
[3] Received By:		Brandon F	EA	1/15/25 1640
Relinquished		Brandon F	EA	1-15-25 1640
Rec:	Acrylic	Adam Dinkmeyer	EA	1/15/25 1640

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1.14.25 WO# _____ Client: Chiquita Canyon LF

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1.14.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: _____ CF: _____

Cooler Temp (°C) #1: 12.4 / _____ #2: 15.9 / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1/15/25 WO# 523942 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/15/25 By (initials) BDT Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 1.6 / 1.7 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 1/14/25 **By (print)** AES **(sign)** _____

Date Labeled 1/15/25 **By (print)** EA - OR **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 523942

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 523942
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/14/25

Sample ID: DW-12 **Lab ID: 523942-001** **Collected: 01/14/25 09:13**
Matrix: Water

523942-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.57**		mg/L	0.20	0.040	1	360383	01/15/25 13:00	01/15/25 20:58	JAA
Chloride	**190**		mg/L	1.0	0.20	1	360383	01/15/25 13:00	01/15/25 20:58	JAA
Bromide	**0.75**		mg/L	0.30	0.065	1	360383	01/15/25 13:00	01/15/25 20:58	JAA
Nitrogen, Nitrate	**3.4**		mg/L	0.10	0.06	1	360383	01/15/25 13:00	01/15/25 20:58	JAA
Sulfate	**300**		mg/L	10	3.4	10	360383	01/15/25 13:00	01/15/25 21:19	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360689	01/18/25	01/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**3.0**	J	mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.22**		mg/L	0.050	0.0062	1	360478	01/16/25	01/16/25	SBW
Calcium	**24**		mg/L	0.57	0.57	1	360478	01/16/25	01/16/25	SBW
Iron	**0.13**		mg/L	0.041	0.041	1	360478	01/16/25	01/16/25	SBW
Magnesium	**2.9**		mg/L	0.10	0.025	1	360478	01/16/25	01/16/25	SBW
Manganese	**0.0050**	J	mg/L	0.010	0.0029	1	360478	01/16/25	01/16/25	SBW
Potassium	**1.9**		mg/L	0.50	0.42	1	360478	01/16/25	01/16/25	SBW
Sodium	**270**		mg/L	0.50	0.34	1	360478	01/16/25	01/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	360472	01/16/25	01/16/25	TCN
Freon 12	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Bromomethane	ND		ug/L	5.0	0.3	1	360472	01/16/25	01/16/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Acetone	ND		ug/L	100	16	1	360472	01/16/25	01/16/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Methylene Chloride	ND		ug/L	5.0	1.4	1	360472	01/16/25	01/16/25	TCN
MTBE	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
2-Butanone	ND		ug/L	100	3.1	1	360472	01/16/25	01/16/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	TCN
Chloroform	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

523942-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	360472	01/16/25	01/16/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Benzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	TCN
Trichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Dibromomethane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	360472	01/16/25	01/16/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	360472	01/16/25	01/16/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Styrene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Bromoform	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Bromobenzene	ND		ug/L	5.0	0.07	1	360472	01/16/25	01/16/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	360472	01/16/25	01/16/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
Naphthalene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	TCN
Xylene (total)	ND		ug/L	5.0		1	360472	01/16/25	01/16/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	114%		%REC	70-130		1	360472	01/16/25	01/16/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

523942-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	93%		%REC	70-130		1	360472	01/16/25	01/16/25	TCN
Toluene-d8	91%		%REC	70-130		1	360472	01/16/25	01/16/25	TCN
Bromofluorobenzene	98%		%REC	70-130		1	360472	01/16/25	01/16/25	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360458	01/16/25	01/17/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	360458	01/16/25	01/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**3.0**		mg/L	1.0	0.24	1	360506	01/16/25	01/17/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**170**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**840**		mg/L	20		2	360699	01/18/25	01/21/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

Sample ID: DW-7	Lab ID: 523942-002	Collected: 01/14/25 10:15
	Matrix: Water	

523942-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.16**	J	mg/L	0.20	0.040	1	360383	01/15/25 13:00	01/15/25 21:40	JAA
Chloride	**81**		mg/L	1.0	0.20	1	360383	01/15/25 13:00	01/15/25 21:40	JAA
Bromide	**0.18**	J	mg/L	0.30	0.065	1	360383	01/15/25 13:00	01/15/25 21:40	JAA
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	1	360383	01/15/25 13:00	01/15/25 21:40	JAA
Sulfate	**620**		mg/L	10	3.4	10	360383	01/15/25 13:00	01/15/25 22:42	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360689	01/18/25	01/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.17**		mg/L	0.050	0.0062	1	360478	01/16/25	01/16/25	SBW
Calcium	**33**		mg/L	0.57	0.57	1	360478	01/16/25	01/16/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360478	01/16/25	01/16/25	SBW
Magnesium	**1.6**		mg/L	0.10	0.025	1	360478	01/16/25	01/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	360478	01/16/25	01/16/25	SBW
Potassium	**1.3**		mg/L	0.50	0.42	1	360478	01/16/25	01/16/25	SBW
Sodium	**320**		mg/L	0.50	0.34	1	360478	01/16/25	01/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360826	01/21/25	01/21/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	ZST
Acetone	ND		ug/L	100	21	1	360826	01/21/25	01/21/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	360826	01/21/25	01/21/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	360826	01/21/25	01/21/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

523942-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360826	01/21/25	01/21/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360826	01/21/25	01/21/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360826	01/21/25	01/21/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	360826	01/21/25	01/21/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360826	01/21/25	01/21/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	360826	01/21/25	01/21/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	360826	01/21/25	01/21/25	ZST
Toluene-d8	103%		%REC	70-130		1	360826	01/21/25	01/21/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	360826	01/21/25	01/21/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 523942

523942-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360458	01/16/25	01/17/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	360458	01/16/25	01/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.5**		mg/L	1.0	0.24	1	360506	01/16/25	01/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**130**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**130**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	360699	01/18/25	01/21/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 523942

Sample ID: DW-18	Lab ID: 523942-003	Collected: 01/14/25 11:17
	Matrix: Water	

523942-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.23**		mg/L	0.20	0.040	1	360383	01/15/25 13:00	01/15/25 23:03	JAA
Chloride	**110**		mg/L	1.0	0.20	1	360383	01/15/25 13:00	01/15/25 23:03	JAA
Bromide	**0.32**		mg/L	0.30	0.065	1	360383	01/15/25 13:00	01/15/25 23:03	JAA
Nitrogen, Nitrate	**3.1**		mg/L	0.10	0.06	1	360383	01/15/25 13:00	01/15/25 23:03	JAA
Sulfate	**330**		mg/L	10	3.4	10	360383	01/15/25 13:00	01/15/25 23:24	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360689	01/18/25	01/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**10**		mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.38**		mg/L	0.050	0.0062	1	360478	01/16/25	01/16/25	SBW
Calcium	**27**		mg/L	0.57	0.57	1	360478	01/16/25	01/16/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360478	01/16/25	01/16/25	SBW
Magnesium	**2.2**		mg/L	0.10	0.025	1	360478	01/16/25	01/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	360478	01/16/25	01/16/25	SBW
Potassium	**1.7**		mg/L	0.50	0.42	1	360478	01/16/25	01/16/25	SBW
Sodium	**290**		mg/L	0.50	0.34	1	360478	01/16/25	01/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360826	01/21/25	01/21/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
Chloromethane	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	LYZ
Chloroethane	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	LYZ
Acetone	ND		ug/L	100	21	1	360826	01/21/25	01/21/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	LYZ
Methylene Chloride	ND		ug/L	5.0	2.4	1	360826	01/21/25	01/21/25	LYZ
MTBE	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	LYZ
2-Butanone	ND		ug/L	100	1.7	1	360826	01/21/25	01/21/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

523942-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360826	01/21/25	01/21/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360826	01/21/25	01/21/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360826	01/21/25	01/21/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360826	01/21/25	01/21/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	360826	01/21/25	01/21/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	360826	01/21/25	01/21/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360826	01/21/25	01/21/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360826	01/21/25	01/21/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360826	01/21/25	01/21/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360826	01/21/25	01/21/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	360826	01/21/25	01/21/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	360826	01/21/25	01/21/25	LYZ
1,2-Dichloroethane-d4	101%		%REC	70-130		1	360826	01/21/25	01/21/25	LYZ
Toluene-d8	101%		%REC	70-130		1	360826	01/21/25	01/21/25	LYZ
Bromofluorobenzene	98%		%REC	70-130		1	360826	01/21/25	01/21/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 523942

523942-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360458	01/16/25	01/17/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	360458	01/16/25	01/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**10**		mg/L	1.0	0.24	1	360506	01/16/25	01/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**340**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**340**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	360699	01/18/25	01/21/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 523942

Sample ID: DW-21	Lab ID: 523942-004	Collected: 01/14/25 12:02
	Matrix: Water	

523942-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.79**		mg/L	0.20	0.040	1	360383	01/15/25 13:00	01/15/25 23:45	JAA
Chloride	**54**		mg/L	1.0	0.20	1	360383	01/15/25 13:00	01/15/25 23:45	JAA
Bromide	**0.16**	J	mg/L	0.30	0.065	1	360383	01/15/25 13:00	01/15/25 23:45	JAA
Nitrogen, Nitrate	**0.12**		mg/L	0.10	0.06	1	360383	01/15/25 13:00	01/15/25 23:45	JAA
Sulfate	**110**		mg/L	10	3.4	10	360383	01/15/25 13:00	01/16/25 00:06	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360689	01/18/25	01/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**4.0**		mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.27**		mg/L	0.050	0.0062	1	360478	01/16/25	01/16/25	SBW
Calcium	**3.7**		mg/L	0.57	0.57	1	360478	01/16/25	01/16/25	SBW
Iron	**0.053**		mg/L	0.041	0.041	1	360478	01/16/25	01/16/25	SBW
Magnesium	**0.16**		mg/L	0.10	0.025	1	360478	01/16/25	01/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	360478	01/16/25	01/16/25	SBW
Potassium	**0.50**		mg/L	0.50	0.42	1	360478	01/16/25	01/16/25	SBW
Sodium	**140**		mg/L	0.50	0.34	1	360478	01/16/25	01/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	360472	01/16/25	01/16/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	360472	01/16/25	01/16/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Acetone	ND		ug/L	100	16	1	360472	01/16/25	01/16/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	360472	01/16/25	01/16/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	360472	01/16/25	01/16/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Chloroform	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

523942-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	360472	01/16/25	01/16/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360472	01/16/25	01/16/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	360472	01/16/25	01/16/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	360472	01/16/25	01/16/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360472	01/16/25	01/16/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	114%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane-d4	93%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Toluene-d8	90%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 523942

523942-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360458	01/16/25	01/17/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	97%		%REC	80-120		1	360458	01/16/25	01/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.0**		mg/L	1.0	0.24	1	360506	01/16/25	01/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**140**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**380**		mg/L	20		2	360699	01/18/25	01/21/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

Sample ID: PZ-4	Lab ID: 523942-005	Collected: 01/14/25 13:25
	Matrix: Water	

523942-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.55**		mg/L	0.20	0.040	1	360383	01/15/25 13:00	01/16/25 00:27	JAA
Chloride	**61**		mg/L	1.0	0.20	1	360383	01/15/25 13:00	01/16/25 00:27	JAA
Bromide	**0.16**	J	mg/L	0.30	0.065	1	360383	01/15/25 13:00	01/16/25 00:27	JAA
Nitrogen, Nitrate	**1.3**		mg/L	0.10	0.06	1	360383	01/15/25 13:00	01/16/25 00:27	JAA
Sulfate	**120**		mg/L	10	3.4	10	360383	01/15/25 13:00	01/16/25 00:48	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360689	01/18/25	01/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**19**		mg/L	4.0	1.6	1	360490	01/16/25	01/16/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.31**		mg/L	0.050	0.0062	1	360478	01/16/25	01/16/25	SBW
Calcium	**52**		mg/L	0.57	0.57	1	360478	01/16/25	01/16/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360478	01/16/25	01/16/25	SBW
Magnesium	**9.8**		mg/L	0.10	0.025	1	360478	01/16/25	01/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	360478	01/16/25	01/16/25	SBW
Potassium	**2.3**		mg/L	0.50	0.42	1	360478	01/16/25	01/16/25	SBW
Sodium	**180**		mg/L	0.50	0.34	1	360478	01/16/25	01/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	360472	01/16/25	01/16/25	EJB
Freon 12	**0.3**	J	ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	360472	01/16/25	01/16/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Acetone	ND		ug/L	100	16	1	360472	01/16/25	01/16/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	360472	01/16/25	01/16/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	360472	01/16/25	01/16/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Chloroform	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 523942

523942-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	360472	01/16/25	01/16/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360472	01/16/25	01/16/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	360472	01/16/25	01/16/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	360472	01/16/25	01/16/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360472	01/16/25	01/16/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	113%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane-d4	94%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Toluene-d8	90%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 523942

523942-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360458	01/16/25	01/17/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	360458	01/16/25	01/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**14**		mg/L	1.0	0.24	1	360506	01/16/25	01/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**390**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Alkalinity, Total as CaCO3	**390**		mg/L	5.0		2.5	361290	01/25/25	01/25/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**690**		mg/L	20		2	360699	01/18/25	01/21/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 523942

Sample ID: QCFB	Lab ID: 523942-006	Collected: 01/14/25 09:15
	Matrix: Water	

523942-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	360472	01/16/25	01/16/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	360472	01/16/25	01/16/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Acetone	ND		ug/L	100	16	1	360472	01/16/25	01/16/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	360472	01/16/25	01/16/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	360472	01/16/25	01/16/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Chloroform	**0.2**	J	ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Benzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	360472	01/16/25	01/16/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360472	01/16/25	01/16/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 523942

523942-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	360472	01/16/25	01/16/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	360472	01/16/25	01/16/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360472	01/16/25	01/16/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane-d4	92%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Toluene-d8	89%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

Sample ID: QCTB	Lab ID: 523942-007	Collected: 01/14/25
	Matrix: Water	

523942-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	360472	01/16/25	01/16/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	360472	01/16/25	01/16/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Acetone	ND		ug/L	100	16	1	360472	01/16/25	01/16/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	360472	01/16/25	01/16/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	360472	01/16/25	01/16/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Chloroform	**0.2**	J	ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	360472	01/16/25	01/16/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Benzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	360472	01/16/25	01/16/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360472	01/16/25	01/16/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360472	01/16/25	01/16/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 523942

523942-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360472	01/16/25	01/16/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	360472	01/16/25	01/16/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	360472	01/16/25	01/16/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	360472	01/16/25	01/16/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	360472	01/16/25	01/16/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360472	01/16/25	01/16/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360472	01/16/25	01/16/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	113%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
1,2-Dichloroethane-d4	93%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Toluene-d8	91%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB
Bromofluorobenzene	101%		%REC	70-130		1	360472	01/16/25	01/16/25	EJB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1220185**	**Batch:**	**360383**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220185 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.040	01/15/25 13:00	01/15/25 14:21
Chloride	ND		mg/L	1.0	0.20	01/15/25 13:00	01/15/25 14:21
Bromide	ND		mg/L	0.30	0.065	01/15/25 13:00	01/15/25 14:21
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	01/15/25 13:00	01/15/25 14:21
Sulfate	ND		mg/L	1.0	0.34	01/15/25 13:00	01/15/25 14:21

Type:	**Lab Control Sample**	**Lab ID:**	**QC1220186**	**Batch:**	**360383**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220186 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.689	10.00	mg/L	97%		90-110
Chloride	47.53	50.00	mg/L	95%		90-110
Bromide	14.88	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.439	4.518	mg/L	98%		90-110
Sulfate	24.46	25.00	mg/L	98%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1220187**	**Batch:**	**360383**
Matrix (Source ID):	**Water (523980-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220187 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.16	0.4082	20.00	mg/L	99%		80-120	1
Chloride	138.2	38.06	100.0	mg/L	100%		80-120	1
Bromide	14.85	0.08986	15.00	mg/L	98%		80-120	1
Nitrogen, Nitrate	8.911	ND	9.036	mg/L	99%		80-120	1
Sulfate	52.54	3.762	50.00	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1220188**	**Batch:**	**360383**
Matrix (Source ID):	**Water (523980-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220188 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.19	0.4082	20.00	mg/L	99%		80-120	0	20	1
Chloride	138.2	38.06	100.0	mg/L	100%		80-120	0	20	1
Bromide	14.80	0.08986	15.00	mg/L	98%		80-120	0	20	1
Nitrogen, Nitrate	8.910	ND	9.036	mg/L	99%		80-120	0	20	1
Sulfate	52.67	3.762	50.00	mg/L	98%		80-120	0	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1221106**	**Batch:**	**360689**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1221106 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9132	1.000	mg/L	91%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1221107	Batch: 360689
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1221107 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	01/18/25	01/22/25

Type: Matrix Spike	Lab ID: QC1222154	Batch: 360689
Matrix (Source ID): Water (523942-001)	Method: EPA 350.1	Prep Method: METHOD

QC1222154 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9197	ND	1.000	mg/L	92%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1222155	Batch: 360689
Matrix (Source ID): Water (523942-001)	Method: EPA 350.1	Prep Method: METHOD

QC1222155 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.006	ND	1.000	mg/L	101%		90-110	9	20	1

Type: Matrix Spike	Lab ID: QC1222156	Batch: 360689
Matrix (Source ID): Water (523942-002)	Method: EPA 350.1	Prep Method: METHOD

QC1222156 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9953	ND	1.000	mg/L	100%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1222157	Batch: 360689
Matrix (Source ID): Water (523942-002)	Method: EPA 350.1	Prep Method: METHOD

QC1222157 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.030	ND	1.000	mg/L	103%		90-110	3	20	1

Type: Blank	Lab ID: QC1220518	Batch: 360490
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1220518 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	01/16/25	01/16/25

Type: Lab Control Sample	Lab ID: QC1220519	Batch: 360490
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1220519 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	104.0	100.0	mg/L	104%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1220520	Batch:	360490
Matrix (Source ID):	Water (523838-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1220520 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	105%		77-120	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1220521	Batch:	360490
Matrix (Source ID):	Water (523838-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1220521 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	108.0	ND	100.0	mg/L	107%		77-120	2	20	2

Type:	Blank	Lab ID:	QC1220454	Batch:	360478
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1220454 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	01/16/25	01/16/25
Calcium	ND		mg/L	0.57	0.57	01/16/25	01/16/25
Iron	ND		mg/L	0.041	0.041	01/16/25	01/16/25
Magnesium	ND		mg/L	0.10	0.025	01/16/25	01/16/25
Manganese	ND		mg/L	0.010	0.0029	01/16/25	01/16/25
Potassium	ND		mg/L	0.50	0.42	01/16/25	01/16/25
Sodium	ND		mg/L	0.50	0.34	01/16/25	01/16/25

Type:	Lab Control Sample	Lab ID:	QC1220455	Batch:	360478
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1220455 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3581	0.4000	mg/L	90%		80-120
Calcium	18.54	20.40	mg/L	91%		80-120
Iron	0.3702	0.4000	mg/L	93%		80-120
Magnesium	18.16	20.40	mg/L	89%		80-120
Manganese	0.3601	0.4000	mg/L	90%		80-120
Potassium	20.83	24.00	mg/L	87%		80-120
Sodium	18.25	20.40	mg/L	89%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1220456**	**Batch:**	**360478**
Matrix (Source ID):	**Water (523942-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1220456 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.5922	0.2194	0.4000	mg/L	93%		75-125	1
Calcium	42.22	23.93	20.40	mg/L	90%		75-125	1
Iron	0.4854	0.1297	0.4000	mg/L	89%		75-125	1
Magnesium	21.15	2.879	20.40	mg/L	90%		75-125	1
Manganese	0.3660	0.005044	0.4000	mg/L	90%		75-125	1
Potassium	23.64	1.925	24.00	mg/L	90%		75-125	1
Sodium	288.8	273.9	20.40	mg/L	73%	NM	75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1220457**	**Batch:**	**360478**
Matrix (Source ID):	**Water (523942-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1220457 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.5895	0.2194	0.4000	mg/L	93%		75-125	0	20	1
Calcium	42.02	23.93	20.40	mg/L	89%		75-125	0	20	1
Iron	0.4824	0.1297	0.4000	mg/L	88%		75-125	1	20	1
Magnesium	20.98	2.879	20.40	mg/L	89%		75-125	1	20	1
Manganese	0.3649	0.005044	0.4000	mg/L	90%		75-125	0	20	1
Potassium	23.42	1.925	24.00	mg/L	90%		75-125	1	20	1
Sodium	289.4	273.9	20.40	mg/L	76%	NM	75-125	0	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1220426**	**Batch:**	**360472**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1220426 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	48.20	50.00	ug/L	96%		70-135
MTBE	51.77	50.00	ug/L	104%		70-130
Benzene	51.53	50.00	ug/L	103%		70-130
Trichloroethene	53.09	50.00	ug/L	106%		70-130
Toluene	45.53	50.00	ug/L	91%		70-130
Chlorobenzene	46.99	50.00	ug/L	94%		70-130
Surrogates						
Dibromofluoromethane	52.00	50.00	ug/L	104%		70-130
1,2-Dichloroethane-d4	44.65	50.00	ug/L	89%		70-130
Toluene-d8	46.29	50.00	ug/L	93%		70-130
Bromofluorobenzene	53.40	50.00	ug/L	107%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1220427**	**Batch:**	**360472**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1220427 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.88	50.00	ug/L	90%		70-135	7	30
MTBE	50.76	50.00	ug/L	102%		70-130	2	30
Benzene	48.05	50.00	ug/L	96%		70-130	7	30
Trichloroethene	48.61	50.00	ug/L	97%		70-130	9	30
Toluene	41.42	50.00	ug/L	83%		70-130	9	30
Chlorobenzene	42.83	50.00	ug/L	86%		70-130	9	30
Surrogates								
Dibromofluoromethane	53.11	50.00	ug/L	106%		70-130		
1,2-Dichloroethane-d4	44.31	50.00	ug/L	89%		70-130		
Toluene-d8	46.18	50.00	ug/L	92%		70-130		
Bromofluorobenzene	51.61	50.00	ug/L	103%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1220428**	**Batch:**	**360472**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1220428 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	01/16/25	01/16/25
Freon 12	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Chloromethane	ND		ug/L	5.0	0.4	01/16/25	01/16/25
Vinyl Chloride	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Bromomethane	ND		ug/L	5.0	0.3	01/16/25	01/16/25
Chloroethane	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Acetone	ND		ug/L	100	16	01/16/25	01/16/25
Freon 113	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Methylene Chloride	ND		ug/L	5.0	1.4	01/16/25	01/16/25
MTBE	ND		ug/L	5.0	0.2	01/16/25	01/16/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	01/16/25	01/16/25
2-Butanone	ND		ug/L	100	3.1	01/16/25	01/16/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	01/16/25	01/16/25
Chloroform	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Bromochloromethane	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	01/16/25	01/16/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	01/16/25	01/16/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Benzene	ND		ug/L	5.0	0.09	01/16/25	01/16/25
Trichloroethene	ND		ug/L	5.0	0.2	01/16/25	01/16/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Bromodichloromethane	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Dibromomethane	ND		ug/L	5.0	0.09	01/16/25	01/16/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	01/16/25	01/16/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Toluene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	01/16/25	01/16/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Tetrachloroethene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Dibromochloromethane	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	01/16/25	01/16/25
Chlorobenzene	ND		ug/L	5.0	0.09	01/16/25	01/16/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Ethylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
m,p-Xylenes	ND		ug/L	10	0.2	01/16/25	01/16/25
o-Xylene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Styrene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Bromoform	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Isopropylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	01/16/25	01/16/25

ENTHALPY ANALYTICAL

Batch QC

QC1220428 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Bromobenzene	ND		ug/L	5.0	0.07	01/16/25	01/16/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
n-Butylbenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	01/16/25	01/16/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	01/16/25	01/16/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
Naphthalene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	01/16/25	01/16/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	01/16/25	01/16/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	01/16/25	01/16/25
Xylene (total)	ND		ug/L	5.0		01/16/25	01/16/25
Surrogates				**Limits**			
Dibromofluoromethane	111%		%REC	70-130		01/16/25	01/16/25
1,2-Dichloroethane-d4	91%		%REC	70-130		01/16/25	01/16/25
Toluene-d8	90%		%REC	70-130		01/16/25	01/16/25
Bromofluorobenzene	97%		%REC	70-130		01/16/25	01/16/25

Type: Matrix Spike **Lab ID:** QC1220643 **Batch:** 360472
Matrix (Source ID): Water (523942-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1220643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	43.53	ND	50.00	ug/L	87%		70-130	1
MTBE	52.46	ND	50.00	ug/L	105%		75-130	1
Benzene	50.60	ND	50.00	ug/L	101%		70-130	1
Trichloroethene	52.68	ND	50.00	ug/L	105%		63-130	1
Toluene	44.93	ND	50.00	ug/L	90%		70-130	1
Chlorobenzene	46.62	ND	50.00	ug/L	93%		70-130	1
Surrogates								
Dibromofluoromethane	50.67		50.00	ug/L	101%		70-130	1
1,2-Dichloroethane-d4	43.30		50.00	ug/L	87%		70-130	1
Toluene-d8	46.42		50.00	ug/L	93%		70-130	1
Bromofluorobenzene	51.96		50.00	ug/L	104%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1220644	Batch:	360472
Matrix (Source ID):	Water (523942-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1220644 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	42.90	ND	50.00	ug/L	86%		70-130	1	30	1
MTBE	51.17	ND	50.00	ug/L	102%		75-130	2	30	1
Benzene	49.99	ND	50.00	ug/L	100%		70-130	1	30	1
Trichloroethene	50.54	ND	50.00	ug/L	101%		63-130	4	30	1
Toluene	43.34	ND	50.00	ug/L	87%		70-130	4	30	1
Chlorobenzene	45.19	ND	50.00	ug/L	90%		70-130	3	30	1
Surrogates										
Dibromofluoromethane	52.55		50.00	ug/L	105%		70-130			1
1,2-Dichloroethane-d4	44.95		50.00	ug/L	90%		70-130			1
Toluene-d8	46.35		50.00	ug/L	93%		70-130			1
Bromofluorobenzene	51.90		50.00	ug/L	104%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1221618	Batch:	360826
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221618 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.80	50.00	ug/L	106%		70-135
MTBE	53.67	50.00	ug/L	107%		70-130
Benzene	53.60	50.00	ug/L	107%		70-130
Trichloroethene	54.28	50.00	ug/L	109%		70-130
Toluene	53.24	50.00	ug/L	106%		70-130
Chlorobenzene	53.59	50.00	ug/L	107%		70-130
Surrogates						
Dibromofluoromethane	50.31	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	50.42	50.00	ug/L	101%		70-130
Toluene-d8	50.26	50.00	ug/L	101%		70-130
Bromofluorobenzene	48.65	50.00	ug/L	97%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1221619	Batch:	360826
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221619 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.02	50.00	ug/L	102%		70-135	3	30
MTBE	51.69	50.00	ug/L	103%		70-130	4	30
Benzene	51.41	50.00	ug/L	103%		70-130	4	30
Trichloroethene	52.23	50.00	ug/L	104%		70-130	4	30
Toluene	50.79	50.00	ug/L	102%		70-130	5	30
Chlorobenzene	51.20	50.00	ug/L	102%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.29	50.00	ug/L	99%		70-130		
1,2-Dichloroethane-d4	49.87	50.00	ug/L	100%		70-130		
Toluene-d8	50.03	50.00	ug/L	100%		70-130		
Bromofluorobenzene	48.82	50.00	ug/L	98%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1221623	**Batch:** 360826	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1221623 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	01/21/25	01/21/25
Freon 12	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Chloromethane	ND		ug/L	5.0	0.3	01/21/25	01/21/25
Vinyl Chloride	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Bromomethane	ND		ug/L	5.0	0.4	01/21/25	01/21/25
Chloroethane	ND		ug/L	5.0	0.3	01/21/25	01/21/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	01/21/25	01/21/25
Acetone	ND		ug/L	100	21	01/21/25	01/21/25
Freon 113	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	01/21/25	01/21/25
Methylene Chloride	ND		ug/L	5.0	2.4	01/21/25	01/21/25
MTBE	ND		ug/L	5.0	0.09	01/21/25	01/21/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	01/21/25	01/21/25
2-Butanone	ND		ug/L	100	1.7	01/21/25	01/21/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Chloroform	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Bromochloromethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	01/21/25	01/21/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Benzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Trichloroethene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Bromodichloromethane	ND		ug/L	5.0	0.08	01/21/25	01/21/25
Dibromomethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	01/21/25	01/21/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	01/21/25	01/21/25
Toluene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Tetrachloroethene	ND		ug/L	5.0	0.09	01/21/25	01/21/25
Dibromochloromethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	01/21/25	01/21/25
Chlorobenzene	ND		ug/L	5.0	0.09	01/21/25	01/21/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Ethylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
m,p-Xylenes	ND		ug/L	10	0.2	01/21/25	01/21/25
o-Xylene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Styrene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Bromoform	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Isopropylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	01/21/25	01/21/25

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Batch QC

QC1221623 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Bromobenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
n-Butylbenzene	ND		ug/L	5.0	0.4	01/21/25	01/21/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	01/21/25	01/21/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	01/21/25	01/21/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	01/21/25	01/21/25
Naphthalene	ND		ug/L	5.0	0.3	01/21/25	01/21/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	01/21/25	01/21/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	01/21/25	01/21/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	01/21/25	01/21/25
Xylene (total)	ND		ug/L	5.0		01/21/25	01/21/25
Surrogates				**Limits**			
Dibromofluoromethane	99%		%REC	70-130		01/21/25	01/21/25
1,2-Dichloroethane-d4	101%		%REC	70-130		01/21/25	01/21/25
Toluene-d8	102%		%REC	70-130		01/21/25	01/21/25
Bromofluorobenzene	99%		%REC	70-130		01/21/25	01/21/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1221782**	**Batch:**	**360826**
Matrix (Source ID):	**Water (523942-002)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1221782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	50.41	ND	50.00	ug/L	101%		70-130	1
MTBE	51.67	ND	50.00	ug/L	103%		75-130	1
Benzene	51.20	ND	50.00	ug/L	102%		70-130	1
Trichloroethene	50.73	ND	50.00	ug/L	101%		63-130	1
Toluene	50.91	ND	50.00	ug/L	102%		70-130	1
Chlorobenzene	51.44	ND	50.00	ug/L	103%		70-130	1
Surrogates								
Dibromofluoromethane	49.08		50.00	ug/L	98%		70-130	1
1,2-Dichloroethane-d4	49.33		50.00	ug/L	99%		70-130	1
Toluene-d8	50.19		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	48.70		50.00	ug/L	97%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1221783	Batch:	360826
Matrix (Source ID):	Water (523942-002)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221783 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	47.47	ND	50.00	ug/L	95%		70-130	6	30	1
MTBE	50.55	ND	50.00	ug/L	101%		75-130	2	30	1
Benzene	48.40	ND	50.00	ug/L	97%		70-130	6	30	1
Trichloroethene	47.91	ND	50.00	ug/L	96%		63-130	6	30	1
Toluene	47.69	ND	50.00	ug/L	95%		70-130	7	30	1
Chlorobenzene	48.83	ND	50.00	ug/L	98%		70-130	5	30	1
Surrogates										
Dibromofluoromethane	49.93		50.00	ug/L	100%		70-130			1
1,2-Dichloroethane-d4	50.02		50.00	ug/L	100%		70-130			1
Toluene-d8	49.79		50.00	ug/L	100%		70-130			1
Bromofluorobenzene	48.18		50.00	ug/L	96%		70-130			1

Type:	Blank	Lab ID:	QC1220368	Batch:	360458
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1220368 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	01/16/25	01/17/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		01/16/25	01/17/25

Type:	Lab Control Sample	Lab ID:	QC1220369	Batch:	360458
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1220369 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.635	10.00	ug/L	86%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.09	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1220370	Batch:	360458
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1220370 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.518	10.00	ug/L	85%		80-120	1	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.732	10.00	ug/L	97%		80-120		

Type:	Blank	Lab ID:	QC1220807	Batch:	360588
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1220807 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		01/17/25	01/17/25

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Batch QC

Type: Lab Control Sample	Lab ID: QC1220809	Batch: 360588
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1220809 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1220810	Batch: 360588
Matrix (Source ID): Water (523942-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1220810 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1220811	Batch: 360588
Matrix (Source ID): Water (523942-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1220811 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank	Lab ID: QC1220526	Batch: 360506
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1220526 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	01/16/25	01/16/25

Type: Lab Control Sample	Lab ID: QC1220527	Batch: 360506
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1220527 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	26.06	25.00	mg/L	104%		80-120

Type: Matrix Spike	Lab ID: QC1220528	Batch: 360506
Matrix (Source ID): Water (523942-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1220528 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	33.24	2.996	25.00	mg/L	121%	*	80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1220529	Batch: 360506
Matrix (Source ID): Water (523942-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1220529 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	32.81	2.996	25.00	mg/L	119%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1223235	Batch: 361290
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1223235 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		01/25/25	01/25/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		01/25/25	01/25/25

Type: Lab Control Sample	Lab ID: QC1223236	Batch: 361290
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1223236 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,006	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1223237	Batch: 361290
Matrix (Source ID): Water (524084-001)	Method: SM2320B	Prep Method: METHOD

QC1223237 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	331.4	327.5	mg/L		1	20	5
Alkalinity, Total as CaCO3	331.4	327.5	mg/L		1	20	5

Type: Blank	Lab ID: QC1221148	Batch: 360699
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1221148 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		01/18/25	01/21/25

Type: Lab Control Sample	Lab ID: QC1221149	Batch: 360699
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1221149 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	924.0	1000	mg/L	92%		90-110

Type: Sample Duplicate	Lab ID: QC1221150	Batch: 360699
Matrix (Source ID): Water (523942-001)	Method: SM2540C	Prep Method: METHOD

QC1221150 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	882.0	842.0	mg/L		5	5	2

Type: Sample Duplicate	Lab ID: QC1221151	Batch: 360699
Matrix (Source ID): Water (524060-006)	Method: SM2540C	Prep Method: METHOD

QC1221151 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,002	1954	mg/L		2	5	2

Batch QC

* Value is outside QC limits
ND Not Detected
NM Not Meaningful

Laboratory Job Number 523942

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2501890

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 058321
Project: EO-523942

Project Location:
Project Received: 01/16/2025

Analytical Report reviewed & approved for release on 01/24/2025 by:

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501890

Project: EO-523942

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501890

Project: EO-523942

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501890
Date Received:	01/16/2025 10:25	**Extraction Method:**	RSK175
Date Prepared:	01/21/2025	**Analytical Method:**	RSK175
Project:	EO-523942	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-12	2501890-001A	Water	01/14/2025 09:13	GC26 0121250804.D	310113

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1200**	50	50	1	01/21/2025 08:45

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-7	2501890-002A	Water	01/14/2025 10:15	GC26 0121250805.D	310113

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**520**	50	50	1	01/21/2025 09:21

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-18	2501890-003A	Water	01/14/2025 11:17	GC26 0121250806.D	310113

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**4900**	500	500	10	01/21/2025 09:51

Analyst(s): PRE

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501890
Date Received:	01/16/2025 10:25	**Extraction Method:**	RSK175
Date Prepared:	01/21/2025	**Analytical Method:**	RSK175
Project:	EO-523942	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-21	2501890-004A	Water	01/14/2025 12:02	GC26 0121250807.D	310113

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**280**	50	50	1	01/21/2025 10:10

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2501890-005A	Water	01/14/2025 13:25	GC26 0121250808.D	310113

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**13,000**	2500	2500	50	01/21/2025 10:38

Analyst(s): PRE

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501890
Date Prepared:	01/21/2025	**BatchID:**	310113
Date Analyzed:	01/21/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-523942	**Sample ID:**	MB/LCS/LCSD-310113

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	160	150	187.2	88	79	70-130	10.0	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2501890 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 058321
Project: EO-523942

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **01/16/2025**
Date Logged: **01/16/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2501890-001	DW-12	Water	1/14/2025 09:13	☐	A											
2501890-002	DW-7	Water	1/14/2025 10:15	☐	A											
2501890-003	DW-18	Water	1/14/2025 11:17	☐	A											
2501890-004	DW-21	Water	1/14/2025 12:02	☐	A											
2501890-005	PZ-4	Water	1/14/2025 13:25	☐	A											

Test Legend:

1	RSK175_CO2_W	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Gemma Gomez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-523942 **Work Order:** 2501890
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/16/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-12	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/14/2025 9:13	5 days	1/24/2025	Present	☐	☐
002A	DW-7	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/14/2025 10:15	5 days	1/24/2025	None	☐	☐
003A	DW-18	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/14/2025 11:17	5 days	1/24/2025	None	☐	☐
004A	DW-21	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/14/2025 12:02	5 days	1/24/2025	None	☐	☐
005A	PZ-4	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/14/2025 13:25	5 days	1/24/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2501890

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-523942
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-12	14-JAN-2025 09:13	523942-001	3	Water	RSK-175 CO2	
DW-7	14-JAN-2025 10:15	523942-002	3	Water	RSK-175 CO2	
DW-18	14-JAN-2025 11:17	523942-003	3	Water	RSK-175 CO2	
DW-21	14-JAN-2025 12:02	523942-004	3	Water	RSK-175 CO2	
PZ-4	14-JAN-2025 13:25	523942-005	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	J. Martinez EA-ORA	
	Date: 01/15/25 1750	Date: 1/16/25 10:25
	Date:	Date:
	Date:	Date:

1 of 1

915625162S1

0.2 ug 1P:41

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	1/16/2025 10:25
Project:	EO-523942	Date Logged:	1/16/2025
		Received by:	Gemma Gomez
WorkOrder №:	2501890 Matrix: Water	Logged by:	Gemma Gomez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
	(Ice Type: WET ICE)		
Sample/Temp Blank temperature	Temp: 0.2°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 524063
Report Level : II
Report Date : 01/30/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	524063 GW MONITORING Chiquita Canyon Landfill 01/15/25

Sample ID	Lab ID	Collected	Matrix
DW-17	524063-001	01/15/25 09:22	Water
DW-14	524063-002	01/15/25 10:52	Water
DW-30	524063-003	01/15/25 11:59	Water
DW-15	524063-004	01/15/25 12:59	Water
QCFB	524063-005	01/15/25 13:02	Water
QCTB	524063-006	01/15/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 524063 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 01/15/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 01/16/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- High response was observed for fluoride in the CCV analyzed 01/17/25 01:25; affected data was qualified with "b".
- Responses exceeding the instrument's linear range were observed for chloride and sulfate in the MS/MSD for batch 360536 and the MS/MSD for batch 360793; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 524063

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

3.4 | 3.5

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-17	1/15/25	922	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-14	↓	1052	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-30		1159				X	X	X	X	X	X	X	X	X
4	DW-15		1259		↓		X	X	X	X	X	X	X	X	X
5	QCFB	↓	1302		3		X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

	Signature	Print Name	Company / Title	Date / Time	
[1] Relinquished By:		Paul Chang	CEI	1.15.25	1405
[1] Received By:		Jim Lin	EA-NH	1.15.25	1405
[2] Relinquished By:		Jim Lin	EA-NH	1.16.25	0830
[2] Received By:		Hrag B.	EA-NH	1/16/25	0830
[3] Relinquished By:		Hrag B.	EA-NH	1/16/25	1230
[3] Received By:		Brandon T	EA	1.16.25	1230
Relinquished / Rec'd		Brandon / Adam Dinkmeyer	EA	1.16.25 / 1/16/25	1300 / 1300

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1.15.25 WO# _____ Client: Chiquita Canyon LF

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1.15.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2

Cooler Temp (°C) #1: 12.3 / 12.1 #2: 11.8 / 11.6 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1/16/25 WO# 524063 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☑ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☑ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/16/25 By (initials) BDJ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 3.4 / 3.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 1/15/25 **By (print)** AES **(sign)** _____

Date Labeled 1/16/25 **By (print)** EA-OR **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 524063

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 524063
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/15/25

Sample ID: DW-17 **Lab ID: 524063-001** **Collected: 01/15/25 09:22**
Matrix: Water

524063-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.17**	J	mg/L	0.20	0.040	1	360793	01/20/25 14:45	01/20/25 20:47	AJL
Chloride	**150**		mg/L	1.0	0.27	1	360536	01/16/25 15:50	01/16/25 18:17	JAA
Bromide	**0.33**		mg/L	0.30	0.060	1	360536	01/16/25 15:50	01/16/25 18:17	JAA
Nitrogen, Nitrate	**1.0**		mg/L	0.10	0.04	1	360536	01/16/25 15:50	01/16/25 18:17	JAA
Sulfate	**180**		mg/L	10	2.1	10	360536	01/16/25 15:50	01/16/25 18:40	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.092**		mg/L	0.050	0.0062	1	360528	01/16/25	01/16/25	CAP
Calcium	**4.9**		mg/L	0.57	0.57	1	360528	01/16/25	01/16/25	CAP
Iron	ND		mg/L	0.041	0.041	1	360528	01/16/25	01/16/25	CAP
Magnesium	**0.13**		mg/L	0.10	0.025	1	360528	01/16/25	01/16/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	360528	01/16/25	01/16/25	CAP
Potassium	**0.74**		mg/L	0.50	0.42	1	360528	01/16/25	01/16/25	CAP
Sodium	**220**		mg/L	0.50	0.34	1	360528	01/16/25	01/16/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360693	01/18/25	01/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Acetone	ND		ug/L	100	21	1	360693	01/18/25	01/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	360693	01/18/25	01/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	360693	01/18/25	01/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

524063-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360693	01/18/25	01/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360693	01/18/25	01/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360693	01/18/25	01/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360693	01/18/25	01/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360693	01/18/25	01/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

524063-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	100%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Toluene-d8	102%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Bromofluorobenzene	101%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	97%		%REC	80-120		1	360909	01/21/25	01/22/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.7**		mg/L	1.0	0.24	1	360623	01/17/25	01/17/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**130**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Alkalinity, Total as CaCO3	**160**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**650**		mg/L	20		2	360760	01/20/25	01/21/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

Sample ID: DW-14	Lab ID: 524063-002	Collected: 01/15/25 10:52
	Matrix: Water	

524063-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.37**		mg/L	0.20	0.040	1	360793	01/20/25 14:45	01/20/25 19:44	AJL
Chloride	**94**		mg/L	1.0	0.27	1	360536	01/16/25 15:50	01/16/25 20:10	JAA
Bromide	**0.15**	J	mg/L	0.30	0.060	1	360536	01/16/25 15:50	01/16/25 20:10	JAA
Nitrogen, Nitrate	**0.29**		mg/L	0.10	0.04	1	360536	01/16/25 15:50	01/16/25 20:10	JAA
Sulfate	**29**		mg/L	1.0	0.21	1	360536	01/16/25 15:50	01/16/25 20:10	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.13**		mg/L	0.050	0.0062	1	360528	01/16/25	01/16/25	CAP
Calcium	**2.6**		mg/L	0.57	0.57	1	360528	01/16/25	01/16/25	CAP
Iron	**0.32**		mg/L	0.041	0.041	1	360528	01/16/25	01/16/25	CAP
Magnesium	**0.23**		mg/L	0.10	0.025	1	360528	01/16/25	01/16/25	CAP
Manganese	**0.0033**	J	mg/L	0.010	0.0029	1	360528	01/16/25	01/16/25	CAP
Potassium	**0.60**		mg/L	0.50	0.42	1	360528	01/16/25	01/16/25	CAP
Sodium	**140**		mg/L	0.50	0.34	1	360528	01/16/25	01/16/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360693	01/18/25	01/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Acetone	ND		ug/L	100	21	1	360693	01/18/25	01/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	360693	01/18/25	01/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	360693	01/18/25	01/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

524063-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360693	01/18/25	01/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360693	01/18/25	01/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360693	01/18/25	01/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360693	01/18/25	01/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360693	01/18/25	01/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane-d4	99%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Toluene-d8	102%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Bromofluorobenzene	102%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 524063

524063-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	360909	01/21/25	01/22/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.24	1	360623	01/17/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**130**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**370**		mg/L	20		2	360760	01/20/25	01/21/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

Sample ID: DW-30	Lab ID: 524063-003	Collected: 01/15/25 11:59
	Matrix: Water	

524063-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.83**		mg/L	0.20	0.040	1	360793	01/20/25 14:45	01/20/25 21:50	AJL
Chloride	**58**		mg/L	1.0	0.27	1	360536	01/16/25 15:50	01/16/25 20:32	JAA
Bromide	**0.13**	J	mg/L	0.30	0.060	1	360536	01/16/25 15:50	01/16/25 20:32	JAA
Nitrogen, Nitrate	**0.18**		mg/L	0.10	0.04	1	360536	01/16/25 15:50	01/16/25 20:32	JAA
Sulfate	**300**		mg/L	10	2.1	10	360536	01/16/25 15:50	01/16/25 21:40	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0062	1	360528	01/16/25	01/16/25	CAP
Calcium	**37**		mg/L	0.57	0.57	1	360528	01/16/25	01/16/25	CAP
Iron	**0.091**		mg/L	0.041	0.041	1	360528	01/16/25	01/16/25	CAP
Magnesium	**5.8**		mg/L	0.10	0.025	1	360528	01/16/25	01/16/25	CAP
Manganese	**0.049**		mg/L	0.010	0.0029	1	360528	01/16/25	01/16/25	CAP
Potassium	**1.7**		mg/L	0.50	0.42	1	360528	01/16/25	01/16/25	CAP
Sodium	**190**		mg/L	0.50	0.34	1	360528	01/16/25	01/16/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360693	01/18/25	01/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Acetone	ND		ug/L	100	21	1	360693	01/18/25	01/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	360693	01/18/25	01/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	360693	01/18/25	01/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

524063-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360693	01/18/25	01/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360693	01/18/25	01/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Tetrachloroethene	**0.3**	J	ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360693	01/18/25	01/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360693	01/18/25	01/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360693	01/18/25	01/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane-d4	100%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Toluene-d8	102%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Bromofluorobenzene	102%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 524063

524063-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	360909	01/21/25	01/22/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.5**		mg/L	1.0	0.24	1	360623	01/17/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**700**		mg/L	20		2	360760	01/20/25	01/21/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

Sample ID: DW-15	Lab ID: 524063-004	Collected: 01/15/25 12:59
	Matrix: Water	

524063-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.088**	J	mg/L	0.20	0.040	1	360793	01/20/25 14:45	01/20/25 22:11	AJL
Chloride	**74**		mg/L	1.0	0.27	1	360536	01/16/25 15:50	01/16/25 22:02	AJL
Bromide	**0.16**	J	mg/L	0.30	0.060	1	360536	01/16/25 15:50	01/16/25 22:02	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.04	1	360536	01/16/25 15:50	01/16/25 22:02	AJL
Sulfate	**1,400**		mg/L	20	4.2	20	360536	01/16/25 15:50	01/16/25 22:25	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.11**		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.23**		mg/L	0.050	0.0062	1	360528	01/16/25	01/16/25	CAP
Calcium	**240**		mg/L	0.57	0.57	1	360528	01/16/25	01/16/25	CAP
Iron	**0.92**		mg/L	0.041	0.041	1	360528	01/16/25	01/16/25	CAP
Magnesium	**33**		mg/L	0.10	0.025	1	360528	01/16/25	01/16/25	CAP
Manganese	**0.62**		mg/L	0.010	0.0029	1	360528	01/16/25	01/16/25	CAP
Potassium	**3.0**		mg/L	0.50	0.42	1	360528	01/16/25	01/16/25	CAP
Sodium	**410**		mg/L	0.50	0.34	1	360528	01/16/25	01/16/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360693	01/18/25	01/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Acetone	ND		ug/L	100	21	1	360693	01/18/25	01/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	360693	01/18/25	01/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	360693	01/18/25	01/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 524063

524063-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360693	01/18/25	01/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360693	01/18/25	01/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360693	01/18/25	01/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360693	01/18/25	01/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,4-Dichlorobenzene	**0.2**	J	ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360693	01/18/25	01/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane-d4	101%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Toluene-d8	102%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 524063

524063-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	360909	01/21/25	01/22/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360588	01/17/25	01/17/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.8**		mg/L	1.0	0.24	1	360623	01/17/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**110**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Alkalinity, Total as CaCO3	**110**		mg/L	5.0		2.5	361389	01/27/25	01/27/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,300**		mg/L	20		2	360760	01/20/25	01/21/25	DXA

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 524063

Sample ID: QCFB	Lab ID: 524063-005	Collected: 01/15/25 13:02
	Matrix: Water	

524063-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360693	01/18/25	01/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Acetone	ND		ug/L	100	21	1	360693	01/18/25	01/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	360693	01/18/25	01/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	360693	01/18/25	01/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360693	01/18/25	01/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360693	01/18/25	01/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360693	01/18/25	01/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360693	01/18/25	01/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 524063

524063-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360693	01/18/25	01/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane-d4	99%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Toluene-d8	102%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Bromofluorobenzene	101%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

Sample ID: QCTB	Lab ID: 524063-006	Collected: 01/15/25
	Matrix: Water	

524063-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	360693	01/18/25	01/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Acetone	ND		ug/L	100	21	1	360693	01/18/25	01/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	360693	01/18/25	01/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	360693	01/18/25	01/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	360693	01/18/25	01/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	360693	01/18/25	01/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	360693	01/18/25	01/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	360693	01/18/25	01/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	360693	01/18/25	01/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	360693	01/18/25	01/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524063

524063-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360693	01/18/25	01/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360693	01/18/25	01/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360693	01/18/25	01/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	360693	01/18/25	01/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	360693	01/18/25	01/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
1,2-Dichloroethane-d4	98%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Toluene-d8	103%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB
Bromofluorobenzene	101%		%REC	70-130		1	360693	01/18/25	01/18/25	EJB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1220610**	**Batch:**	**360536**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220610 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	01/16/25 15:50	01/16/25 17:10
Bromide	ND		mg/L	0.30	0.060	01/16/25 15:50	01/16/25 17:10
Nitrogen, Nitrate	ND		mg/L	0.10	0.04	01/16/25 15:50	01/16/25 17:10
Sulfate	ND		mg/L	1.0	0.21	01/16/25 15:50	01/16/25 17:10

Type:	**Lab Control Sample**	**Lab ID:**	**QC1220611**	**Batch:**	**360536**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220611 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.56	50.00	mg/L	95%		90-110
Bromide	14.78	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.423	4.518	mg/L	98%		90-110
Sulfate	24.42	25.00	mg/L	98%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1220612**	**Batch:**	**360536**
Matrix (Source ID):	**Water (523995-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220612 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	193.4	96.91	100.0	mg/L	97%		80-120	1
Bromide	15.13	0.1634	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.398	0.3971	9.036	mg/L	100%		80-120	1
Sulfate	72.35	22.55	50.00	mg/L	100%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1220613**	**Batch:**	**360536**
Matrix (Source ID):	**Water (523995-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220613 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	192.5	96.91	100.0	mg/L	96%		80-120	1	20	1
Bromide	15.07	0.1634	15.00	mg/L	99%		80-120	0	20	1
Nitrogen, Nitrate	9.320	0.3971	9.036	mg/L	99%		80-120	1	20	1
Sulfate	71.86	22.55	50.00	mg/L	99%		80-120	1	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1220614**	**Batch:**	**360536**
Matrix (Source ID):	**Water (524159-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220614 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	176.6	79.18	100.0	mg/L	97%		80-120	1
Bromide	15.26	0.2535	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.310	0.3147	9.036	mg/L	100%		80-120	1
Sulfate	118.3	71.69	50.00	mg/L	93%	E	80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1220615	Batch:	360536
Matrix (Source ID):	Water (524159-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1220615 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	176.0	79.18	100.0	mg/L	97%		80-120	0	20	1
Bromide	15.14	0.2535	15.00	mg/L	99%		80-120	1	20	1
Nitrogen, Nitrate	9.250	0.3147	9.036	mg/L	99%		80-120	1	20	1
Sulfate	118.2	71.69	50.00	mg/L	93%	E	80-120		20	1

Type:	Blank	Lab ID:	QC1221495	Batch:	360793
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1221495 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.040	01/20/25 14:45	01/20/25 17:39

Type:	Lab Control Sample	Lab ID:	QC1221496	Batch:	360793
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1221496 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.148	10.00	mg/L	91%		90-110

Type:	Matrix Spike	Lab ID:	QC1221497	Batch:	360793
Matrix (Source ID):	Water (524045-005)	Method:	EPA 300.0	Prep Method:	METHOD

QC1221497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.19	0.04347	20.00	mg/L	96%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1221498	Batch:	360793
Matrix (Source ID):	Water (524045-005)	Method:	EPA 300.0	Prep Method:	METHOD

QC1221498 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.47	0.04347	20.00	mg/L	97%		80-120	1	20	1

Type:	Matrix Spike	Lab ID:	QC1221499	Batch:	360793
Matrix (Source ID):	Water (524063-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1221499 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.66	0.3667	20.00	mg/L	96%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1221500	Batch:	360793
Matrix (Source ID):	Water (524063-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1221500 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.00	0.3667	20.00	mg/L	98%		80-120	2	20	1

Type:	Lab Control Sample	Lab ID:	QC1221099	Batch:	360686
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1221099 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9456	1.000	mg/L	95%		90-110

Type:	Blank	Lab ID:	QC1221102	Batch:	360686
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1221102 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	01/18/25	01/20/25

Type:	Matrix Spike	Lab ID:	QC1221104	Batch:	360686
Matrix (Source ID):	Water (524063-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1221104 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9609	ND	1.000	mg/L	96%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1221105	Batch:	360686
Matrix (Source ID):	Water (524063-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1221105 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9335	ND	1.000	mg/L	93%		90-110	3	20	1

Type:	Blank	Lab ID:	QC1223508	Batch:	361364
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1223508 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	01/27/25	01/27/25

Type:	Lab Control Sample	Lab ID:	QC1223509	Batch:	361364
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1223509 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	105.0	100.0	mg/L	105%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1223510	Batch:	361364
Matrix (Source ID):	Water (524063-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1223510 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	105%		77-120	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1223511	Batch:	361364
Matrix (Source ID):	Water (524063-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1223511 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	105%		77-120	0	20	2

Type:	Blank	Lab ID:	QC1220581	Batch:	360528
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1220581 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	01/16/25	01/16/25
Calcium	ND		mg/L	0.57	0.57	01/16/25	01/16/25
Iron	ND		mg/L	0.041	0.041	01/16/25	01/16/25
Magnesium	ND		mg/L	0.10	0.025	01/16/25	01/16/25
Manganese	ND		mg/L	0.010	0.0029	01/16/25	01/16/25
Potassium	ND		mg/L	0.50	0.42	01/16/25	01/16/25
Sodium	ND		mg/L	0.50	0.34	01/16/25	01/16/25

Type:	Lab Control Sample	Lab ID:	QC1220582	Batch:	360528
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1220582 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3688	0.4000	mg/L	92%		80-120
Calcium	18.89	20.40	mg/L	93%		80-120
Iron	0.3682	0.4000	mg/L	92%		80-120
Magnesium	18.64	20.40	mg/L	91%		80-120
Manganese	0.3680	0.4000	mg/L	92%		80-120
Potassium	21.42	24.00	mg/L	89%		80-120
Sodium	18.56	20.40	mg/L	91%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1220583	Batch:	360528
Matrix (Source ID):	Water (524063-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1220583 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.4678	0.09194	0.4000	mg/L	94%		75-125	1
Calcium	23.85	4.870	20.40	mg/L	93%		75-125	1
Iron	0.3830	ND	0.4000	mg/L	96%		75-125	1
Magnesium	18.88	0.1330	20.40	mg/L	92%		75-125	1
Manganese	0.3702	ND	0.4000	mg/L	93%		75-125	1
Potassium	22.84	0.7417	24.00	mg/L	92%		75-125	1
Sodium	239.4	221.8	20.40	mg/L	86%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1220584	Batch:	360528
Matrix (Source ID):	Water (524063-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1220584 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.4596	0.09194	0.4000	mg/L	92%		75-125	2	20	1
Calcium	23.37	4.870	20.40	mg/L	91%		75-125	2	20	1
Iron	0.3758	ND	0.4000	mg/L	94%		75-125	2	20	1
Magnesium	18.43	0.1330	20.40	mg/L	90%		75-125	2	20	1
Manganese	0.3601	ND	0.4000	mg/L	90%		75-125	3	20	1
Potassium	22.32	0.7417	24.00	mg/L	90%		75-125	2	20	1
Sodium	237.1	221.8	20.40	mg/L	75%	NM	75-125	1	20	1

Type:	Lab Control Sample	Lab ID:	QC1221119	Batch:	360693
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221119 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.35	50.00	ug/L	87%		70-135
MTBE	43.07	50.00	ug/L	86%		70-130
Benzene	44.36	50.00	ug/L	89%		70-130
Trichloroethene	43.18	50.00	ug/L	86%		70-130
Toluene	44.02	50.00	ug/L	88%		70-130
Chlorobenzene	44.49	50.00	ug/L	89%		70-130
Surrogates						
Dibromofluoromethane	50.86	50.00	ug/L	102%		70-130
1,2-Dichloroethane-d4	50.98	50.00	ug/L	102%		70-130
Toluene-d8	49.06	50.00	ug/L	98%		70-130
Bromofluorobenzene	49.84	50.00	ug/L	100%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1221120**	**Batch:**	**360693**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1221120 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.25	50.00	ug/L	86%		70-135	0	30
MTBE	43.46	50.00	ug/L	87%		70-130	1	30
Benzene	44.86	50.00	ug/L	90%		70-130	1	30
Trichloroethene	45.41	50.00	ug/L	91%		70-130	5	30
Toluene	44.78	50.00	ug/L	90%		70-130	2	30
Chlorobenzene	45.48	50.00	ug/L	91%		70-130	2	30
Surrogates								
Dibromofluoromethane	50.11	50.00	ug/L	100%		70-130		
1,2-Dichloroethane-d4	49.52	50.00	ug/L	99%		70-130		
Toluene-d8	49.75	50.00	ug/L	100%		70-130		
Bromofluorobenzene	49.52	50.00	ug/L	99%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1221124	**Batch:** 360693	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1221124 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	01/18/25	01/18/25
Freon 12	ND		ug/L	5.0	0.2	01/18/25	01/18/25
Chloromethane	ND		ug/L	5.0	0.3	01/18/25	01/18/25
Vinyl Chloride	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Bromomethane	ND		ug/L	5.0	0.4	01/18/25	01/18/25
Chloroethane	ND		ug/L	5.0	0.3	01/18/25	01/18/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	01/18/25	01/18/25
Acetone	ND		ug/L	100	21	01/18/25	01/18/25
Freon 113	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	01/18/25	01/18/25
Methylene Chloride	ND		ug/L	5.0	2.4	01/18/25	01/18/25
MTBE	ND		ug/L	5.0	0.09	01/18/25	01/18/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	01/18/25	01/18/25
2-Butanone	ND		ug/L	100	1.7	01/18/25	01/18/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Chloroform	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Bromochloromethane	ND		ug/L	5.0	0.2	01/18/25	01/18/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	01/18/25	01/18/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	01/18/25	01/18/25
Benzene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Trichloroethene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Bromodichloromethane	ND		ug/L	5.0	0.08	01/18/25	01/18/25
Dibromomethane	ND		ug/L	5.0	0.2	01/18/25	01/18/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	01/18/25	01/18/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	01/18/25	01/18/25
Toluene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	01/18/25	01/18/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Tetrachloroethene	ND		ug/L	5.0	0.09	01/18/25	01/18/25
Dibromochloromethane	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	01/18/25	01/18/25
Chlorobenzene	ND		ug/L	5.0	0.09	01/18/25	01/18/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Ethylbenzene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
m,p-Xylenes	ND		ug/L	10	0.2	01/18/25	01/18/25
o-Xylene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Styrene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
Bromoform	ND		ug/L	5.0	0.2	01/18/25	01/18/25
Isopropylbenzene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	01/18/25	01/18/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	01/18/25	01/18/25

ENTHALPY ANALYTICAL

Batch QC

QC1221124 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
Bromobenzene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	01/18/25	01/18/25
n-Butylbenzene	ND		ug/L	5.0	0.4	01/18/25	01/18/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	01/18/25	01/18/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	01/18/25	01/18/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	01/18/25	01/18/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	01/18/25	01/18/25
Naphthalene	ND		ug/L	5.0	0.3	01/18/25	01/18/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	01/18/25	01/18/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	01/18/25	01/18/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	01/18/25	01/18/25
Xylene (total)	ND		ug/L	5.0		01/18/25	01/18/25
Surrogates				**Limits**			
Dibromofluoromethane	101%		%REC	70-130		01/18/25	01/18/25
1,2-Dichloroethane-d4	102%		%REC	70-130		01/18/25	01/18/25
Toluene-d8	101%		%REC	70-130		01/18/25	01/18/25
Bromofluorobenzene	102%		%REC	70-130		01/18/25	01/18/25

Type: Matrix Spike **Lab ID:** QC1221146 **Batch:** 360693
Matrix (Source ID): Water (524113-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1221146 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	58.43	4.488	50.00	ug/L	108%		70-130	1
MTBE	52.23	ND	50.00	ug/L	104%		75-130	1
Benzene	53.20	ND	50.00	ug/L	106%		70-130	1
Trichloroethene	92.91	41.05	50.00	ug/L	104%		63-130	1
Toluene	52.90	ND	50.00	ug/L	106%		70-130	1
Chlorobenzene	53.43	ND	50.00	ug/L	107%		70-130	1
Surrogates								
Dibromofluoromethane	50.13		50.00	ug/L	100%		70-130	1
1,2-Dichloroethane-d4	50.49		50.00	ug/L	101%		70-130	1
Toluene-d8	50.14		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	49.12		50.00	ug/L	98%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1221147	Batch:	360693
Matrix (Source ID):	Water (524113-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221147 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	55.85	4.488	50.00	ug/L	103%		70-130	5	30	1
MTBE	53.02	ND	50.00	ug/L	106%		75-130	1	30	1
Benzene	52.43	ND	50.00	ug/L	105%		70-130	1	30	1
Trichloroethene	90.24	41.05	50.00	ug/L	98%		63-130	3	30	1
Toluene	51.85	ND	50.00	ug/L	104%		70-130	2	30	1
Chlorobenzene	51.56	ND	50.00	ug/L	103%		70-130	4	30	1
Surrogates										
Dibromofluoromethane	50.04		50.00	ug/L	100%		70-130			1
1,2-Dichloroethane-d4	50.27		50.00	ug/L	101%		70-130			1
Toluene-d8	49.60		50.00	ug/L	99%		70-130			1
Bromofluorobenzene	49.23		50.00	ug/L	98%		70-130			1

Type:	Blank	Lab ID:	QC1221883	Batch:	360909
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1221883 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	01/21/25	01/22/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		01/21/25	01/22/25

Type:	Lab Control Sample	Lab ID:	QC1221884	Batch:	360909
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1221884 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.086	10.00	ug/L	91%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.864	10.00	ug/L	99%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1221885	Batch:	360909
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1221885 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.617	10.00	ug/L	96%		80-120	6	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.51	10.00	ug/L	105%		80-120		

Type:	Blank	Lab ID:	QC1220807	Batch:	360588
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1220807 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		01/17/25	01/17/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1220809 **Batch:** 360588
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1220809 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1220810 **Batch:** 360588
Matrix (Source ID): Water (523942-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1220810 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1220811 **Batch:** 360588
Matrix (Source ID): Water (523942-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1220811 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1220913 **Batch:** 360623
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1220913 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	01/17/25	01/17/25

Type: Lab Control Sample **Lab ID:** QC1220914 **Batch:** 360623
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1220914 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	29.05	25.00	mg/L	116%		80-120

Type: Matrix Spike **Lab ID:** QC1220915 **Batch:** 360623
Matrix (Source ID): Water (524082-004) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1220915 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	32.34	4.318	25.00	mg/L	112%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1220916 **Batch:** 360623
Matrix (Source ID): Water (524082-004) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1220916 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	32.11	4.318	25.00	mg/L	111%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1223581	Batch: 361389
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1223581 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		01/27/25	01/27/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		01/27/25	01/27/25

Type: Lab Control Sample	Lab ID: QC1223582	Batch: 361389
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1223582 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,069	1000	mg/L	107%		90-110

Type: Sample Duplicate	Lab ID: QC1223584	Batch: 361389
Matrix (Source ID): Drinking Water (524512-007)	Method: SM2320B	Prep Method: METHOD

QC1223584 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	126.8	131.0	mg/L		3	20	1
Alkalinity, Total as CaCO3	126.8	131.0	mg/L		3	20	1

Type: Blank	Lab ID: QC1221383	Batch: 360760
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1221383 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		01/20/25	01/21/25

Type: Lab Control Sample	Lab ID: QC1221384	Batch: 360760
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1221384 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	966.0	1000	mg/L	97%		90-110

Type: Sample Duplicate	Lab ID: QC1221385	Batch: 360760
Matrix (Source ID): Water (524063-001)	Method: SM2540C	Prep Method: METHOD

QC1221385 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	676.0	648.0	mg/L		4	5	2

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

Laboratory Job Number 524063

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2501944

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 058321
Project: EO-524063

Project Location:
Project Received: 01/17/2025

Analytical Report reviewed & approved for release on 01/28/2025 by:

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501944

Project: EO-524063

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501944

Project: EO-524063

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501944
Date Received:	01/17/2025 10:16	**Extraction Method:**	RSK175
Date Prepared:	01/22/2025	**Analytical Method:**	RSK175
Project:	EO-524063	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-17	2501944-001A	Water	01/15/2025 09:22	GC26 0122250804.D	310251

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**240**	50	50	1	01/22/2025 10:01

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-14	2501944-002A	Water	01/15/2025 10:52	GC26 0122250805.D	310251

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**410**	50	50	1	01/22/2025 10:12

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2501944-003A	Water	01/15/2025 11:59	GC26 0122250806.D	310251

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3300**	500	500	10	01/22/2025 10:39

Analyst(s): PRE

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501944
Date Received:	01/17/2025 10:16	**Extraction Method:**	RSK175
Date Prepared:	01/22/2025	**Analytical Method:**	RSK175
Project:	EO-524063	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-15	2501944-004A	Water	01/15/2025 12:59	GC26 0122250807.D	310251

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**15,000**	2500	2500	50	01/22/2025 11:03

Analyst(s): PRE

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501944
Date Prepared:	01/22/2025	**BatchID:**	310251
Date Analyzed:	01/22/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-524063	**Sample ID:**	MB/LCS/LCSD-310251

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	180	170	187.2	97	93	70-130	4.35	30

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2501944 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 058321
Project: EO-524063

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **01/17/2025**
Date Logged: **01/17/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2501944-001	DW-17	Water	1/15/2025 09:22	☐	A											
2501944-002	DW-14	Water	1/15/2025 10:52	☐	A											
2501944-003	DW-30	Water	1/15/2025 11:59	☐	A											
2501944-004	DW-15	Water	1/15/2025 12:59	☐	A											

Test Legend:

1	RSK175_CO2_W	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-524063 **Work Order:** 2501944
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-17	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/15/2025 9:22	5 days	1/27/2025	None	☐	☐
002A	DW-14	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/15/2025 10:52	5 days	1/27/2025	None	☐	☐
003A	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/15/2025 11:59	5 days	1/27/2025	None	☐	☐
004A	DW-15	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/15/2025 12:59	5 days	1/27/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

25019444

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-524063
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-17	15-JAN-2025 09:22	524063-001	3	Water	RSK-175 CO2	
DW-14	15-JAN-2025 10:52	524063-002	3	Water	RSK-175 CO2	
DW-30	15-JAN-2025 11:59	524063-003	3	Water	RSK-175 CO2	
DW-15	15-JAN-2025 12:59	524063-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Ventura EA-ORA	
	Date: 01/16/25 1715	Date:
		Emily Pa
	Date:	Date: 1/17/25 10:16
	Date:	Date:

GIS: 562522384

1.1 wet/blue IR30

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	1/17/2025 10:16
Project:	EO-524063	Date Logged:	1/17/2025
		Received by:	
WorkOrder №:	2501944 Matrix:	Logged by:	Emily Perez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET/BLU)			
Sample/Temp Blank temperature	Temp: 1.1°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 524157
Report Level : II
Report Date : 01/31/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	524157 GW MONITORING Chiquita Canyon Landfill 01/16/25

Sample ID	Lab ID	Collected	Matrix
DW-29	524157-001	01/16/25 09:18	Water
DW-31	524157-002	01/16/25 10:13	Water
DW-1	524157-003	01/16/25 11:06	Water
DW-16	524157-004	01/16/25 12:00	Water
DW-3	524157-005	01/16/25 12:56	Water
QCFB	524157-006	01/16/25 09:20	Water
QCTB	524157-007	01/16/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 524157 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 01/16/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 01/17/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for sulfate in the MSs/MSDs for batch 360626; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 524157

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide	
1	DW-29	1/16/25	918	W	13	var.	X	X	X	X	X	X	X	X	X	
2	DW-31	"	1013	"	"	"	X	X	X	X	X	X	X	X	X	
3	DW-1	"	1106	"	"	"	X	X	X	X	X	X	X	X	X	
4	DW-16	"	1200	"	"	"	X	X	X	X	X	X	X	X	X	
5	DW-3	"	1256	"	"	"	X	X	X	X	X	X	X	X	X	
6	QCFB	"	920	"	3	"	X									
7	QCTB	—	—	"	2	✓	X									
8																
9																
10																

Analysis Request

Test Instructions / Comments

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

.9 | 1.1

12 | 2-1 14-12

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Paul Chang	CEI	1.16.25 1415
1 Received By:		Jim Lin	EA·NH	1.16.25 1415
2 Relinquished By:		Jim Lin	EA·NH	1.17.25 0830
2 Received By:		Hrag B.	EA·NH	1/17/25 0830
3 Relinquished By:		Hrag B.	EA·NH	1/17/25 1248
3 Received By:		D. Sandler	EA	1/17/25 1420

D. Sandler EA 1/17/25 1525 Amalgia Smalkens 1/17/25 1525

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1·16·25 WO# _____ Client: Chiquita Canyon L.F

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Client Drop Off at LA Service Center

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1·16·25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2

Cooler Temp (°C) #1: ~~14.3~~ 14.1 #2: 13.6/13.4 #3: 12.8/12.6 #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info 17 GCK

Date Received: 1/16/25 WO# 524157 Client: Waste Connections

ENTHALPY

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Cmalh In NH

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/17/25 By (initials) DXS Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR12 CF: +0.2

Cooler Temp (°C) #1: 1.9 / 2.1 #2: 0.9 / 1.1 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 1/16/25 **By (print)** G Kim **(sign)** Gay

Date Labeled 1/17/25 **By (print)** Danny **(sign)** ____

ENTHALPY ANALYTICAL

Analysis Results for 524157

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 524157
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/16/25

Sample ID: DW-29 **Lab ID: 524157-001** **Collected: 01/16/25 09:18**
Matrix: Water

524157-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.44**		mg/L	0.20	0.040	1	360626	01/17/25 15:30	01/17/25 21:02	AJL
Chloride	**83**		mg/L	1.0	0.20	1	360626	01/17/25 15:30	01/17/25 21:02	AJL
Bromide	**0.33**		mg/L	0.30	0.065	1	360626	01/17/25 15:30	01/17/25 21:02	AJL
Nitrogen, Nitrate	**2.8**		mg/L	0.10	0.06	1	360626	01/17/25 15:30	01/17/25 21:02	AJL
Sulfate	**300**		mg/L	10	3.4	10	360626	01/17/25 15:30	01/17/25 21:22	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**8.0**		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.30**		mg/L	0.050	0.0062	1	360716	01/19/25	01/20/25	SBW
Calcium	**53**		mg/L	0.57	0.57	1	360716	01/19/25	01/20/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360716	01/19/25	01/20/25	SBW
Magnesium	**7.4**		mg/L	0.10	0.025	1	360716	01/19/25	01/20/25	SBW
Manganese	**0.095**		mg/L	0.010	0.0029	1	360716	01/19/25	01/20/25	SBW
Potassium	**1.2**		mg/L	0.50	0.42	1	360716	01/19/25	01/20/25	SBW
Sodium	**210**		mg/L	0.50	0.34	1	360716	01/19/25	01/20/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360741	01/20/25	01/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Acetone	ND		ug/L	100	44	1	360741	01/20/25	01/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	360741	01/20/25	01/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	360741	01/20/25	01/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360741	01/20/25	01/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	360741	01/20/25	01/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	360741	01/20/25	01/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360741	01/20/25	01/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360741	01/20/25	01/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360741	01/20/25	01/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	114%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Toluene-d8	99%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	360909	01/21/25	01/22/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360677	01/18/25	01/18/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**8.7**		mg/L	1.0	0.24	1	360669	01/18/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**250**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Alkalinity, Total as CaCO3	**250**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**810**		mg/L	20		2	361014	01/22/25	01/24/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

Sample ID: DW-31	Lab ID: 524157-002	Collected: 01/16/25 10:13
	Matrix: Water	

524157-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.18**	J	mg/L	0.20	0.040	1	360626	01/17/25 15:30	01/17/25 21:43	AJL
Chloride	**140**		mg/L	1.0	0.20	1	360626	01/17/25 15:30	01/17/25 21:43	AJL
Bromide	**0.59**		mg/L	0.30	0.065	1	360626	01/17/25 15:30	01/17/25 21:43	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	1	360626	01/17/25 15:30	01/17/25 21:43	AJL
Sulfate	**530**		mg/L	10	3.4	10	360626	01/17/25 15:30	01/17/25 22:04	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**21**		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.62**		mg/L	0.050	0.0062	1	360716	01/19/25	01/20/25	SBW
Calcium	**220**		mg/L	0.57	0.57	1	360716	01/19/25	01/20/25	SBW
Iron	**0.56**		mg/L	0.041	0.041	1	360716	01/19/25	01/20/25	SBW
Magnesium	**40**		mg/L	0.10	0.025	1	360716	01/19/25	01/20/25	SBW
Manganese	**0.86**		mg/L	0.010	0.0029	1	360716	01/19/25	01/20/25	SBW
Potassium	**1.8**		mg/L	0.50	0.42	1	360716	01/19/25	01/20/25	SBW
Sodium	**150**		mg/L	0.50	0.34	1	360716	01/19/25	01/20/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360741	01/20/25	01/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Acetone	ND		ug/L	100	44	1	360741	01/20/25	01/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	360741	01/20/25	01/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	360741	01/20/25	01/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane	**0.2**	J	ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360741	01/20/25	01/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	360741	01/20/25	01/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	360741	01/20/25	01/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360741	01/20/25	01/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360741	01/20/25	01/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360741	01/20/25	01/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane-d4	111%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Toluene-d8	103%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 524157

524157-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**4.2**		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	360909	01/21/25	01/22/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360677	01/18/25	01/18/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**30**		mg/L	1.0	0.24	1	360669	01/18/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**430**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Alkalinity, Total as CaCO3	**430**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	361014	01/22/25	01/24/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

Sample ID: DW-1	Lab ID: 524157-003	Collected: 01/16/25 11:06
	Matrix: Water	

524157-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.78**		mg/L	0.20	0.040	1	360626	01/17/25 15:30	01/17/25 22:25	AJL
Chloride	**110**		mg/L	1.0	0.20	1	360626	01/17/25 15:30	01/17/25 22:25	AJL
Bromide	**0.25**	J	mg/L	0.30	0.065	1	360626	01/17/25 15:30	01/17/25 22:25	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	1	360626	01/17/25 15:30	01/17/25 22:25	AJL
Sulfate	**330**		mg/L	10	3.4	10	360626	01/17/25 15:30	01/17/25 22:46	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0062	1	360716	01/19/25	01/20/25	SBW
Calcium	**50**		mg/L	0.57	0.57	1	360716	01/19/25	01/20/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360716	01/19/25	01/20/25	SBW
Magnesium	**9.0**		mg/L	0.10	0.025	1	360716	01/19/25	01/20/25	SBW
Manganese	**0.041**		mg/L	0.010	0.0029	1	360716	01/19/25	01/20/25	SBW
Potassium	**2.2**		mg/L	0.50	0.42	1	360716	01/19/25	01/20/25	SBW
Sodium	**200**		mg/L	0.50	0.34	1	360716	01/19/25	01/20/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360741	01/20/25	01/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Acetone	ND		ug/L	100	44	1	360741	01/20/25	01/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	360741	01/20/25	01/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethane	**0.2**	J	ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	360741	01/20/25	01/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360741	01/20/25	01/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Tetrachloroethene	**0.3**	J	ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	360741	01/20/25	01/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	360741	01/20/25	01/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360741	01/20/25	01/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360741	01/20/25	01/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360741	01/20/25	01/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane-d4	107%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Toluene-d8	99%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 524157

524157-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	360909	01/21/25	01/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360677	01/18/25	01/18/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**3.9**		mg/L	1.0	0.24	1	360669	01/18/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**180**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**800**		mg/L	20		2	361014	01/22/25	01/24/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

Sample ID: DW-16	Lab ID: 524157-004	Collected: 01/16/25 12:00
	Matrix: Water	

524157-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.39**		mg/L	0.20	0.040	1	360626	01/17/25 15:30	01/17/25 23:07	AJL
Chloride	**100**		mg/L	1.0	0.20	1	360626	01/17/25 15:30	01/17/25 23:07	AJL
Bromide	**0.25**	J	mg/L	0.30	0.065	1	360626	01/17/25 15:30	01/17/25 23:07	AJL
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.06	1	360626	01/17/25 15:30	01/17/25 23:07	AJL
Sulfate	**180**		mg/L	10	3.4	10	360626	01/17/25 15:30	01/17/25 23:28	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.13**		mg/L	0.050	0.0062	1	360716	01/19/25	01/20/25	SBW
Calcium	**6.6**		mg/L	0.57	0.57	1	360716	01/19/25	01/20/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360716	01/19/25	01/20/25	SBW
Magnesium	**0.37**		mg/L	0.10	0.025	1	360716	01/19/25	01/20/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	360716	01/19/25	01/20/25	SBW
Potassium	**0.81**		mg/L	0.50	0.42	1	360716	01/19/25	01/20/25	SBW
Sodium	**230**		mg/L	0.50	0.34	1	360716	01/19/25	01/20/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360741	01/20/25	01/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Acetone	ND		ug/L	100	44	1	360741	01/20/25	01/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	360741	01/20/25	01/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethane	**1.2**	J	ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	360741	01/20/25	01/20/25	ZST
cis-1,2-Dichloroethene	**0.7**	J	ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroform	**0.2**	J	ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	**0.2**	J	ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Trichloroethene	**0.7**	J	ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360741	01/20/25	01/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Tetrachloroethene	**0.8**	J	ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	360741	01/20/25	01/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	360741	01/20/25	01/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,4-Dichlorobenzene	**0.3**	J	ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360741	01/20/25	01/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360741	01/20/25	01/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360741	01/20/25	01/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Toluene-d8	101%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 524157

524157-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	360909	01/21/25	01/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360677	01/18/25	01/18/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**5.5**		mg/L	1.0	0.24	1	360669	01/18/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**220**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Alkalinity, Total as CaCO3	**240**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**700**		mg/L	20		2	361014	01/22/25	01/24/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

Sample ID: DW-3	Lab ID: 524157-005	Collected: 01/16/25 12:56
	Matrix: Water	

524157-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.61**		mg/L	0.20	0.040	1	360626	01/17/25 15:30	01/17/25 23:49	AJL
Chloride	**58**		mg/L	1.0	0.20	1	360626	01/17/25 15:30	01/17/25 23:49	AJL
Bromide	**0.19**	J	mg/L	0.30	0.065	1	360626	01/17/25 15:30	01/17/25 23:49	AJL
Nitrogen, Nitrate	**1.8**		mg/L	0.10	0.06	1	360626	01/17/25 15:30	01/17/25 23:49	AJL
Sulfate	**100**		mg/L	10	3.4	10	360626	01/17/25 15:30	01/18/25 00:10	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	360686	01/18/25	01/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	361364	01/27/25	01/27/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.26**		mg/L	0.050	0.0062	1	360716	01/19/25	01/20/25	SBW
Calcium	**32**		mg/L	0.57	0.57	1	360716	01/19/25	01/20/25	SBW
Iron	ND		mg/L	0.041	0.041	1	360716	01/19/25	01/20/25	SBW
Magnesium	**3.9**		mg/L	0.10	0.025	1	360716	01/19/25	01/20/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	360716	01/19/25	01/20/25	SBW
Potassium	**1.4**		mg/L	0.50	0.42	1	360716	01/19/25	01/20/25	SBW
Sodium	**110**		mg/L	0.50	0.34	1	360716	01/19/25	01/20/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Freon 12	**5.2**		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360741	01/20/25	01/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Acetone	ND		ug/L	100	44	1	360741	01/20/25	01/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	360741	01/20/25	01/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethane	**0.3**	J	ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	360741	01/20/25	01/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360741	01/20/25	01/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Tetrachloroethene	**1.1**	J	ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	360741	01/20/25	01/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	360741	01/20/25	01/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360741	01/20/25	01/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360741	01/20/25	01/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360741	01/20/25	01/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane-d4	104%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Toluene-d8	100%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 524157

524157-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	360909	01/21/25	01/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	360909	01/21/25	01/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	360677	01/18/25	01/18/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**3.9**		mg/L	1.0	0.24	1	360669	01/18/25	01/18/25	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**180**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	360907	01/21/25	01/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**420**		mg/L	20		2	361014	01/22/25	01/24/25	DXA

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 524157

Sample ID: QCFB	Lab ID: 524157-006	Collected: 01/16/25 09:20
	Matrix: Water	

524157-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360741	01/20/25	01/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Acetone	ND		ug/L	100	44	1	360741	01/20/25	01/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	360741	01/20/25	01/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	360741	01/20/25	01/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360741	01/20/25	01/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	360741	01/20/25	01/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	360741	01/20/25	01/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360741	01/20/25	01/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360741	01/20/25	01/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360741	01/20/25	01/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Toluene-d8	98%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 524157

Sample ID: QCTB	Lab ID: 524157-007	Collected: 01/16/25
	Matrix: Water	

524157-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360741	01/20/25	01/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Acetone	ND		ug/L	100	44	1	360741	01/20/25	01/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	360741	01/20/25	01/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	360741	01/20/25	01/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	360741	01/20/25	01/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	360741	01/20/25	01/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	360741	01/20/25	01/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524157

524157-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	360741	01/20/25	01/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360741	01/20/25	01/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	360741	01/20/25	01/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	360741	01/20/25	01/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	360741	01/20/25	01/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	360741	01/20/25	01/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	360741	01/20/25	01/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	360741	01/20/25	01/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	360741	01/20/25	01/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360741	01/20/25	01/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
1,2-Dichloroethane-d4	102%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Toluene-d8	99%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST
Bromofluorobenzene	100%		%REC	70-130		1	360741	01/20/25	01/20/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1220920**	**Batch:**	**360626**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220920 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.040	01/17/25 15:30	01/17/25 16:51
Chloride	ND		mg/L	1.0	0.20	01/17/25 15:30	01/17/25 16:51
Bromide	ND		mg/L	0.30	0.065	01/17/25 15:30	01/17/25 16:51
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	01/17/25 15:30	01/17/25 16:51
Sulfate	ND		mg/L	1.0	0.34	01/17/25 15:30	01/17/25 16:51

Type:	**Lab Control Sample**	**Lab ID:**	**QC1220921**	**Batch:**	**360626**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220921 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.366	10.00	mg/L	94%		90-110
Chloride	47.63	50.00	mg/L	95%		90-110
Bromide	14.79	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.426	4.518	mg/L	98%		90-110
Sulfate	24.39	25.00	mg/L	98%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1220922**	**Batch:**	**360626**
Matrix (Source ID):	**Drinking Water (524186-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220922 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.52	0.2423	20.00	mg/L	96%		80-120	1
Chloride	143.6	46.50	100.0	mg/L	97%		80-120	1
Bromide	14.63	0.1759	15.00	mg/L	96%		80-120	1
Nitrogen, Nitrate	8.759	0.08402	9.036	mg/L	96%		80-120	1
Sulfate	117.5	72.67	50.00	mg/L	90%	E	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1220923**	**Batch:**	**360626**
Matrix (Source ID):	**Drinking Water (524186-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220923 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.42	0.2423	20.00	mg/L	96%		80-120	1	20	1
Chloride	143.3	46.50	100.0	mg/L	97%		80-120	0	20	1
Bromide	14.53	0.1759	15.00	mg/L	96%		80-120	1	20	1
Nitrogen, Nitrate	8.684	0.08402	9.036	mg/L	95%		80-120	1	20	1
Sulfate	117.2	72.67	50.00	mg/L	89%	E	80-120		20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1220924	Batch:	360626
Matrix (Source ID):	Drinking Water (524187-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1220924 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.31	0.2433	20.00	mg/L	105%		80-120	1
Chloride	149.4	46.36	100.0	mg/L	103%		80-120	1
Bromide	15.39	0.1685	15.00	mg/L	101%		80-120	1
Nitrogen, Nitrate	9.311	0.07941	9.036	mg/L	102%		80-120	1
Sulfate	124.0	72.66	50.00	mg/L	103%	E	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1220925	Batch:	360626
Matrix (Source ID):	Drinking Water (524187-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1220925 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.36	0.2433	20.00	mg/L	96%		80-120	10	20	1
Chloride	142.9	46.36	100.0	mg/L	97%		80-120	4	20	1
Bromide	14.52	0.1685	15.00	mg/L	96%		80-120	6	20	1
Nitrogen, Nitrate	8.690	0.07941	9.036	mg/L	95%		80-120	7	20	1
Sulfate	117.2	72.66	50.00	mg/L	89%	E	80-120		20	1

Type:	Lab Control Sample	Lab ID:	QC1221099	Batch:	360686
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1221099 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9456	1.000	mg/L	95%		90-110

Type:	Blank	Lab ID:	QC1221102	Batch:	360686
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1221102 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	01/18/25	01/20/25

Type:	Matrix Spike	Lab ID:	QC1221104	Batch:	360686
Matrix (Source ID):	Water (524063-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1221104 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9609	ND	1.000	mg/L	96%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1221105**
Batch:	**360686**		
Matrix (Source ID):	**Water (524063-001)**	**Method:**	**EPA 350.1**
Prep Method:	**METHOD**		

QC1221105 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9335	ND	1.000	mg/L	93%		90-110	3	20	1

Type:	**Blank**	**Lab ID:**	**QC1223508**
Batch:	**361364**		
Matrix:	**Water**	**Method:**	**EPA 410.4**
Prep Method:	**METHOD**		

QC1223508 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	01/27/25	01/27/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1223509**
Batch:	**361364**		
Matrix:	**Water**	**Method:**	**EPA 410.4**
Prep Method:	**METHOD**		

QC1223509 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	105.0	100.0	mg/L	105%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1223510**
Batch:	**361364**		
Matrix (Source ID):	**Water (524063-001)**	**Method:**	**EPA 410.4**
Prep Method:	**METHOD**		

QC1223510 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	105%		77-120	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1223511**
Batch:	**361364**		
Matrix (Source ID):	**Water (524063-001)**	**Method:**	**EPA 410.4**
Prep Method:	**METHOD**		

QC1223511 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	105%		77-120	0	20	2

Type:	**Blank**	**Lab ID:**	**QC1221213**
Batch:	**360716**		
Matrix:	**Water**	**Method:**	**EPA 6010B**
Prep Method:	**EPA 3015A**		

QC1221213 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	01/19/25	01/20/25
Calcium	ND		mg/L	0.57	0.57	01/19/25	01/20/25
Iron	ND		mg/L	0.041	0.041	01/19/25	01/20/25
Magnesium	ND		mg/L	0.10	0.025	01/19/25	01/20/25
Manganese	ND		mg/L	0.010	0.0029	01/19/25	01/20/25
Potassium	ND		mg/L	0.50	0.42	01/19/25	01/20/25
Sodium	ND		mg/L	0.50	0.34	01/19/25	01/20/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1221214	Batch: 360716
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1221214 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3482	0.4000	mg/L	87%		80-120
Calcium	18.24	20.40	mg/L	89%		80-120
Iron	0.3572	0.4000	mg/L	89%		80-120
Magnesium	18.24	20.40	mg/L	89%		80-120
Manganese	0.3628	0.4000	mg/L	91%		80-120
Potassium	20.85	24.00	mg/L	87%		80-120
Sodium	17.97	20.40	mg/L	88%		80-120

Type: Matrix Spike	Lab ID: QC1221215	Batch: 360716
Matrix (Source ID): Water (524157-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1221215 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6545	0.3015	0.4000	mg/L	88%		75-125	1
Calcium	70.47	53.25	20.40	mg/L	84%		75-125	1
Iron	0.3748	ND	0.4000	mg/L	94%		75-125	1
Magnesium	25.30	7.390	20.40	mg/L	88%		75-125	1
Manganese	0.4605	0.09550	0.4000	mg/L	91%		75-125	1
Potassium	22.56	1.240	24.00	mg/L	89%		75-125	1
Sodium	225.2	210.2	20.40	mg/L	74%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1221216	Batch: 360716
Matrix (Source ID): Water (524157-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1221216 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6572	0.3015	0.4000	mg/L	89%		75-125	0	20	1
Calcium	70.47	53.25	20.40	mg/L	84%		75-125	0	20	1
Iron	0.3695	ND	0.4000	mg/L	92%		75-125	1	20	1
Magnesium	25.37	7.390	20.40	mg/L	88%		75-125	0	20	1
Manganese	0.4525	0.09550	0.4000	mg/L	89%		75-125	2	20	1
Potassium	22.63	1.240	24.00	mg/L	89%		75-125	0	20	1
Sodium	225.4	210.2	20.40	mg/L	74%	NM	75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Serial Dilution**	**Lab ID:**	**QC1221349**	**Batch:**	**360716**
Matrix (Source ID):	**Water (524157-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1221349 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.3134	0.3015	mg/L				5
Calcium	54.41	53.25	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	7.565	7.390	mg/L				5
Manganese	0.09604	0.09550	mg/L				5
Potassium	ND	1.240	mg/L				5
Sodium	215.8	210.2	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1221300	**Batch:** 360741	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1221300 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	01/20/25	01/20/25
Freon 12	ND		ug/L	5.0	0.3	01/20/25	01/20/25
Chloromethane	ND		ug/L	5.0	0.4	01/20/25	01/20/25
Vinyl Chloride	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Bromomethane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Chloroethane	ND		ug/L	5.0	0.3	01/20/25	01/20/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Acetone	ND		ug/L	100	44	01/20/25	01/20/25
Freon 113	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Methylene Chloride	ND		ug/L	5.0	3.5	01/20/25	01/20/25
MTBE	ND		ug/L	5.0	0.1	01/20/25	01/20/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	01/20/25	01/20/25
2-Butanone	ND		ug/L	100	2.3	01/20/25	01/20/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Chloroform	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Bromochloromethane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	01/20/25	01/20/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Benzene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Trichloroethene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Bromodichloromethane	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Dibromomethane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	01/20/25	01/20/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Toluene	ND		ug/L	5.0	0.3	01/20/25	01/20/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Tetrachloroethene	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Dibromochloromethane	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	01/20/25	01/20/25
Chlorobenzene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Ethylbenzene	ND		ug/L	5.0	0.07	01/20/25	01/20/25
m,p-Xylenes	ND		ug/L	10	0.1	01/20/25	01/20/25
o-Xylene	ND		ug/L	5.0	0.09	01/20/25	01/20/25
Styrene	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Bromoform	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Isopropylbenzene	ND		ug/L	5.0	0.09	01/20/25	01/20/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	01/20/25	01/20/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	01/20/25	01/20/25

ENTHALPY ANALYTICAL

Batch QC

QC1221300 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	01/20/25	01/20/25
Bromobenzene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	01/20/25	01/20/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	01/20/25	01/20/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	01/20/25	01/20/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	01/20/25	01/20/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	01/20/25	01/20/25
n-Butylbenzene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	01/20/25	01/20/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	01/20/25	01/20/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	01/20/25	01/20/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	01/20/25	01/20/25
Naphthalene	ND		ug/L	5.0	0.5	01/20/25	01/20/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	01/20/25	01/20/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	01/20/25	01/20/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	01/20/25	01/20/25
Xylene (total)	ND		ug/L	5.0		01/20/25	01/20/25
Surrogates				**Limits**			
Dibromofluoromethane	104%		%REC	70-130		01/20/25	01/20/25
1,2-Dichloroethane-d4	109%		%REC	70-130		01/20/25	01/20/25
Toluene-d8	99%		%REC	70-130		01/20/25	01/20/25
Bromofluorobenzene	99%		%REC	70-130		01/20/25	01/20/25

Type: Lab Control Sample **Lab ID:** QC1221399 **Batch:** 360741
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1221399 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	58.15	50.00	ug/L	116%		70-135
MTBE	51.15	50.00	ug/L	102%		70-130
Benzene	55.32	50.00	ug/L	111%		70-130
Trichloroethene	56.15	50.00	ug/L	112%		70-130
Toluene	55.24	50.00	ug/L	110%		70-130
Chlorobenzene	56.13	50.00	ug/L	112%		70-130
Surrogates						
Dibromofluoromethane	50.73	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	50.10	50.00	ug/L	100%		70-130
Toluene-d8	49.71	50.00	ug/L	99%		70-130
Bromofluorobenzene	48.53	50.00	ug/L	97%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1221400	Batch:	360741
Matrix (Source ID):	Water (524157-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221400 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	49.01	ND	50.00	ug/L	98%		70-130	1
MTBE	49.39	ND	50.00	ug/L	99%		75-130	1
Benzene	49.74	ND	50.00	ug/L	99%		70-130	1
Trichloroethene	50.40	ND	50.00	ug/L	101%		63-130	1
Toluene	49.39	ND	50.00	ug/L	99%		70-130	1
Chlorobenzene	50.12	ND	50.00	ug/L	100%		70-130	1
Surrogates								
Dibromofluoromethane	50.19		50.00	ug/L	100%		70-130	1
1,2-Dichloroethane-d4	50.79		50.00	ug/L	102%		70-130	1
Toluene-d8	49.77		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	48.59		50.00	ug/L	97%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1221401	Batch:	360741
Matrix (Source ID):	Water (524157-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221401 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	39.70	ND	50.00	ug/L	79%		70-130	21	30	1
MTBE	44.61	ND	50.00	ug/L	89%		75-130	10	30	1
Benzene	41.12	ND	50.00	ug/L	82%		70-130	19	30	1
Trichloroethene	40.86	ND	50.00	ug/L	82%		63-130	21	30	1
Toluene	40.57	ND	50.00	ug/L	81%		70-130	20	30	1
Chlorobenzene	42.07	ND	50.00	ug/L	84%		70-130	17	30	1
Surrogates										
Dibromofluoromethane	49.69		50.00	ug/L	99%		70-130			1
1,2-Dichloroethane-d4	55.12		50.00	ug/L	110%		70-130			1
Toluene-d8	49.10		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	48.82		50.00	ug/L	98%		70-130			1

Type:	Blank	Lab ID:	QC1221883	Batch:	360909
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1221883 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	01/21/25	01/22/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		01/21/25	01/22/25

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1221884**	**Batch:**	**360909**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3535**

QC1221884 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.086	10.00	ug/L	91%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.864	10.00	ug/L	99%		80-120

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1221885**	**Batch:**	**360909**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3535**

QC1221885 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.617	10.00	ug/L	96%		80-120	6	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.51	10.00	ug/L	105%		80-120		

Type:	**Blank**	**Lab ID:**	**QC1221068**	**Batch:**	**360677**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1221068 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		01/18/25	01/18/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1221069**	**Batch:**	**360677**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1221069 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1221336**	**Batch:**	**360677**
Matrix (Source ID):	**Water (524157-001)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1221336 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1221337**	**Batch:**	**360677**
Matrix (Source ID):	**Water (524157-001)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1221337 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1221041	Batch: 360669
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1221041 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	01/18/25	01/18/25

Type: Lab Control Sample	Lab ID: QC1221042	Batch: 360669
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1221042 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	25.71	25.00	mg/L	103%		80-120

Type: Matrix Spike	Lab ID: QC1221043	Batch: 360669
Matrix (Source ID): Water (524157-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1221043 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	36.50	8.685	25.00	mg/L	111%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1221044	Batch: 360669
Matrix (Source ID): Water (524157-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1221044 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	36.22	8.685	25.00	mg/L	110%		80-120	1	20	1

Type: Blank	Lab ID: QC1221878	Batch: 360907
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1221878 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		01/21/25	01/21/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		01/21/25	01/21/25

Type: Lab Control Sample	Lab ID: QC1221879	Batch: 360907
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1221879 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	977.5	1000	mg/L	98%		90-110

Type: Sample Duplicate	Lab ID: QC1221880	Batch: 360907
Matrix (Source ID): Water (524211-004)	Method: SM2320B	Prep Method: METHOD

QC1221880 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	29.36	28.42	mg/L		3	20	1
Alkalinity, Total as CaCO3	29.36	28.42	mg/L		3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1222278**	**Batch: 361014**
Matrix: Water	**Method: SM2540C**	**Prep Method: METHOD**

QC1222278 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		01/22/25	01/24/25

Type: Lab Control Sample	**Lab ID: QC1222279**	**Batch: 361014**
Matrix: Water	**Method: SM2540C**	**Prep Method: METHOD**

QC1222279 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	982.0	1000	mg/L	98%		90-110

Type: Sample Duplicate	**Lab ID: QC1222280**	**Batch: 361014**
Matrix (Source ID): Water (524157-001)	**Method: SM2540C**	**Prep Method: METHOD**

QC1222280 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	836.0	814.0	mg/L		3	5	2

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

Laboratory Job Number 524157

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2501A40

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 058321
Project: EO-524157

Project Location:
Project Received: 01/21/2025

Analytical Report reviewed & approved for release on 01/28/2025 by:

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501A40

Project: EO-524157

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2501A40

Project: EO-524157

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501A40
Date Received:	01/21/2025 10:17	**Extraction Method:**	RSK175
Date Prepared:	01/23/2025	**Analytical Method:**	RSK175
Project:	EO-524157	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2501A40-001A	Water	01/16/2025 09:18	GC26 0123251204.D	310250

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**7800**	500	500	10	01/23/2025 13:51

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2501A40-002A	Water	01/16/2025 10:13	GC26 0123251205.D	310250

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**43,000**	5000	5000	100	01/23/2025 14:09

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2501A40-003A	Water	01/16/2025 11:06	GC26 0123251206.D	310250

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2300**	100	100	2	01/23/2025 14:49

Analyst(s): PRE

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501A40
Date Received:	01/21/2025 10:17	**Extraction Method:**	RSK175
Date Prepared:	01/23/2025	**Analytical Method:**	RSK175
Project:	EO-524157	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-16	2501A40-004A	Water	01/16/2025 12:00	GC26 0123251207.D	310250

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1200**	100	100	2	01/23/2025 15:12

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-3	2501A40-005A	Water	01/16/2025 12:56	GC26 0123251208.D	310250

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3100**	100	100	2	01/23/2025 15:23

Analyst(s): PRE

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2501A40
Date Prepared:	01/23/2025	**BatchID:**	310250
Date Analyzed:	01/23/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-524157	**Sample ID:**	MB/LCS/LCSD-310250

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	190	160	187.2	99	86	70-130	14.9	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2501A40 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 058321
Project: EO-524157

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **01/21/2025**
Date Logged: **01/21/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2501A40-001	DW-29	Water	1/16/2025 09:18	☐	A											
2501A40-002	DW-31	Water	1/16/2025 10:13	☐	A											
2501A40-003	DW-1	Water	1/16/2025 11:06	☐	A											
2501A40-004	DW-16	Water	1/16/2025 12:00	☐	A											
2501A40-005	DW-3	Water	1/16/2025 12:56	☐	A											

Test Legend:

1	RSK175_CO2_W	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-524157 **Work Order:** 2501A40
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/21/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-29	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/16/2025 9:18	5 days	1/28/2025	Present	☐	☐
002A	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/16/2025 10:13	5 days	1/28/2025	Present	☐	☐
003A	DW-1	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/16/2025 11:06	5 days	1/28/2025	None	☐	☐
004A	DW-16	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/16/2025 12:00	5 days	1/28/2025	None	☐	☐
005A	DW-3	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	1/16/2025 12:56	5 days	1/28/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

2501A40

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-524157
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-29	16-JAN-2025 09:18	524157-001	3	Water	RSK-175 CO2	
DW-31	16-JAN-2025 10:13	524157-002	3	Water	RSK-175 CO2	
DW-1	16-JAN-2025 11:06	524157-003	3	Water	RSK-175 CO2	
DW-16	16-JAN-2025 12:00	524157-004	3	Water	RSK-175 CO2	
DW-3	16-JAN-2025 12:56	524157-005	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Tris Kelly	
	Date: 1/20/25	Date: 1.21.25 1017
	Date:	Date:
	Date:	Date:

4.7 wt IR39

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-524157

Date and Time Received: 1/21/2025 10:17
Date Logged: 1/21/2025
Received by: Adrianna Cardoza
Logged by: Adrianna Cardoza

WorkOrder №: 2501A40 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☑	No	☐	NA	☐
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.7°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525910
Report Level : II
Report Date : 02/25/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	525910 GW MONITORING Chiquita Canyon Landfill 02/10/25

Sample ID	Lab ID	Collected	Matrix
DW-14	525910-001	02/10/25 09:13	Water
DW-17	525910-002	02/10/25 10:42	Water
DW-30	525910-003	02/10/25 11:58	Water
DW-15	525910-004	02/10/25 12:49	Water
QCFB	525910-005	02/10/25 12:00	Water
QCTB	525910-006	02/10/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 525910 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 02/10/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 02/11/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for trichloroethene in the MS/MSD for batch 363206; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- N-butylbenzene, 1,2,4-trichlorobenzene, and 1,2,4-trimethylbenzene were detected between the MDL and the RL in the method blank for batch 362645; these analytes were not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 525910

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments: Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-14	2/10/25	913	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-17		1042				X	X	X	X	X	X	X	X	X
3	DW-30		1158				X	X	X	X	X	X	X	X	X
4	DW-15		1249				X	X	X	X	X	X	X	X	X
5	QCFB		1200		3		X								
6	QCTB	—	—		2		X								
7															
8															
9															
10															

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	2/10/25 1355
[1] Received By:		Rene C.	EA NH	2/10/25 1355
[2] Relinquished By:		Rene C.	EA NH	2/11/25 10:23
[2] Received By:		Hao Mao	EA	2/11/25 10:23
[3] Relinquished By:		Hao Mao	EA	2/11/25 11:00
[3] Received By:		G. Kim	EA	2/11/25 1100

IR11 4.5 / 4.6

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2·10·25 WO# 525910 Client: Chiquita Canyon

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2·10·25 By (initials) JWL Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR03 CF: -0.2C -0.7C

Cooler Temp (°C) #1: 15.5 / 14.8 #2: 15.2 / 14.5 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm? GCK	X		✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 2/10/25 **By (print)** AES **(sign)** ____

Date Labeled 2/11/25 **By (print)** DEP / NCM **(sign)** ____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/11/25 WO# 525910 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/11/25 By (initials) HNT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 4.5/4.6 #2: _____/_____ #3: _____/_____ #4: _____/_____ #5: _____/_____ #6: _____/_____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 2/10/25 **By (print)** AES **(sign)** _____

Date Labeled 2/11/25 **By (print)** DEP/NCM **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 525910

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525910
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/10/25

Sample ID: DW-14 **Lab ID: 525910-001** **Collected: 02/10/25 09:13**
Matrix: Water

525910-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.39**		mg/L	0.20	0.073	1	362706	02/11/25 15:00	02/11/25 22:23	KUM
Chloride	**94**		mg/L	1.0	0.27	1	362706	02/11/25 15:00	02/11/25 22:23	KUM
Bromide	**0.12**	J	mg/L	0.30	0.060	1	362706	02/11/25 15:00	02/11/25 22:23	KUM
Nitrogen, Nitrate	**0.32**		mg/L	0.10	0.05	1	362706	02/11/25 15:00	02/11/25 22:23	KUM
Sulfate	**30**		mg/L	1.0	0.18	1	362706	02/11/25 15:00	02/11/25 22:23	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	363789	02/21/25	02/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363182	02/15/25	02/15/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.11**		mg/L	0.050	0.0055	1	362734	02/11/25	02/11/25	SBW
Calcium	**2.4**		mg/L	0.57	0.57	1	362734	02/11/25	02/11/25	SBW
Iron	**0.13**		mg/L	0.046	0.046	1	362734	02/11/25	02/11/25	SBW
Magnesium	**0.16**		mg/L	0.10	0.025	1	362734	02/11/25	02/11/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	362734	02/11/25	02/11/25	SBW
Potassium	**0.45**	J	mg/L	0.50	0.40	1	362734	02/11/25	02/11/25	SBW
Sodium	**140**		mg/L	0.50	0.35	1	362734	02/11/25	02/11/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	363206	02/16/25	02/16/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	363206	02/16/25	02/16/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	363206	02/16/25	02/16/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Acetone	ND		ug/L	100	16	1	363206	02/16/25	02/16/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	363206	02/16/25	02/16/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	363206	02/16/25	02/16/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	363206	02/16/25	02/16/25	EJB
Chloroform	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

525910-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	363206	02/16/25	02/16/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	363206	02/16/25	02/16/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Benzene	ND		ug/L	5.0	0.09	1	363206	02/16/25	02/16/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	363206	02/16/25	02/16/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	363206	02/16/25	02/16/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	363206	02/16/25	02/16/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	363206	02/16/25	02/16/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	363206	02/16/25	02/16/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	363206	02/16/25	02/16/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	363206	02/16/25	02/16/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	363206	02/16/25	02/16/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	363206	02/16/25	02/16/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	363206	02/16/25	02/16/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	363206	02/16/25	02/16/25	EJB
Xylene (total)	ND		ug/L	5.0		1	363206	02/16/25	02/16/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	363206	02/16/25	02/16/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

525910-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	103%		%REC	70-130		1	363206	02/16/25	02/16/25	EJB
Toluene-d8	94%		%REC	70-130		1	363206	02/16/25	02/16/25	EJB
Bromofluorobenzene	98%		%REC	70-130		1	363206	02/16/25	02/16/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	362743	02/11/25	02/13/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	362743	02/11/25	02/13/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362961	02/13/25	02/13/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	363243	02/17/25	02/18/25	DXA
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**150**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Alkalinity, Total as CaCO3	**210**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**410**		mg/L	20		2	363054	02/14/25	02/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

Sample ID: DW-17	Lab ID: 525910-002	Collected: 02/10/25 10:42
	Matrix: Water	

525910-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.16**	J	mg/L	0.20	0.073	1	362706	02/11/25 15:00	02/11/25 22:39	KUM
Chloride	**150**		mg/L	1.0	0.27	1	362706	02/11/25 15:00	02/11/25 22:39	KUM
Bromide	**0.30**	J	mg/L	0.30	0.060	1	362706	02/11/25 15:00	02/11/25 22:39	KUM
Nitrogen, Nitrate	**0.99**		mg/L	0.10	0.05	1	362706	02/11/25 15:00	02/11/25 22:39	KUM
Sulfate	**180**		mg/L	10	1.8	10	362706	02/11/25 15:00	02/11/25 22:56	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	363789	02/21/25	02/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363182	02/15/25	02/15/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.084**		mg/L	0.050	0.0055	1	362734	02/11/25	02/11/25	SBW
Calcium	**4.6**		mg/L	0.57	0.57	1	362734	02/11/25	02/11/25	SBW
Iron	ND		mg/L	0.046	0.046	1	362734	02/11/25	02/11/25	SBW
Magnesium	**0.13**		mg/L	0.10	0.025	1	362734	02/11/25	02/11/25	SBW
Manganese	**0.0043**	J	mg/L	0.010	0.0029	1	362734	02/11/25	02/11/25	SBW
Potassium	**0.63**		mg/L	0.50	0.40	1	362734	02/11/25	02/11/25	SBW
Sodium	**220**		mg/L	0.50	0.35	1	362734	02/11/25	02/11/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362645	02/11/25	02/11/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Acetone	ND		ug/L	100	44	1	362645	02/11/25	02/11/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	362645	02/11/25	02/11/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	362645	02/11/25	02/11/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

525910-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	362645	02/11/25	02/11/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	362645	02/11/25	02/11/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	362645	02/11/25	02/11/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	362645	02/11/25	02/11/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	362645	02/11/25	02/11/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362645	02/11/25	02/11/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane-d4	109%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Toluene-d8	95%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 525910

525910-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	362743	02/11/25	02/13/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	108%		%REC	80-120		1	362743	02/11/25	02/13/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362961	02/13/25	02/13/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.1**		mg/L	1.0	0.68	1	363243	02/17/25	02/18/25	DXA
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**110**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Alkalinity, Total as CaCO3	**160**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**680**		mg/L	20		2	363054	02/14/25	02/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

Sample ID: DW-30	Lab ID: 525910-003	Collected: 02/10/25 11:58
	Matrix: Water	

525910-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.86**		mg/L	0.20	0.073	1	362706	02/11/25 15:00	02/11/25 23:13	KUM
Chloride	**57**		mg/L	1.0	0.27	1	362706	02/11/25 15:00	02/11/25 23:13	KUM
Bromide	**0.13**	J	mg/L	0.30	0.060	1	362706	02/11/25 15:00	02/11/25 23:13	KUM
Nitrogen, Nitrate	**0.19**		mg/L	0.10	0.05	1	362706	02/11/25 15:00	02/11/25 23:13	KUM
Sulfate	**300**		mg/L	10	1.8	10	362706	02/11/25 15:00	02/12/25 00:04	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	363789	02/21/25	02/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363182	02/15/25	02/15/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.20**		mg/L	0.050	0.0055	1	362734	02/11/25	02/11/25	SBW
Calcium	**35**		mg/L	0.57	0.57	1	362734	02/11/25	02/11/25	SBW
Iron	**0.10**		mg/L	0.046	0.046	1	362734	02/11/25	02/11/25	SBW
Magnesium	**5.6**		mg/L	0.10	0.025	1	362734	02/11/25	02/11/25	SBW
Manganese	**0.044**		mg/L	0.010	0.0029	1	362734	02/11/25	02/11/25	SBW
Potassium	**1.5**		mg/L	0.50	0.40	1	362734	02/11/25	02/11/25	SBW
Sodium	**190**		mg/L	0.50	0.35	1	362734	02/11/25	02/11/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362645	02/11/25	02/11/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Acetone	ND		ug/L	100	44	1	362645	02/11/25	02/11/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	362645	02/11/25	02/11/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	362645	02/11/25	02/11/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

525910-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	362645	02/11/25	02/11/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Tetrachloroethene	**0.5**	J	ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	362645	02/11/25	02/11/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	362645	02/11/25	02/11/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	362645	02/11/25	02/11/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	362645	02/11/25	02/11/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362645	02/11/25	02/11/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane-d4	111%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Toluene-d8	100%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 525910

525910-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	362743	02/11/25	02/13/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	362743	02/11/25	02/13/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362961	02/13/25	02/13/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.3**		mg/L	1.0	0.68	1	363243	02/17/25	02/18/25	DXA
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**180**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**730**		mg/L	20		2	363054	02/14/25	02/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

Sample ID: DW-15	Lab ID: 525910-004	Collected: 02/10/25 12:49
	Matrix: Water	

525910-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.086**	J	mg/L	0.20	0.073	1	362706	02/11/25 15:00	02/12/25 00:21	KUM
Chloride	**72**		mg/L	1.0	0.27	1	362706	02/11/25 15:00	02/12/25 00:21	KUM
Bromide	**0.16**	J	mg/L	0.30	0.060	1	362706	02/11/25 15:00	02/12/25 00:21	KUM
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	362706	02/11/25 15:00	02/12/25 00:21	KUM
Sulfate	**1,400**		mg/L	20	3.7	20	362706	02/11/25 15:00	02/12/25 00:37	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.11**		mg/L	0.10	0.050	1	363789	02/21/25	02/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**2.0**	J	mg/L	4.0	1.6	1	363182	02/15/25	02/15/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	362734	02/11/25	02/11/25	SBW
Calcium	**230**		mg/L	0.57	0.57	1	362734	02/11/25	02/11/25	SBW
Iron	**0.86**		mg/L	0.046	0.046	1	362734	02/11/25	02/11/25	SBW
Magnesium	**32**		mg/L	0.10	0.025	1	362734	02/11/25	02/11/25	SBW
Manganese	**0.59**		mg/L	0.010	0.0029	1	362734	02/11/25	02/11/25	SBW
Potassium	**2.6**		mg/L	0.50	0.40	1	362734	02/11/25	02/11/25	SBW
Sodium	**390**		mg/L	0.50	0.35	1	362734	02/11/25	02/11/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362645	02/11/25	02/11/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Acetone	ND		ug/L	100	44	1	362645	02/11/25	02/11/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	362645	02/11/25	02/11/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	362645	02/11/25	02/11/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

525910-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	362645	02/11/25	02/11/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	362645	02/11/25	02/11/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	362645	02/11/25	02/11/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,4-Dichlorobenzene	**0.2**	J	ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	362645	02/11/25	02/11/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	362645	02/11/25	02/11/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362645	02/11/25	02/11/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane-d4	111%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Toluene-d8	96%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 525910

525910-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	362743	02/11/25	02/13/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	362743	02/11/25	02/13/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362961	02/13/25	02/13/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.8**		mg/L	1.0	0.68	1	363243	02/17/25	02/18/25	DXA
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	5.0		2.5	362892	02/12/25	02/12/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,400**		mg/L	20		2	363054	02/14/25	02/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

Sample ID: QCFB	Lab ID: 525910-005	Collected: 02/10/25 12:00
	Matrix: Water	

525910-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362645	02/11/25	02/11/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Acetone	ND		ug/L	100	44	1	362645	02/11/25	02/11/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	362645	02/11/25	02/11/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	362645	02/11/25	02/11/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroform	**0.6**	J	ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	362645	02/11/25	02/11/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	362645	02/11/25	02/11/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	362645	02/11/25	02/11/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

525910-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	362645	02/11/25	02/11/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	362645	02/11/25	02/11/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362645	02/11/25	02/11/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane-d4	114%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Toluene-d8	96%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

Sample ID: QCTB	Lab ID: 525910-006	Collected: 02/10/25
	Matrix: Water	

525910-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362645	02/11/25	02/11/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Acetone	ND		ug/L	100	44	1	362645	02/11/25	02/11/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	362645	02/11/25	02/11/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	362645	02/11/25	02/11/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Chloroform	**0.6**	J	ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	362645	02/11/25	02/11/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	362645	02/11/25	02/11/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	362645	02/11/25	02/11/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525910

525910-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	362645	02/11/25	02/11/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362645	02/11/25	02/11/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	362645	02/11/25	02/11/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	362645	02/11/25	02/11/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	362645	02/11/25	02/11/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	362645	02/11/25	02/11/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	362645	02/11/25	02/11/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	362645	02/11/25	02/11/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	362645	02/11/25	02/11/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362645	02/11/25	02/11/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
1,2-Dichloroethane-d4	115%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Toluene-d8	95%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST
Bromofluorobenzene	121%		%REC	70-130		1	362645	02/11/25	02/11/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1228164**	**Batch:**	**362706**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228164 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	02/11/25 15:00	02/11/25 17:19
Chloride	ND		mg/L	1.0	0.27	02/11/25 15:00	02/11/25 17:19
Bromide	ND		mg/L	0.30	0.060	02/11/25 15:00	02/11/25 17:19
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/11/25 15:00	02/11/25 17:19
Sulfate	ND		mg/L	1.0	0.18	02/11/25 15:00	02/11/25 17:19

Type:	**Lab Control Sample**	**Lab ID:**	**QC1228165**	**Batch:**	**362706**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228165 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.510	10.00	mg/L	95%		90-110
Chloride	47.39	50.00	mg/L	95%		90-110
Bromide	14.63	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.323	4.518	mg/L	96%		90-110
Sulfate	24.26	25.00	mg/L	97%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1228168**	**Batch:**	**362706**
Matrix (Source ID):	**Water (525850-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.23	0.2553	20.00	mg/L	100%		80-120	1
Chloride	151.4	49.91	100.0	mg/L	102%		80-120	1
Bromide	14.92	0.1189	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	12.09	3.131	9.036	mg/L	99%		80-120	1
Sulfate	62.98	13.20	50.00	mg/L	100%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1228169**	**Batch:**	**362706**
Matrix (Source ID):	**Water (525850-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228169 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.54	0.2553	20.00	mg/L	101%		80-120	1	20	1
Chloride	152.9	49.91	100.0	mg/L	103%		80-120	1	20	1
Bromide	15.14	0.1189	15.00	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	12.22	3.131	9.036	mg/L	101%		80-120	1	20	1
Sulfate	63.70	13.20	50.00	mg/L	101%		80-120	1	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1231874**	**Batch:**	**363789**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1231874 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.036	1.000	mg/L	104%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1231875	Batch: 363789
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1231875 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	02/21/25	02/24/25

Type: Matrix Spike	Lab ID: QC1232124	Batch: 363789
Matrix (Source ID): Water (525502-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232124 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.359	0.3081	1.000	mg/L	105%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1232125	Batch: 363789
Matrix (Source ID): Water (525502-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232125 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.385	0.3081	1.000	mg/L	108%		90-110	2	20	1

Type: Matrix Spike	Lab ID: QC1232126	Batch: 363789
Matrix (Source ID): Water (525701-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232126 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.284	0.2693	1.000	mg/L	101%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1232127	Batch: 363789
Matrix (Source ID): Water (525701-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232127 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.367	0.2693	1.000	mg/L	110%		90-110	6	20	1

Type: Blank	Lab ID: QC1229759	Batch: 363182
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1229759 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	02/15/25	02/15/25

Type: Lab Control Sample	Lab ID: QC1229760	Batch: 363182
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1229760 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	107.0	100.0	mg/L	107%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1229761**	**Batch:**	**363182**
Matrix (Source ID):	**Water (525910-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1229761 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	114.0	ND	100.0	mg/L	114%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1229762**	**Batch:**	**363182**
Matrix (Source ID):	**Water (525910-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1229762 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	110.0	ND	100.0	mg/L	110%		75-125	4	20	2

Type:	**Blank**	**Lab ID:**	**QC1228219**	**Batch:**	**362734**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1228219 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	02/11/25	02/11/25
Calcium	ND		mg/L	0.57	0.57	02/11/25	02/11/25
Iron	ND		mg/L	0.046	0.046	02/11/25	02/11/25
Magnesium	ND		mg/L	0.10	0.025	02/11/25	02/11/25
Manganese	ND		mg/L	0.010	0.0029	02/11/25	02/11/25
Potassium	ND		mg/L	0.50	0.40	02/11/25	02/11/25
Sodium	ND		mg/L	0.50	0.35	02/11/25	02/11/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1228220**	**Batch:**	**362734**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1228220 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3488	0.4000	mg/L	87%		80-120
Calcium	18.26	20.40	mg/L	90%		80-120
Iron	0.3569	0.4000	mg/L	89%		80-120
Magnesium	17.99	20.40	mg/L	88%		80-120
Manganese	0.3553	0.4000	mg/L	89%		80-120
Potassium	20.62	24.00	mg/L	86%		80-120
Sodium	17.93	20.40	mg/L	88%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1228221	Batch:	362734
Matrix (Source ID):	Water (525910-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1228221 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.4681	0.1145	0.4000	mg/L	88%		75-125	1
Calcium	20.72	2.428	20.40	mg/L	90%		75-125	1
Iron	0.4938	0.1263	0.4000	mg/L	92%		75-125	1
Magnesium	18.13	0.1591	20.40	mg/L	88%		75-125	1
Manganese	0.3564	ND	0.4000	mg/L	89%		75-125	1
Potassium	21.14	0.4503	24.00	mg/L	86%		75-125	1
Sodium	154.5	136.3	20.40	mg/L	89%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1228222	Batch:	362734
Matrix (Source ID):	Water (525910-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1228222 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.4723	0.1145	0.4000	mg/L	89%		75-125	1	20	1
Calcium	20.78	2.428	20.40	mg/L	90%		75-125	0	20	1
Iron	0.5006	0.1263	0.4000	mg/L	94%		75-125	1	20	1
Magnesium	18.17	0.1591	20.40	mg/L	88%		75-125	0	20	1
Manganese	0.3594	ND	0.4000	mg/L	90%		75-125	1	20	1
Potassium	21.21	0.4503	24.00	mg/L	86%		75-125	0	20	1
Sodium	155.5	136.3	20.40	mg/L	94%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1228617	Batch:	362734
Matrix (Source ID):	Water (525910-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1228617 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.1132	0.1145	mg/L	J			5
Calcium	ND	2.428	mg/L				5
Iron	ND	0.1263	mg/L				5
Magnesium	0.1607	0.1591	mg/L	J			5
Manganese	ND	ND	mg/L				5
Potassium	ND	0.4503	mg/L				5
Sodium	130.7	136.3	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1227951	Batch: 362645
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1227951 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.99	50.00	ug/L	104%		70-135
MTBE	47.80	50.00	ug/L	96%		70-130
Benzene	54.44	50.00	ug/L	109%		70-130
Trichloroethene	55.96	50.00	ug/L	112%		70-130
Toluene	52.64	50.00	ug/L	105%		70-130
Chlorobenzene	53.09	50.00	ug/L	106%		70-130
Surrogates						
Dibromofluoromethane	51.99	50.00	ug/L	104%		70-130
1,2-Dichloroethane-d4	50.38	50.00	ug/L	101%		70-130
Toluene-d8	48.22	50.00	ug/L	96%		70-130
Bromofluorobenzene	47.53	50.00	ug/L	95%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1227952	Batch: 362645
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1227952 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	46.37	50.00	ug/L	93%		70-135	11	30
MTBE	43.62	50.00	ug/L	87%		70-130	9	30
Benzene	49.73	50.00	ug/L	99%		70-130	9	30
Trichloroethene	51.86	50.00	ug/L	104%		70-130	8	30
Toluene	48.35	50.00	ug/L	97%		70-130	8	30
Chlorobenzene	49.77	50.00	ug/L	100%		70-130	6	30
Surrogates								
Dibromofluoromethane	52.19	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	50.42	50.00	ug/L	101%		70-130		
Toluene-d8	48.46	50.00	ug/L	97%		70-130		
Bromofluorobenzene	48.35	50.00	ug/L	97%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1227957	**Batch:** 362645	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1227957 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	02/11/25	02/11/25
Freon 12	ND		ug/L	5.0	0.3	02/11/25	02/11/25
Chloromethane	ND		ug/L	5.0	0.4	02/11/25	02/11/25
Vinyl Chloride	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Bromomethane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Chloroethane	ND		ug/L	5.0	0.3	02/11/25	02/11/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Acetone	ND		ug/L	100	44	02/11/25	02/11/25
Freon 113	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Methylene Chloride	ND		ug/L	5.0	3.5	02/11/25	02/11/25
MTBE	ND		ug/L	5.0	0.1	02/11/25	02/11/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	02/11/25	02/11/25
2-Butanone	ND		ug/L	100	2.3	02/11/25	02/11/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Chloroform	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Bromochloromethane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	02/11/25	02/11/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Benzene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Trichloroethene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Dibromomethane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	02/11/25	02/11/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Toluene	ND		ug/L	5.0	0.3	02/11/25	02/11/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Tetrachloroethene	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	02/11/25	02/11/25
Chlorobenzene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Ethylbenzene	ND		ug/L	5.0	0.07	02/11/25	02/11/25
m,p-Xylenes	ND		ug/L	10	0.1	02/11/25	02/11/25
o-Xylene	ND		ug/L	5.0	0.09	02/11/25	02/11/25
Styrene	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Bromoform	ND		ug/L	5.0	0.2	02/11/25	02/11/25
Isopropylbenzene	ND		ug/L	5.0	0.09	02/11/25	02/11/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	02/11/25	02/11/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/11/25	02/11/25

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Batch QC

QC1227957 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	02/11/25	02/11/25
Bromobenzene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	02/11/25	02/11/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	02/11/25	02/11/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	02/11/25	02/11/25
1,2,4-Trimethylbenzene	0.3	J	ug/L	5.0	0.1	02/11/25	02/11/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	02/11/25	02/11/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	02/11/25	02/11/25
n-Butylbenzene	0.2	J	ug/L	5.0	0.1	02/11/25	02/11/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/11/25	02/11/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	02/11/25	02/11/25
1,2,4-Trichlorobenzene	0.2	J	ug/L	5.0	0.2	02/11/25	02/11/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	02/11/25	02/11/25
Naphthalene	ND		ug/L	5.0	0.5	02/11/25	02/11/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	02/11/25	02/11/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	02/11/25	02/11/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	02/11/25	02/11/25
Xylene (total)	ND		ug/L	5.0		02/11/25	02/11/25
Surrogates				**Limits**			
Dibromofluoromethane	106%		%REC	70-130		02/11/25	02/11/25
1,2-Dichloroethane-d4	101%		%REC	70-130		02/11/25	02/11/25
Toluene-d8	97%		%REC	70-130		02/11/25	02/11/25
Bromofluorobenzene	101%		%REC	70-130		02/11/25	02/11/25

Type: Matrix Spike **Lab ID:** QC1228059 **Batch:** 362645
Matrix (Source ID): Water (525912-008) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1228059 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,089	ND	1000	ug/L	109%		70-130	50
MTBE	960.3	ND	1000	ug/L	96%		75-130	50
Benzene	1,145	14.42	1000	ug/L	113%		70-130	50
Trichloroethene	1,225	ND	1000	ug/L	123%		63-130	50
Toluene	1,149	23.11	1000	ug/L	113%		70-130	50
Chlorobenzene	1,156	ND	1000	ug/L	116%		70-130	50
Surrogates								
Dibromofluoromethane	2,601		2500	ug/L	104%		70-130	50
1,2-Dichloroethane-d4	2,488		2500	ug/L	100%		70-130	50
Toluene-d8	2,422		2500	ug/L	97%		70-130	50
Bromofluorobenzene	2,311		2500	ug/L	92%		70-130	50

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1228060**	**Batch:**	**362645**
Matrix (Source ID):	**Water (525912-008)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1228060 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	1,097	ND	1000	ug/L	110%		70-130	1	30	50
MTBE	992.2	ND	1000	ug/L	99%		75-130	3	30	50
Benzene	1,171	14.42	1000	ug/L	116%		70-130	2	30	50
Trichloroethene	1,224	ND	1000	ug/L	122%		63-130	0	30	50
Toluene	1,134	23.11	1000	ug/L	111%		70-130	1	30	50
Chlorobenzene	1,150	ND	1000	ug/L	115%		70-130	1	30	50
Surrogates										
Dibromofluoromethane	2,630		2500	ug/L	105%		70-130			50
1,2-Dichloroethane-d4	2,649		2500	ug/L	106%		70-130			50
Toluene-d8	2,400		2500	ug/L	96%		70-130			50
Bromofluorobenzene	2,546		2500	ug/L	102%		70-130			50

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1229868**	**Batch:**	**363206**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229868 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	02/16/25	02/16/25
Freon 12	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Chloromethane	ND		ug/L	5.0	0.4	02/16/25	02/16/25
Vinyl Chloride	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Bromomethane	ND		ug/L	5.0	0.3	02/16/25	02/16/25
Chloroethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Acetone	ND		ug/L	100	16	02/16/25	02/16/25
Freon 113	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Methylene Chloride	ND		ug/L	5.0	1.4	02/16/25	02/16/25
MTBE	ND		ug/L	5.0	0.2	02/16/25	02/16/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
2-Butanone	ND		ug/L	100	3.1	02/16/25	02/16/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	02/16/25	02/16/25
Chloroform	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Bromochloromethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	02/16/25	02/16/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	02/16/25	02/16/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Benzene	ND		ug/L	5.0	0.09	02/16/25	02/16/25
Trichloroethene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Dibromomethane	ND		ug/L	5.0	0.09	02/16/25	02/16/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	02/16/25	02/16/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Toluene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Tetrachloroethene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Chlorobenzene	ND		ug/L	5.0	0.09	02/16/25	02/16/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Ethylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
m,p-Xylenes	ND		ug/L	10	0.2	02/16/25	02/16/25
o-Xylene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Styrene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Bromoform	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Isopropylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/16/25	02/16/25

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Batch QC

QC1229868 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Bromobenzene	ND		ug/L	5.0	0.07	02/16/25	02/16/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
n-Butylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	02/16/25	02/16/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	02/16/25	02/16/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Naphthalene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	02/16/25	02/16/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	02/16/25	02/16/25
Xylene (total)	ND		ug/L	5.0		02/16/25	02/16/25
Surrogates				**Limits**			
Dibromofluoromethane	100%		%REC	70-130		02/16/25	02/16/25
1,2-Dichloroethane-d4	101%		%REC	70-130		02/16/25	02/16/25
Toluene-d8	94%		%REC	70-130		02/16/25	02/16/25
Bromofluorobenzene	99%		%REC	70-130		02/16/25	02/16/25

Type: Lab Control Sample	**Lab ID: QC1229869**	**Batch: 363206**
Matrix: Water	**Method: EPA 8260B**	**Prep Method: EPA 5030B**

QC1229869 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.56	50.00	ug/L	93%		70-135
MTBE	47.53	50.00	ug/L	95%		70-130
Benzene	44.93	50.00	ug/L	90%		70-130
Trichloroethene	42.30	50.00	ug/L	85%		70-130
Toluene	42.47	50.00	ug/L	85%		70-130
Chlorobenzene	43.74	50.00	ug/L	87%		70-130
Surrogates						
Dibromofluoromethane	51.60	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	50.00	50.00	ug/L	100%		70-130
Toluene-d8	47.53	50.00	ug/L	95%		70-130
Bromofluorobenzene	51.33	50.00	ug/L	103%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1229870**	**Batch:**	**363206**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229870 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	47.28	50.00	ug/L	95%		70-135	2	30
MTBE	47.53	50.00	ug/L	95%		70-130	0	30
Benzene	45.55	50.00	ug/L	91%		70-130	1	30
Trichloroethene	42.01	50.00	ug/L	84%		70-130	1	30
Toluene	42.02	50.00	ug/L	84%		70-130	1	30
Chlorobenzene	43.43	50.00	ug/L	87%		70-130	1	30
Surrogates								
Dibromofluoromethane	52.08	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	50.18	50.00	ug/L	100%		70-130		
Toluene-d8	47.17	50.00	ug/L	94%		70-130		
Bromofluorobenzene	50.88	50.00	ug/L	102%		70-130		

Type:	**Matrix Spike**	**Lab ID:**	**QC1229878**	**Batch:**	**363206**
Matrix (Source ID):	**Water (525628-009)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229878 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	950.7	ND	1000	ug/L	95%		70-130	50
MTBE	1,023	ND	1000	ug/L	102%		75-130	50
Benzene	969.4	ND	1000	ug/L	97%		70-130	50
Trichloroethene	2,731	2308	1000	ug/L	42%	*	63-130	50
Toluene	880.1	ND	1000	ug/L	88%		70-130	50
Chlorobenzene	911.6	ND	1000	ug/L	91%		70-130	50
Surrogates								
Dibromofluoromethane	2,526		2500	ug/L	101%		70-130	50
1,2-Dichloroethane-d4	2,498		2500	ug/L	100%		70-130	50
Toluene-d8	2,342		2500	ug/L	94%		70-130	50
Bromofluorobenzene	2,498		2500	ug/L	100%		70-130	50

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1229879	Batch:	363206
Matrix (Source ID):	Water (525628-009)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1229879 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	973.4	ND	1000	ug/L	97%		70-130	2	30	50
MTBE	1,017	ND	1000	ug/L	102%		75-130	1	30	50
Benzene	978.5	ND	1000	ug/L	98%		70-130	1	30	50
Trichloroethene	2,712	2308	1000	ug/L	40%	*	63-130	1	30	50
Toluene	902.1	ND	1000	ug/L	90%		70-130	2	30	50
Chlorobenzene	926.6	ND	1000	ug/L	93%		70-130	2	30	50
Surrogates										
Dibromofluoromethane	2,502		2500	ug/L	100%		70-130			50
1,2-Dichloroethane-d4	2,478		2500	ug/L	99%		70-130			50
Toluene-d8	2,366		2500	ug/L	95%		70-130			50
Bromofluorobenzene	2,489		2500	ug/L	100%		70-130			50

Type:	Blank	Lab ID:	QC1228251	Batch:	362743
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1228251 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	02/11/25	02/12/25
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		02/11/25	02/12/25

Type:	Lab Control Sample	Lab ID:	QC1228252	Batch:	362743
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1228252 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.068	10.00	ug/L	91%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.20	10.00	ug/L	102%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1228253	Batch:	362743
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1228253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.853	10.00	ug/L	89%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.808	10.00	ug/L	98%		80-120		

Type:	Blank	Lab ID:	QC1228995	Batch:	362961
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228995 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/13/25	02/13/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1228996 **Batch:** 362961
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1228996 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1228997 **Batch:** 362961
Matrix (Source ID): Water (525628-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1228997 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1228998 **Batch:** 362961
Matrix (Source ID): Water (525628-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1228998 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1229988 **Batch:** 363243
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229988 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	02/17/25	02/17/25

Type: Lab Control Sample **Lab ID:** QC1229989 **Batch:** 363243
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229989 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.19	25.00	mg/L	97%		85-115

Type: Matrix Spike **Lab ID:** QC1229990 **Batch:** 363243
Matrix (Source ID): Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229990 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.87	5.305	25.00	mg/L	98%		75-125	2

Type: Matrix Spike Duplicate **Lab ID:** QC1229991 **Batch:** 363243
Matrix (Source ID): Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229991 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	29.74	5.305	25.00	mg/L	98%		75-125	0	25	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1228751	Batch: 362892
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1228751 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		02/12/25	02/12/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		02/12/25	02/12/25

Type: Lab Control Sample	Lab ID: QC1228752	Batch: 362892
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1228752 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	998.2	1000	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1228753	Batch: 362892
Matrix (Source ID): Water (525910-004)	Method: SM2320B	Prep Method: METHOD

QC1228753 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	204.0	201.6	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	204.0	201.6	mg/L		1	20	2.5

Type: Blank	Lab ID: QC1229339	Batch: 363054
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1229339 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		02/14/25	02/15/25

Type: Lab Control Sample	Lab ID: QC1229340	Batch: 363054
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1229340 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,012	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1229341	Batch: 363054
Matrix (Source ID): Water (525702-001)	Method: SM2540C	Prep Method: METHOD

QC1229341 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	184.0	176.0	mg/L		4	5	2

Type: Sample Duplicate	Lab ID: QC1229342	Batch: 363054
Matrix (Source ID): Water (525860-002)	Method: SM2540C	Prep Method: METHOD

QC1229342 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	264.0	256.0	mg/L		3	5	2

Batch QC

*	Value is outside QC limits
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 525910

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2502851

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-525910; Chiquita Canyon Landfill

Project Location:
Project Received: 02/12/2025

Analytical Report reviewed & approved for release on 02/18/2025 by:

Jena Alfaro
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502851

Project: EO-525910; Chiquita Canyon Landfill

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502851

Project: EO-525910; Chiquita Canyon Landfill

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502851
Date Received:	02/12/2025 8:48	**Extraction Method:**	RSK175
Date Prepared:	02/14/2025	**Analytical Method:**	RSK175
Project:	EO-525910; Chiquita Canyon Landfill	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-14	2502851-001A	Water	02/10/2025 09:13	GC26 0214250907.D	311501

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**450**	50	50	1	02/14/2025 14:16

Analyst(s): JEM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-17	2502851-002A	Water	02/10/2025 10:42	GC26 0214250908.D	311501

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**400**	50	50	1	02/14/2025 14:29

Analyst(s): JEM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2502851-003A	Water	02/10/2025 11:58	GC26 0214250909.D	311501

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**750**	50	50	1	02/14/2025 15:03

Analyst(s): JEM

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502851
Date Received:	02/12/2025 8:48	**Extraction Method:**	RSK175
Date Prepared:	02/14/2025	**Analytical Method:**	RSK175
Project:	EO-525910; Chiquita Canyon Landfill	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-15	2502851-004A	Water	02/10/2025 12:49	GC26 0214250905.D	311501

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**20,000**	1000	1000	20	02/14/2025 18:07

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502851
Date Prepared:	02/14/2025	**BatchID:**	311501
Date Analyzed:	02/14/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-525910; Chiquita Canyon Landfill	**Sample ID:**	MB/LCS/LCSD-311501

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	160	160	187.2	85	84	70-130	1.10	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502851 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-525910; Chiquita Canyon Landfill

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **02/12/2025**
Date Logged: **02/12/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502851-001	DW-14	Water	2/10/2025 09:13	☐	A	A	A									
2502851-002	DW-17	Water	2/10/2025 10:42	☐	A		A									
2502851-003	DW-30	Water	2/10/2025 11:58	☐	A		A									
2502851-004	DW-15	Water	2/10/2025 12:49	☐	A		A									

Test Legend:

1	PRDisposal Fee	2	PREDD_Excel	3	RSK175_CO2_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Natalie Zaragoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-525910; Chiquita Canyon Landfill
Comments:

Work Order: 2502851
QC Level: LEVEL 2
Date Logged: 2/12/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-14	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/10/2025 9:13	2 days	2/14/2025	Present	☐	☐
002A	DW-17	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/10/2025 10:42	2 days	2/14/2025	Present	☐	☐
003A	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/10/2025 11:58	2 days	2/14/2025	Present	☐	☐
004A	DW-15	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/10/2025 12:49	2 days	2/14/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

Enthalpy Analytical - Orange 2502851
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

HOLD TIME RUSH

Enthalpy Order: EO-525910
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-14	10-FEB-2025 09:13	525910-001	3	Water	RSK-175 CO2	
DW-17	10-FEB-2025 10:42	525910-002	3	Water	RSK-175 CO2	
DW-30	10-FEB-2025 11:58	525910-003	3	Water	RSK-175 CO2	
DW-15	10-FEB-2025 12:49	525910-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Montoya EA-ORA	
	Date: 2/11/25 1730	Date:
		Natalie Crump
	Date:	Date: 2/12/25 0848
	Date:	Date:

GLS: 562628525

0.3 wet IR39

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	2/12/2025 08:48
Project:	EO-525910; Chiquita Canyon Landfill	Date Logged:	2/12/2025
		Received by:	Natalie Zaragoza
WorkOrder №:	2502851 Matrix:	Logged by:	Natalie Zaragoza
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☐	No ☑	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 0.3°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525994
Report Level : II
Report Date : 02/26/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	525994 GW MONITORING Chiquita Canyon Landfill 02/11/25

Sample ID	Lab ID	Collected	Matrix
DW-28	525994-001	02/11/25 09:16	Water
DW-8	525994-002	02/11/25 10:35	Water
PZ-4	525994-003	02/11/25 12:46	Water
QCFB	525994-004	02/11/25 10:37	Water
QCTB	525994-005	02/11/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 525994 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 02/11/25

This data package contains sample and QC results for five water samples, requested for the above referenced project on 02/12/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 525994

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide	
1	DW-28	2/11/25	916	W	13	var.	X	X	X	X	X	X	X	X	X	
2	DW-8	"	1035	"	"	"	X	X	X	X	X	X	X	X	X	
3	PZ-4	"	1246	"	"	"	X	X	X	X	X	X	X	X	X	
4	QCFB	"	1037	"	3	"	X									
5	QCTB	—	—	"	2	"	X									
6																
7																
8																
9																
10																

Analysis Request

Test Instructions / Comments

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

LRL 3-2 / 3-3

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	2/11/25 1410
[1] Received By:		Hrag B.	EA NH	2/11/25 1410
[2] Relinquished By:		Hrag B.	EA NH	2/12/25 0900
[2] Received By:		Rene C.	EA NH	2/12/25 0900
[3] Relinquished By:		Rene C.	EA NH	2/12/25 11:00
[3] Received By:		Hrag Mah	E.A	2/12/25 11:00
REC:	REC: J. Gutierrez	Hrag Mah JEUBERT ORTEGA	E.A EA-ORA	2/12/25 11:34 2/12/25 1134

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2·11·25 WO# _____ Client: Chiquita Canyon LF

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2·11·25 By (initials) JWL Type of ice used ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: ~~-0.2C~~ -0.7C JWL

Cooler Temp (°C) #1: 16.4 / 15.7 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

2/12/25

SAMPLE RECEIPT CHECKLIST

Section 1: General Info AES 2/11/25

Date Received: 2/11/25 WO# 525994 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/11/25 2/11/25 AES 2/11/25 By (initials) HNT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 3.2 3.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 2/11/25 **By (print)** AES **(sign)** _____

Date Labeled 2/11/25 AES 2/11/25 2/12/25 **By (print)** Derek **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 525994

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525994
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/11/25

Sample ID: DW-28 **Lab ID: 525994-001** **Collected: 02/11/25 09:16**
Matrix: Water

525994-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**1.2**		mg/L	0.20	0.073	1	362867	02/12/25 17:00	02/13/25 00:38	KUM
Chloride	**34**		mg/L	1.0	0.27	1	362867	02/12/25 17:00	02/13/25 00:38	KUM
Bromide	**0.17**	J	mg/L	0.30	0.060	1	362867	02/12/25 17:00	02/13/25 00:38	KUM
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	362867	02/12/25 17:00	02/13/25 00:38	KUM
Sulfate	**450**		mg/L	10	1.8	10	362867	02/12/25 17:00	02/13/25 00:55	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.36**		mg/L	0.10	0.050	1	363789	02/21/25	02/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363182	02/15/25	02/15/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.4**		mg/L	0.050	0.0055	1	362942	02/13/25	02/13/25	DXC
Calcium	**4.6**		mg/L	0.57	0.57	1	362942	02/13/25	02/13/25	DXC
Iron	ND		mg/L	0.046	0.046	1	362942	02/13/25	02/13/25	DXC
Magnesium	**0.78**		mg/L	0.10	0.025	1	362942	02/13/25	02/13/25	DXC
Manganese	**0.0037**	J	mg/L	0.010	0.0029	1	362942	02/13/25	02/13/25	DXC
Potassium	**0.95**		mg/L	0.50	0.40	1	362942	02/13/25	02/13/25	DXC
Sodium	**350**		mg/L	0.50	0.35	1	362942	02/13/25	02/13/25	DXC
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	362920	02/13/25	02/13/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	362920	02/13/25	02/13/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Acetone	ND		ug/L	100	16	1	362920	02/13/25	02/13/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	362920	02/13/25	02/13/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	362920	02/13/25	02/13/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

525994-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Benzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	362920	02/13/25	02/13/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	362920	02/13/25	02/13/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	362920	02/13/25	02/13/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	362920	02/13/25	02/13/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362920	02/13/25	02/13/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

525994-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	100%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Toluene-d8	96%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363412	02/18/25	02/18/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	363412	02/18/25	02/18/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363258	02/17/25	02/17/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.2**		mg/L	1.0	0.68	1	363243	02/17/25	02/18/25	DXA
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**340**		mg/L	5.0		2.5	363294	02/17/25	02/17/25	WWC
Alkalinity, Total as CaCO3	**380**		mg/L	5.0		2.5	363294	02/17/25	02/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	363054	02/14/25	02/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

Sample ID: DW-8	Lab ID: 525994-002	Collected: 02/11/25 10:35
	Matrix: Water	

525994-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.14**	J	mg/L	0.20	0.073	1	362867	02/12/25 17:00	02/13/25 01:12	KUM
Chloride	**65**		mg/L	1.0	0.27	1	362867	02/12/25 17:00	02/13/25 01:12	KUM
Bromide	**0.19**	J	mg/L	0.30	0.060	1	362867	02/12/25 17:00	02/13/25 01:12	KUM
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	362867	02/12/25 17:00	02/13/25 01:12	KUM
Sulfate	**2,800**		mg/L	50	9.1	50	362867	02/12/25 17:00	02/13/25 02:03	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**1.1**		mg/L	0.10	0.050	1	363789	02/21/25	02/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**4.0**		mg/L	4.0	1.6	1	363182	02/15/25	02/15/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.0**		mg/L	0.050	0.0055	1	362942	02/13/25	02/13/25	DXC
Calcium	**350**		mg/L	0.57	0.57	1	362942	02/13/25	02/13/25	DXC
Iron	**5.3**		mg/L	0.046	0.046	1	362942	02/13/25	02/13/25	DXC
Magnesium	**200**		mg/L	0.10	0.025	1	362942	02/13/25	02/13/25	DXC
Manganese	**0.065**		mg/L	0.010	0.0029	1	362942	02/13/25	02/13/25	DXC
Potassium	**6.5**		mg/L	0.50	0.40	1	362942	02/13/25	02/13/25	DXC
Sodium	**600**		mg/L	0.50	0.35	1	362942	02/13/25	02/13/25	DXC
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	362920	02/13/25	02/13/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	362920	02/13/25	02/13/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Acetone	ND		ug/L	100	16	1	362920	02/13/25	02/13/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	362920	02/13/25	02/13/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	362920	02/13/25	02/13/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

525994-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	362920	02/13/25	02/13/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	362920	02/13/25	02/13/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	362920	02/13/25	02/13/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	362920	02/13/25	02/13/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362920	02/13/25	02/13/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Toluene-d8	96%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 525994

525994-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363412	02/18/25	02/18/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	363412	02/18/25	02/18/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363258	02/17/25	02/17/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.8**		mg/L	1.0	0.68	1	363243	02/17/25	02/18/25	DXA
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**380**		mg/L	20		10	363189	02/15/25	02/15/25	WWC
Alkalinity, Total as CaCO3	**380**		mg/L	20		10	363189	02/15/25	02/15/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,200**		mg/L	40		4	363054	02/14/25	02/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

Sample ID: PZ-4	Lab ID: 525994-003	Collected: 02/11/25 12:46
	Matrix: Water	

525994-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.55**		mg/L	0.20	0.073	1	362867	02/12/25 17:00	02/13/25 02:19	KUM
Chloride	**59**		mg/L	1.0	0.27	1	362867	02/12/25 17:00	02/13/25 02:19	KUM
Bromide	**0.15**	J	mg/L	0.30	0.060	1	362867	02/12/25 17:00	02/13/25 02:19	KUM
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.05	1	362867	02/12/25 17:00	02/13/25 02:19	KUM
Sulfate	**130**		mg/L	10	1.8	10	362867	02/12/25 17:00	02/13/25 02:36	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	363789	02/21/25	02/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**7.0**		mg/L	4.0	1.6	1	363182	02/15/25	02/15/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.30**		mg/L	0.050	0.0055	1	362942	02/13/25	02/13/25	DXC
Calcium	**51**		mg/L	0.57	0.57	1	362942	02/13/25	02/13/25	DXC
Iron	ND		mg/L	0.046	0.046	1	362942	02/13/25	02/13/25	DXC
Magnesium	**9.8**		mg/L	0.10	0.025	1	362942	02/13/25	02/13/25	DXC
Manganese	ND		mg/L	0.010	0.0029	1	362942	02/13/25	02/13/25	DXC
Potassium	**2.3**		mg/L	0.50	0.40	1	362942	02/13/25	02/13/25	DXC
Sodium	**180**		mg/L	0.50	0.35	1	362942	02/13/25	02/13/25	DXC
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	362920	02/13/25	02/13/25	ZST
Freon 12	**0.4**	J	ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	362920	02/13/25	02/13/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Acetone	ND		ug/L	100	16	1	362920	02/13/25	02/13/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	362920	02/13/25	02/13/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	362920	02/13/25	02/13/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

525994-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	362920	02/13/25	02/13/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	362920	02/13/25	02/13/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	362920	02/13/25	02/13/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	362920	02/13/25	02/13/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362920	02/13/25	02/13/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane-d4	102%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Toluene-d8	96%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 525994

525994-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363412	02/18/25	02/18/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	363412	02/18/25	02/18/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363258	02/17/25	02/17/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**5.3**		mg/L	1.0	0.68	1	363243	02/17/25	02/18/25	DXA
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**380**		mg/L	10		5	363189	02/15/25	02/15/25	WWC
Alkalinity, Total as CaCO3	**380**		mg/L	10		5	363189	02/15/25	02/15/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**720**		mg/L	20		2	363054	02/14/25	02/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

Sample ID: QCFB	Lab ID: 525994-004	Collected: 02/11/25 10:37
	Matrix: Water	

525994-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	362920	02/13/25	02/13/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	362920	02/13/25	02/13/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Acetone	ND		ug/L	100	16	1	362920	02/13/25	02/13/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	362920	02/13/25	02/13/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	362920	02/13/25	02/13/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Benzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	362920	02/13/25	02/13/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	362920	02/13/25	02/13/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

525994-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	362920	02/13/25	02/13/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	362920	02/13/25	02/13/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362920	02/13/25	02/13/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Toluene-d8	97%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

Sample ID: QCTB	Lab ID: 525994-005	Collected: 02/11/25
	Matrix: Water	

525994-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	362920	02/13/25	02/13/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	362920	02/13/25	02/13/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Acetone	ND		ug/L	100	16	1	362920	02/13/25	02/13/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	362920	02/13/25	02/13/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	362920	02/13/25	02/13/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	362920	02/13/25	02/13/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Benzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	362920	02/13/25	02/13/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	362920	02/13/25	02/13/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	362920	02/13/25	02/13/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525994

525994-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362920	02/13/25	02/13/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	362920	02/13/25	02/13/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	362920	02/13/25	02/13/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	362920	02/13/25	02/13/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	362920	02/13/25	02/13/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	362920	02/13/25	02/13/25	ZST
Xylene (total)	ND		ug/L	5.0		1	362920	02/13/25	02/13/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Toluene-d8	97%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	362920	02/13/25	02/13/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1228692**	**Batch:**	**362867**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228692 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	02/12/25 17:00	02/12/25 19:18
Chloride	ND		mg/L	1.0	0.27	02/12/25 17:00	02/12/25 19:18
Bromide	ND		mg/L	0.30	0.060	02/12/25 17:00	02/12/25 19:18
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/12/25 17:00	02/12/25 19:18
Sulfate	ND		mg/L	1.0	0.18	02/12/25 17:00	02/12/25 19:18

Type:	**Lab Control Sample**	**Lab ID:**	**QC1228693**	**Batch:**	**362867**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228693 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.539	10.00	mg/L	95%		90-110
Chloride	47.55	50.00	mg/L	95%		90-110
Bromide	14.66	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.343	4.518	mg/L	96%		90-110
Sulfate	24.35	25.00	mg/L	97%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1228708**	**Batch:**	**362867**
Matrix (Source ID):	**Water (525927-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228708 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.47	ND	20.00	mg/L	97%		80-120	1
Chloride	169.8	73.77	100.0	mg/L	96%		80-120	1
Bromide	14.47	0.1019	15.00	mg/L	96%		80-120	1
Nitrogen, Nitrate	9.533	0.7953	9.036	mg/L	97%		80-120	1
Sulfate	73.96	25.78	50.00	mg/L	96%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1228709**	**Batch:**	**362867**
Matrix (Source ID):	**Water (525927-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1228709 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.38	ND	20.00	mg/L	97%		80-120	0	20	1
Chloride	169.4	73.77	100.0	mg/L	96%		80-120	0	20	1
Bromide	14.39	0.1019	15.00	mg/L	95%		80-120	1	20	1
Nitrogen, Nitrate	9.474	0.7953	9.036	mg/L	96%		80-120	1	20	1
Sulfate	73.67	25.78	50.00	mg/L	96%		80-120	0	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1231874**	**Batch:**	**363789**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1231874 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.036	1.000	mg/L	104%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1231875	Batch: 363789
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1231875 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	02/21/25	02/24/25

Type: Matrix Spike	Lab ID: QC1232124	Batch: 363789
Matrix (Source ID): Water (525502-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232124 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.359	0.3081	1.000	mg/L	105%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1232125	Batch: 363789
Matrix (Source ID): Water (525502-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232125 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.385	0.3081	1.000	mg/L	108%		90-110	2	20	1

Type: Matrix Spike	Lab ID: QC1232126	Batch: 363789
Matrix (Source ID): Water (525701-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232126 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.284	0.2693	1.000	mg/L	101%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1232127	Batch: 363789
Matrix (Source ID): Water (525701-001)	Method: EPA 350.1	Prep Method: METHOD

QC1232127 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.367	0.2693	1.000	mg/L	110%		90-110	6	20	1

Type: Blank	Lab ID: QC1229759	Batch: 363182
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1229759 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	02/15/25	02/15/25

Type: Lab Control Sample	Lab ID: QC1229760	Batch: 363182
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1229760 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	107.0	100.0	mg/L	107%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1229761	Batch:	363182
Matrix (Source ID):	Water (525910-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1229761 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	114.0	ND	100.0	mg/L	114%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1229762	Batch:	363182
Matrix (Source ID):	Water (525910-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1229762 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	110.0	ND	100.0	mg/L	110%		75-125	4	20	2

Type:	Blank	Lab ID:	QC1228935	Batch:	362942
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1228935 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	02/13/25	02/13/25
Calcium	ND		mg/L	0.57	0.57	02/13/25	02/13/25
Iron	ND		mg/L	0.046	0.046	02/13/25	02/13/25
Magnesium	ND		mg/L	0.10	0.025	02/13/25	02/13/25
Manganese	ND		mg/L	0.010	0.0029	02/13/25	02/13/25
Potassium	ND		mg/L	0.50	0.40	02/13/25	02/13/25
Sodium	ND		mg/L	0.50	0.35	02/13/25	02/13/25

Type:	Lab Control Sample	Lab ID:	QC1228936	Batch:	362942
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1228936 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3630	0.4000	mg/L	91%		80-120
Calcium	18.57	20.40	mg/L	91%		80-120
Iron	0.3718	0.4000	mg/L	93%		80-120
Magnesium	18.38	20.40	mg/L	90%		80-120
Manganese	0.3667	0.4000	mg/L	92%		80-120
Potassium	20.78	24.00	mg/L	87%		80-120
Sodium	18.28	20.40	mg/L	90%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1228937	Batch:	362942
Matrix (Source ID):	Water (526169-003)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1228937 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.072	0.7257	0.4000	mg/L	87%		75-125	1
Calcium	77.54	59.57	20.40	mg/L	88%		75-125	1
Iron	1.028	0.6783	0.4000	mg/L	87%		75-125	1
Magnesium	58.05	39.92	20.40	mg/L	89%		75-125	1
Manganese	0.8332	0.4901	0.4000	mg/L	86%		75-125	1
Potassium	33.96	11.21	24.00	mg/L	95%		75-125	1
Sodium	617.5	600.2	20.40	mg/L	85%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1228938	Batch:	362942
Matrix (Source ID):	Water (526169-003)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1228938 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.077	0.7257	0.4000	mg/L	88%		75-125	0	20	1
Calcium	77.45	59.57	20.40	mg/L	88%		75-125	0	20	1
Iron	1.034	0.6783	0.4000	mg/L	89%		75-125	1	20	1
Magnesium	58.02	39.92	20.40	mg/L	89%		75-125	0	20	1
Manganese	0.8370	0.4901	0.4000	mg/L	87%		75-125	0	20	1
Potassium	33.93	11.21	24.00	mg/L	95%		75-125	0	20	1
Sodium	616.5	600.2	20.40	mg/L	80%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1229031	Batch:	362942
Matrix (Source ID):	Water (526169-003)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1229031 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.7485	0.7257	mg/L				5
Calcium	62.39	59.57	mg/L				5
Iron	0.6957	0.6783	mg/L				5
Magnesium	41.88	39.92	mg/L				5
Manganese	0.5022	0.4901	mg/L				5
Potassium	10.66	11.21	mg/L				5
Sodium	641.4	600.2	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1228864	Batch: 362920
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1228864 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.35	50.00	ug/L	105%		70-135
MTBE	49.79	50.00	ug/L	100%		70-130
Benzene	49.77	50.00	ug/L	100%		70-130
Trichloroethene	48.32	50.00	ug/L	97%		70-130
Toluene	49.40	50.00	ug/L	99%		70-130
Chlorobenzene	50.05	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	51.19	50.00	ug/L	102%		70-130
1,2-Dichloroethane-d4	49.69	50.00	ug/L	99%		70-130
Toluene-d8	49.06	50.00	ug/L	98%		70-130
Bromofluorobenzene	51.33	50.00	ug/L	103%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1228865	Batch: 362920
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1228865 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	52.28	50.00	ug/L	105%		70-135	0	30
MTBE	49.53	50.00	ug/L	99%		70-130	1	30
Benzene	49.20	50.00	ug/L	98%		70-130	1	30
Trichloroethene	47.67	50.00	ug/L	95%		70-130	1	30
Toluene	48.79	50.00	ug/L	98%		70-130	1	30
Chlorobenzene	49.61	50.00	ug/L	99%		70-130	1	30
Surrogates								
Dibromofluoromethane	51.60	50.00	ug/L	103%		70-130		
1,2-Dichloroethane-d4	49.48	50.00	ug/L	99%		70-130		
Toluene-d8	49.26	50.00	ug/L	99%		70-130		
Bromofluorobenzene	51.91	50.00	ug/L	104%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1228866	**Batch:** 362920	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1228866 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	02/13/25	02/13/25
Freon 12	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Chloromethane	ND		ug/L	5.0	0.4	02/13/25	02/13/25
Vinyl Chloride	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Bromomethane	ND		ug/L	5.0	0.3	02/13/25	02/13/25
Chloroethane	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Acetone	ND		ug/L	100	16	02/13/25	02/13/25
Freon 113	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Methylene Chloride	ND		ug/L	5.0	1.4	02/13/25	02/13/25
MTBE	ND		ug/L	5.0	0.2	02/13/25	02/13/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	02/13/25	02/13/25
2-Butanone	ND		ug/L	100	3.1	02/13/25	02/13/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	02/13/25	02/13/25
Chloroform	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Bromochloromethane	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	02/13/25	02/13/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	02/13/25	02/13/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Benzene	ND		ug/L	5.0	0.09	02/13/25	02/13/25
Trichloroethene	ND		ug/L	5.0	0.2	02/13/25	02/13/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Dibromomethane	ND		ug/L	5.0	0.09	02/13/25	02/13/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	02/13/25	02/13/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Toluene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/13/25	02/13/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Tetrachloroethene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	02/13/25	02/13/25
Chlorobenzene	ND		ug/L	5.0	0.09	02/13/25	02/13/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Ethylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
m,p-Xylenes	ND		ug/L	10	0.2	02/13/25	02/13/25
o-Xylene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Styrene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Bromoform	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Isopropylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/13/25	02/13/25

ENTHALPY ANALYTICAL

Batch QC

QC1228866 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Bromobenzene	ND		ug/L	5.0	0.07	02/13/25	02/13/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
n-Butylbenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	02/13/25	02/13/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	02/13/25	02/13/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
Naphthalene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	02/13/25	02/13/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	02/13/25	02/13/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	02/13/25	02/13/25
Xylene (total)	ND		ug/L	5.0		02/13/25	02/13/25
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		02/13/25	02/13/25
1,2-Dichloroethane-d4	100%		%REC	70-130		02/13/25	02/13/25
Toluene-d8	97%		%REC	70-130		02/13/25	02/13/25
Bromofluorobenzene	98%		%REC	70-130		02/13/25	02/13/25

Type: Matrix Spike **Lab ID:** QC1228910 **Batch:** 362920
Matrix (Source ID): Water (526180-007) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1228910 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	960.8	ND	1000	ug/L	96%		70-130	50
MTBE	947.6	ND	1000	ug/L	95%		75-130	50
Benzene	1,001	11.55	1000	ug/L	99%		70-130	50
Trichloroethene	1,003	ND	1000	ug/L	100%		63-130	50
Toluene	963.1	18.69	1000	ug/L	94%		70-130	50
Chlorobenzene	964.1	ND	1000	ug/L	96%		70-130	50
Surrogates								
Dibromofluoromethane	2,499		2500	ug/L	100%		70-130	50
1,2-Dichloroethane-d4	2,466		2500	ug/L	99%		70-130	50
Toluene-d8	2,425		2500	ug/L	97%		70-130	50
Bromofluorobenzene	2,497		2500	ug/L	100%		70-130	50

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1228911	Batch:	362920
Matrix (Source ID):	Water (526180-007)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1228911 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	965.1	ND	1000	ug/L	97%		70-130	0	30	50
MTBE	927.2	ND	1000	ug/L	93%		75-130	2	30	50
Benzene	983.1	11.55	1000	ug/L	97%		70-130	2	30	50
Trichloroethene	991.4	ND	1000	ug/L	99%		63-130	1	30	50
Toluene	964.7	18.69	1000	ug/L	95%		70-130	0	30	50
Chlorobenzene	959.6	ND	1000	ug/L	96%		70-130	0	30	50
Surrogates										
Dibromofluoromethane	2,489		2500	ug/L	100%		70-130			50
1,2-Dichloroethane-d4	2,467		2500	ug/L	99%		70-130			50
Toluene-d8	2,418		2500	ug/L	97%		70-130			50
Bromofluorobenzene	2,502		2500	ug/L	100%		70-130			50

Type:	Blank	Lab ID:	QC1230589	Batch:	363412
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1230589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	02/18/25	02/18/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		02/18/25	02/18/25

Type:	Lab Control Sample	Lab ID:	QC1230590	Batch:	363412
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1230590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.617	10.00	ug/L	86%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.06	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1230591	Batch:	363412
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1230591 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.824	10.00	ug/L	88%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.882	10.00	ug/L	99%		80-120		

Type:	Blank	Lab ID:	QC1230044	Batch:	363258
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1230044 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/17/25	02/17/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1230045 **Batch:** 363258
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1230045 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1230046 **Batch:** 363258
Matrix (Source ID): Drinking Water (525962-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1230046 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1230047 **Batch:** 363258
Matrix (Source ID): Drinking Water (525962-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1230047 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1229988 **Batch:** 363243
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229988 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	02/17/25	02/17/25

Type: Lab Control Sample **Lab ID:** QC1229989 **Batch:** 363243
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229989 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.19	25.00	mg/L	97%		85-115

Type: Matrix Spike **Lab ID:** QC1229990 **Batch:** 363243
Matrix (Source ID): Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229990 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.87	5.305	25.00	mg/L	98%		75-125	2

Type: Matrix Spike Duplicate **Lab ID:** QC1229991 **Batch:** 363243
Matrix (Source ID): Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1229991 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	29.74	5.305	25.00	mg/L	98%		75-125	0	25	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1229797	Batch: 363189
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1229797 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		02/15/25	02/15/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		02/15/25	02/15/25

Type: Lab Control Sample	Lab ID: QC1229798	Batch: 363189
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1229798 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	923.4	1000	mg/L	92%		90-110

Type: Sample Duplicate	Lab ID: QC1229799	Batch: 363189
Matrix (Source ID): Water (525897-003)	Method: SM2320B	Prep Method: METHOD

QC1229799 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	218.6	215.0	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	218.6	215.0	mg/L		2	20	2.5

Type: Blank	Lab ID: QC1230186	Batch: 363294
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1230186 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		02/17/25	02/17/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		02/17/25	02/17/25

Type: Lab Control Sample	Lab ID: QC1230187	Batch: 363294
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1230187 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,053	1000	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC1230595	Batch: 363294
Matrix (Source ID): Water (525927-008)	Method: SM2320B	Prep Method: METHOD

QC1230595 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	236.9	229.4	mg/L		3	20	5
Alkalinity, Total as CaCO3	236.9	229.4	mg/L		3	20	5

Type: Blank	Lab ID: QC1229339	Batch: 363054
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1229339 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		02/14/25	02/15/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1229340	Batch:	363054
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1229340 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,012	1000	mg/L	101%		90-110

Type:	Sample Duplicate	Lab ID:	QC1229341	Batch:	363054
Matrix (Source ID):	Water (525702-001)	Method:	SM2540C	Prep Method:	METHOD

QC1229341 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	184.0	176.0	mg/L		4	5	2

Type:	Sample Duplicate	Lab ID:	QC1229342	Batch:	363054
Matrix (Source ID):	Water (525860-002)	Method:	SM2540C	Prep Method:	METHOD

QC1229342 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	264.0	256.0	mg/L		3	5	2

ND Not Detected
NM Not Meaningful

Laboratory Job Number 525994

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2502B37

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-525994

Project Location:
Project Received: 02/14/2025

Analytical Report reviewed & approved for release on 02/21/2025 by:

Jena Alfaro
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502B37
Project: EO-525994

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502B37

Project: EO-525994

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	Sample was analyzed out of hold time
h11	Sample was initially analyzed within hold time but re-extracted and/or reanalyzed out of hold time.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502B37
Date Received:	02/14/2025 9:01	**Extraction Method:**	RSK175
Date Prepared:	02/19/2025	**Analytical Method:**	RSK175
Project:	EO-525994	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-28	2502B37-001A	Water	02/11/2025 09:16	GC26 0219250204.D	311739

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1000**	H	50	50	1	02/19/2025 15:16

Analyst(s): CLO Analytical Comments: h11

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-8	2502B37-002A	Water	02/11/2025 10:35	GC26 0219250205.D	311739

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**33,000**	H	1200	1200	25	02/19/2025 15:28

Analyst(s): CLO Analytical Comments: h11

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2502B37-003A	Water	02/11/2025 12:46	GC26 0219250206.D	311739

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**14,000**	H	1000	1000	20	02/19/2025 15:40

Analyst(s): CLO Analytical Comments: h11

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502B37
Date Prepared:	02/19/2025	**BatchID:**	311739
Date Analyzed:	02/19/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-525994	**Sample ID:**	MB/LCS/LCSD-311739

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	150	160	187.2	80	87	70-130	8.80	30

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502B37 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-525994

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **02/14/2025**
Date Logged: **02/18/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502B37-001	DW-28	Water	2/11/2025 09:16	☐	A	A										
2502B37-002	DW-8	Water	2/11/2025 10:35	☐	A	A										
2502B37-003	PZ-4	Water	2/11/2025 12:46	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-525994
Comments:

Work Order: 2502B37
QC Level: LEVEL 2
Date Logged: 2/18/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-28	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/11/2025 9:16	5 days	2/24/2025	Present	☐	☐
002A	DW-8	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/11/2025 10:35	5 days	2/24/2025	Present	☐	☐
003A	PZ-4	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/11/2025 12:46	5 days	2/24/2025	Present	☐	☐

NOTES: *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2502B37

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-525994
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-28	11-FEB-2025 09:16	525994-001	3	Water	RSK-175 CO2	
DW-8	11-FEB-2025 10:35	525994-002	3	Water	RSK-175 CO2	
PZ-4	11-FEB-2025 12:46	525994-003	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	D. Buitrago EA-ORA	
	Date: 2/13/25 1745	Date: 2.14.25 9:01
	Date:	Date:
	Date:	Date:

1.1° wt
1B33

GLS:562640500

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	2/14/2025 09:01
Project:	EO-525994	Date Logged:	2/18/2025
		Received by:	Adrianna Cardoza
WorkOrder №:	2502B37 Matrix: Water	Logged by:	Adrianna Cardoza
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 1.1°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526830
Report Level : II
Report Date : 03/07/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	526830 GW MONITORING Chiquita Canyon Landfill 02/18/25

Sample ID	Lab ID	Collected	Matrix
DW-12	526830-001	02/18/25 08:59	Water
DW-7	526830-002	02/18/25 09:57	Water
DW-18	526830-003	02/18/25 11:05	Water
DW-21	526830-004	02/18/25 11:48	Water
DW-31	526830-005	02/18/25 13:14	Water
QCFB	526830-006	02/18/25 11:51	Water
QCTB	526830-007	02/18/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 526830 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 02/18/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 02/19/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Low recoveries were observed for bromide in the MS/MSD for batch 363553; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 526830

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-12	2/18/25	859	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-7		957				X	X	X	X	X	X	X	X	X
3	DW-18		1105				X	X	X	X	X	X	X	X	X
4	DW-21		1148				X	X	X	X	X	X	X	X	X
5	DW-31		1314				X	X	X	X	X	X	X	X	X
6	QCFB		1151		3		X								
7	QCTB	—	—		2		X								
8															
9															
10															

Test Instructions / Comments

ID: IR11

T: 5.7°C

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

2/19/25 1213

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	2.18.25 1408
[1] Received By:		Jim Lin	SA·NH	2.18.25 1408
[2] Relinquished By:		Jim Lin	SA·NH	2.19.25 0900
[2] Received By:		Hrag B.	EA-NH	2/19/25 0900
[3] Relinquished By:		Hrag B.	EA-NH	2/19/25 1025
[3] Received By:		Brandon T	EA	2/19/25 1145

R01 Brandon T EA 2/19/25 1215

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2.18.25 WO# 526830 Client: Chiquita Canyon L.F.

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2.18.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR03 CF: -0.2C -0.7C

Cooler Temp (°C) #1: 12.3 / 11.6 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged ____ **By (print)** ____ **(sign)** ____

Date Labeled ____ **By (print)** ____ **(sign)** ____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 2/19/25 WO# 526830 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 2/19/25 By (initials) GCW Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1
Cooler Temp (°C) #1: 5.7/5.8 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?	✓		
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)
~~a vial for sample~~ GCW 2/19/25 004: 1 of 3 unpreserved vial was empty

☐ **No additional discrepancies**

Date Logged 2/19/25 **By (print)** ABD **(sign)** [signature]
Date Labeled 2/19/25 **By (print)** ~~GCW~~ Orange **(sign)** _____
60

ENTHALPY ANALYTICAL

Analysis Results for 526830

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526830
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/18/25

Sample ID: DW-12 **Lab ID: 526830-001** **Collected: 02/18/25 08:59**
Matrix: Water

526830-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.56**		mg/L	0.20	0.073	1	363553	02/19/25 15:52	02/20/25 01:02	AJL
Chloride	**190**		mg/L	1.0	0.27	1	363553	02/19/25 15:52	02/20/25 01:02	AJL
Bromide	**0.70**		mg/L	0.30	0.060	1	363553	02/19/25 15:52	02/20/25 01:02	AJL
Nitrogen, Nitrate	**3.4**		mg/L	0.10	0.05	1	363553	02/19/25 15:52	02/20/25 01:02	AJL
Sulfate	**300**		mg/L	10	1.8	10	363553	02/19/25 15:52	02/20/25 01:19	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.11**		mg/L	0.10	0.050	1	364582	03/01/25	03/03/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**6.0**		mg/L	4.0	1.6	1	363668	02/20/25	02/20/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.20**		mg/L	0.050	0.0055	1	363569	02/19/25	02/19/25	SBW
Calcium	**22**		mg/L	0.57	0.57	1	363569	02/19/25	02/19/25	SBW
Iron	ND		mg/L	0.046	0.046	1	363569	02/19/25	02/19/25	SBW
Magnesium	**2.7**		mg/L	0.10	0.025	1	363569	02/19/25	02/19/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	363569	02/19/25	02/19/25	SBW
Potassium	**1.6**		mg/L	0.50	0.40	1	363569	02/19/25	02/19/25	SBW
Sodium	**260**		mg/L	0.50	0.35	1	363569	02/19/25	02/19/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364348	02/27/25	02/27/25	YAH
Freon 12	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Chloromethane	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	YAH
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	364348	02/27/25	02/27/25	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Acetone	ND		ug/L	100	16	1	364348	02/27/25	02/27/25	YAH
Freon 113	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Methylene Chloride	ND		ug/L	5.0	1.4	1	364348	02/27/25	02/27/25	YAH
MTBE	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
2-Butanone	ND		ug/L	100	3.1	1	364348	02/27/25	02/27/25	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
Chloroform	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364348	02/27/25	02/27/25	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Benzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
Trichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Dibromomethane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364348	02/27/25	02/27/25	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Chlorobenzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	364348	02/27/25	02/27/25	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Styrene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Bromoform	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Bromobenzene	ND		ug/L	5.0	0.07	1	364348	02/27/25	02/27/25	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364348	02/27/25	02/27/25	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Naphthalene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	YAH
Xylene (total)	ND		ug/L	5.0		1	364348	02/27/25	02/27/25	YAH
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	108%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH
Toluene-d8	89%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH
Bromofluorobenzene	98%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363843	02/21/25	02/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	363843	02/21/25	02/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.3**		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**150**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**150**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**940**		mg/L	20		2	363770	02/21/25	02/22/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

Sample ID: DW-7	Lab ID: 526830-002	Collected: 02/18/25 09:57
	Matrix: Water	

526830-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.15**	J	mg/L	0.20	0.073	1	363553	02/19/25 15:52	02/20/25 01:36	AJL
Chloride	**82**		mg/L	1.0	0.27	1	363553	02/19/25 15:52	02/20/25 01:36	AJL
Bromide	**0.17**	J	mg/L	0.30	0.060	1	363553	02/19/25 15:52	02/20/25 01:36	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	363553	02/19/25 15:52	02/20/25 01:36	AJL
Sulfate	**650**		mg/L	10	1.8	10	363553	02/19/25 15:52	02/20/25 01:53	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.15**		mg/L	0.10	0.050	1	364582	03/01/25	03/03/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**3.0**	J	mg/L	4.0	1.6	1	363668	02/20/25	02/20/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.15**		mg/L	0.050	0.0055	1	363569	02/19/25	02/19/25	SBW
Calcium	**31**		mg/L	0.57	0.57	1	363569	02/19/25	02/19/25	SBW
Iron	ND		mg/L	0.046	0.046	1	363569	02/19/25	02/19/25	SBW
Magnesium	**1.5**		mg/L	0.10	0.025	1	363569	02/19/25	02/19/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	363569	02/19/25	02/19/25	SBW
Potassium	**1.1**		mg/L	0.50	0.40	1	363569	02/19/25	02/19/25	SBW
Sodium	**300**		mg/L	0.50	0.35	1	363569	02/19/25	02/19/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364348	02/27/25	02/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	364348	02/27/25	02/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Acetone	ND		ug/L	100	16	1	364348	02/27/25	02/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	364348	02/27/25	02/27/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	364348	02/27/25	02/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364348	02/27/25	02/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	364348	02/27/25	02/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	364348	02/27/25	02/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364348	02/27/25	02/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	364348	02/27/25	02/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane-d4	108%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Toluene-d8	88%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363843	02/21/25	02/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	363843	02/21/25	02/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**95**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**95**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	363770	02/21/25	02/22/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

Sample ID: DW-18	Lab ID: 526830-003	Collected: 02/18/25 11:05
	Matrix: Water	

526830-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.23**		mg/L	0.20	0.073	1	363553	02/19/25 15:52	02/20/25 02:10	AJL
Chloride	**100**		mg/L	1.0	0.27	1	363553	02/19/25 15:52	02/20/25 02:10	AJL
Bromide	**0.30**		mg/L	0.30	0.060	1	363553	02/19/25 15:52	02/20/25 02:10	AJL
Nitrogen, Nitrate	**3.1**		mg/L	0.10	0.05	1	363553	02/19/25 15:52	02/20/25 02:10	AJL
Sulfate	**350**		mg/L	10	1.8	10	363553	02/19/25 15:52	02/20/25 02:26	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.062**	J	mg/L	0.10	0.050	1	364582	03/01/25	03/03/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**5.0**		mg/L	4.0	1.6	1	363668	02/20/25	02/20/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.34**		mg/L	0.050	0.0055	1	363569	02/19/25	02/19/25	SBW
Calcium	**26**		mg/L	0.57	0.57	1	363569	02/19/25	02/19/25	SBW
Iron	ND		mg/L	0.046	0.046	1	363569	02/19/25	02/19/25	SBW
Magnesium	**2.1**		mg/L	0.10	0.025	1	363569	02/19/25	02/19/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	363569	02/19/25	02/19/25	SBW
Potassium	**1.5**		mg/L	0.50	0.40	1	363569	02/19/25	02/19/25	SBW
Sodium	**270**		mg/L	0.50	0.35	1	363569	02/19/25	02/19/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364348	02/27/25	02/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	364348	02/27/25	02/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Acetone	ND		ug/L	100	16	1	364348	02/27/25	02/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	364348	02/27/25	02/27/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	364348	02/27/25	02/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364348	02/27/25	02/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	364348	02/27/25	02/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	364348	02/27/25	02/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364348	02/27/25	02/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	364348	02/27/25	02/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane-d4	109%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Toluene-d8	89%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 526830

526830-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363843	02/21/25	02/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	363843	02/21/25	02/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.5**		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**270**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**270**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**990**		mg/L	20		2	363770	02/21/25	02/22/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

Sample ID: DW-21	Lab ID: 526830-004	Collected: 02/18/25 11:48
	Matrix: Water	

526830-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.79**		mg/L	0.20	0.073	1	363553	02/19/25 15:52	02/20/25 03:17	AJL
Chloride	**54**		mg/L	1.0	0.27	1	363553	02/19/25 15:52	02/20/25 03:17	AJL
Bromide	**0.15**	J	mg/L	0.30	0.060	1	363553	02/19/25 15:52	02/20/25 03:17	AJL
Nitrogen, Nitrate	**0.11**		mg/L	0.10	0.05	1	363553	02/19/25 15:52	02/20/25 03:17	AJL
Sulfate	**120**		mg/L	10	1.8	10	363553	02/19/25 15:52	02/20/25 03:34	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.18**		mg/L	0.10	0.050	1	364582	03/01/25	03/03/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363668	02/20/25	02/20/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.24**		mg/L	0.050	0.0055	1	363569	02/19/25	02/19/25	SBW
Calcium	**3.4**		mg/L	0.57	0.57	1	363569	02/19/25	02/19/25	SBW
Iron	**0.16**		mg/L	0.046	0.046	1	363569	02/19/25	02/19/25	SBW
Magnesium	**0.19**		mg/L	0.10	0.025	1	363569	02/19/25	02/19/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	363569	02/19/25	02/19/25	SBW
Potassium	**0.45**	J	mg/L	0.50	0.40	1	363569	02/19/25	02/19/25	SBW
Sodium	**130**		mg/L	0.50	0.35	1	363569	02/19/25	02/19/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364348	02/27/25	02/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	364348	02/27/25	02/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Acetone	ND		ug/L	100	16	1	364348	02/27/25	02/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	364348	02/27/25	02/27/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	364348	02/27/25	02/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364348	02/27/25	02/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	364348	02/27/25	02/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	364348	02/27/25	02/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364348	02/27/25	02/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	364348	02/27/25	02/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane-d4	110%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Toluene-d8	88%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 526830

526830-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363843	02/21/25	02/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	363843	02/21/25	02/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.4**		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**98**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**130**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**430**		mg/L	20		2	363770	02/21/25	02/22/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

Sample ID: DW-31	Lab ID: 526830-005	Collected: 02/18/25 13:14
	Matrix: Water	

526830-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.22**		mg/L	0.20	0.073	1	363553	02/19/25 15:52	02/20/25 03:51	AJL
Chloride	**130**		mg/L	1.0	0.27	1	363553	02/19/25 15:52	02/20/25 03:51	AJL
Bromide	**0.54**		mg/L	0.30	0.060	1	363553	02/19/25 15:52	02/20/25 03:51	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	363553	02/19/25 15:52	02/20/25 03:51	AJL
Sulfate	**520**		mg/L	10	1.8	10	363553	02/19/25 15:52	02/20/25 04:08	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	364582	03/01/25	03/03/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**46**		mg/L	4.0	1.6	1	363668	02/20/25	02/20/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.57**		mg/L	0.050	0.0055	1	363569	02/19/25	02/19/25	SBW
Calcium	**200**		mg/L	0.57	0.57	1	363569	02/19/25	02/19/25	SBW
Iron	**0.49**		mg/L	0.046	0.046	1	363569	02/19/25	02/19/25	SBW
Magnesium	**37**		mg/L	0.10	0.025	1	363569	02/19/25	02/19/25	SBW
Manganese	**0.82**		mg/L	0.010	0.0029	1	363569	02/19/25	02/19/25	SBW
Potassium	**1.6**		mg/L	0.50	0.40	1	363569	02/19/25	02/19/25	SBW
Sodium	**140**		mg/L	0.50	0.35	1	363569	02/19/25	02/19/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364348	02/27/25	02/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	364348	02/27/25	02/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Acetone	ND		ug/L	100	16	1	364348	02/27/25	02/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	364348	02/27/25	02/27/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	364348	02/27/25	02/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane	**0.3**	J	ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364348	02/27/25	02/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	364348	02/27/25	02/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	364348	02/27/25	02/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364348	02/27/25	02/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	364348	02/27/25	02/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane-d4	111%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Toluene-d8	89%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 526830

526830-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**3.9**		ug/L	1.0	0.95	1	363843	02/21/25	02/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	363843	02/21/25	02/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**19**		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**370**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**370**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	363770	02/21/25	02/22/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

Sample ID: QCFB	Lab ID: 526830-006	Collected: 02/18/25 11:51
	Matrix: Water	

526830-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364348	02/27/25	02/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	364348	02/27/25	02/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Acetone	ND		ug/L	100	16	1	364348	02/27/25	02/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	364348	02/27/25	02/27/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	364348	02/27/25	02/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364348	02/27/25	02/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Benzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364348	02/27/25	02/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	364348	02/27/25	02/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromoform	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	364348	02/27/25	02/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364348	02/27/25	02/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	364348	02/27/25	02/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
1,2-Dichloroethane-d4	109%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Toluene-d8	90%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	364348	02/27/25	02/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

Sample ID: QCTB	Lab ID: 526830-007	Collected: 02/18/25
	Matrix: Water	

526830-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364348	02/27/25	02/27/25	YAH
Freon 12	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Chloromethane	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	YAH
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	364348	02/27/25	02/27/25	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Acetone	ND		ug/L	100	16	1	364348	02/27/25	02/27/25	YAH
Freon 113	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Methylene Chloride	ND		ug/L	5.0	1.4	1	364348	02/27/25	02/27/25	YAH
MTBE	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
2-Butanone	ND		ug/L	100	3.1	1	364348	02/27/25	02/27/25	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
Chloroform	**0.6**	J	ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Bromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364348	02/27/25	02/27/25	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Benzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
Trichloroethene	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Dibromomethane	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364348	02/27/25	02/27/25	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Chlorobenzene	ND		ug/L	5.0	0.09	1	364348	02/27/25	02/27/25	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	364348	02/27/25	02/27/25	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Styrene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Bromoform	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526830

526830-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364348	02/27/25	02/27/25	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Bromobenzene	ND		ug/L	5.0	0.07	1	364348	02/27/25	02/27/25	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364348	02/27/25	02/27/25	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
Naphthalene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364348	02/27/25	02/27/25	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364348	02/27/25	02/27/25	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364348	02/27/25	02/27/25	YAH
Xylene (total)	ND		ug/L	5.0		1	364348	02/27/25	02/27/25	YAH
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH
1,2-Dichloroethane-d4	108%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH
Toluene-d8	90%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH
Bromofluorobenzene	97%		%REC	70-130		1	364348	02/27/25	02/27/25	YAH

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1231069**	**Batch:**	**363553**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231069 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	02/19/25 15:52	02/19/25 17:10
Chloride	ND		mg/L	1.0	0.27	02/19/25 15:52	02/19/25 17:10
Bromide	ND		mg/L	0.30	0.060	02/19/25 15:52	02/19/25 17:10
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/19/25 15:52	02/19/25 17:10
Sulfate	ND		mg/L	1.0	0.18	02/19/25 15:52	02/19/25 17:10

Type:	**Lab Control Sample**	**Lab ID:**	**QC1231070**	**Batch:**	**363553**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231070 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.514	10.00	mg/L	95%		90-110
Chloride	47.13	50.00	mg/L	94%		90-110
Bromide	14.75	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.395	4.518	mg/L	97%		90-110
Sulfate	24.45	25.00	mg/L	98%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1231071**	**Batch:**	**363553**
Matrix (Source ID):	**Water (526689-003)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231071 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.09	ND	20.00	mg/L	95%		80-120	1
Chloride	180.3	87.40	100.0	mg/L	93%		80-120	1
Bromide	14.35	0.1676	15.00	mg/L	95%		80-120	1
Nitrogen, Nitrate	8.991	0.3796	9.036	mg/L	95%		80-120	1
Sulfate	72.29	24.68	50.00	mg/L	95%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1231072**	**Batch:**	**363553**
Matrix (Source ID):	**Water (526689-003)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231072 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.55	ND	20.00	mg/L	98%		80-120	2	20	1
Chloride	182.2	87.40	100.0	mg/L	95%		80-120	1	20	1
Bromide	14.67	0.1676	15.00	mg/L	97%		80-120	2	20	1
Nitrogen, Nitrate	9.187	0.3796	9.036	mg/L	97%		80-120	2	20	1
Sulfate	73.36	24.68	50.00	mg/L	97%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1231073	Batch:	363553
Matrix (Source ID):	Water (526748-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1231073 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.78	0.2622	20.00	mg/L	98%		80-120	1
Chloride	175.0	78.69	100.0	mg/L	96%		80-120	1
Bromide	11.78	0.3196	15.00	mg/L	76%	*	80-120	1
Nitrogen, Nitrate	8.179	ND	9.036	mg/L	91%		80-120	1
Sulfate	49.72	0.7373	50.00	mg/L	98%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1231074	Batch:	363553
Matrix (Source ID):	Water (526748-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1231074 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.61	0.2622	20.00	mg/L	97%		80-120	1	20	1
Chloride	174.2	78.69	100.0	mg/L	96%		80-120	0	20	1
Bromide	11.64	0.3196	15.00	mg/L	75%	*	80-120	1	20	1
Nitrogen, Nitrate	8.103	ND	9.036	mg/L	90%		80-120	1	20	1
Sulfate	49.27	0.7373	50.00	mg/L	97%		80-120	1	20	1

Type:	Lab Control Sample	Lab ID:	QC1234307	Batch:	364582
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1234307 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9994	1.000	mg/L	100%		90-110

Type:	Blank	Lab ID:	QC1234308	Batch:	364582
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1234308 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/01/25	03/03/25

Type:	Matrix Spike	Lab ID:	QC1234534	Batch:	364582
Matrix (Source ID):	Water (526830-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1234534 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.074	0.1107	1.000	mg/L	96%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1234535	Batch:	364582
Matrix (Source ID):	Water (526830-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1234535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.157	0.1107	1.000	mg/L	105%		90-110	7	20	1

Type:	Matrix Spike	Lab ID:	QC1234536	Batch:	364582
Matrix (Source ID):	Water (526830-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1234536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.049	0.1542	1.000	mg/L	90%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1234537	Batch:	364582
Matrix (Source ID):	Water (526830-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1234537 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.053	0.1542	1.000	mg/L	90%		90-110	0	20	1

Type:	Blank	Lab ID:	QC1231444	Batch:	363668
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1231444 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	02/20/25	02/20/25

Type:	Lab Control Sample	Lab ID:	QC1231445	Batch:	363668
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1231445 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	102.0	100.0	mg/L	102%		90-110

Type:	Matrix Spike	Lab ID:	QC1231446	Batch:	363668
Matrix (Source ID):	Water (526694-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1231446 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	118.0	3.000	100.0	mg/L	115%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1231447**	**Batch:**	**363668**
Matrix (Source ID):	**Water (526694-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1231447 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	120.0	3.000	100.0	mg/L	117%		75-125	2	20	2

Type:	**Matrix Spike**	**Lab ID:**	**QC1231448**	**Batch:**	**363668**
Matrix (Source ID):	**Water (526694-002)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1231448 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	118.0	8.000	100.0	mg/L	110%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1231449**	**Batch:**	**363668**
Matrix (Source ID):	**Water (526694-002)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1231449 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	112.0	8.000	100.0	mg/L	104%		75-125	5	20	2

Type:	**Blank**	**Lab ID:**	**QC1231112**	**Batch:**	**363569**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1231112 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	02/19/25	02/19/25
Calcium	ND		mg/L	0.57	0.57	02/19/25	02/19/25
Iron	ND		mg/L	0.046	0.046	02/19/25	02/19/25
Magnesium	ND		mg/L	0.10	0.025	02/19/25	02/19/25
Manganese	ND		mg/L	0.010	0.0029	02/19/25	02/19/25
Potassium	ND		mg/L	0.50	0.40	02/19/25	02/19/25
Sodium	ND		mg/L	0.50	0.35	02/19/25	02/19/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1231113**	**Batch:**	**363569**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1231113 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3284	0.4000	mg/L	82%		80-120
Calcium	17.58	20.40	mg/L	86%		80-120
Iron	0.4197	0.4000	mg/L	105%		80-120
Magnesium	17.26	20.40	mg/L	85%		80-120
Manganese	0.3385	0.4000	mg/L	85%		80-120
Potassium	19.70	24.00	mg/L	82%		80-120
Sodium	17.13	20.40	mg/L	84%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1231114	Batch:	363569
Matrix (Source ID):	Water (526830-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1231114 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.5325	0.1971	0.4000	mg/L	84%		75-125	1
Calcium	39.89	22.44	20.40	mg/L	86%		75-125	1
Iron	0.3450	ND	0.4000	mg/L	86%		75-125	1
Magnesium	20.02	2.688	20.40	mg/L	85%		75-125	1
Manganese	0.3412	ND	0.4000	mg/L	85%		75-125	1
Potassium	22.11	1.632	24.00	mg/L	85%		75-125	1
Sodium	272.9	256.5	20.40	mg/L	80%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1231115	Batch:	363569
Matrix (Source ID):	Water (526830-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1231115 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.5333	0.1971	0.4000	mg/L	84%		75-125	0	20	1
Calcium	39.96	22.44	20.40	mg/L	86%		75-125	0	20	1
Iron	0.3465	ND	0.4000	mg/L	87%		75-125	0	20	1
Magnesium	20.16	2.688	20.40	mg/L	86%		75-125	1	20	1
Manganese	0.3417	ND	0.4000	mg/L	85%		75-125	0	20	1
Potassium	22.25	1.632	24.00	mg/L	86%		75-125	1	20	1
Sodium	271.8	256.5	20.40	mg/L	75%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1231225	Batch:	363569
Matrix (Source ID):	Water (526830-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1231225 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.2090	0.1971	mg/L	J			5
Calcium	23.76	22.44	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	2.908	2.688	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	ND	1.632	mg/L				5
Sodium	274.5	256.5	mg/L				5

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1233562	Batch:	364348
Matrix (Source ID):	Water (526830-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1233562 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	22.19	ND	20.00	ug/L	111%		70-130	1
MTBE	23.49	ND	20.00	ug/L	117%		75-130	1
Benzene	23.49	ND	20.00	ug/L	117%		70-130	1
Trichloroethene	20.23	ND	20.00	ug/L	101%		63-130	1
Toluene	18.95	ND	20.00	ug/L	95%		70-130	1
Chlorobenzene	19.10	ND	20.00	ug/L	95%		70-130	1
Surrogates								
Dibromofluoromethane	51.16		50.00	ug/L	102%		70-130	1
1,2-Dichloroethane-d4	49.76		50.00	ug/L	100%		70-130	1
Toluene-d8	45.18		50.00	ug/L	90%		70-130	1
Bromofluorobenzene	48.97		50.00	ug/L	98%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1233563	Batch:	364348
Matrix (Source ID):	Water (526830-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1233563 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	23.29	ND	20.00	ug/L	116%		70-130	5	30	1
MTBE	25.03	ND	20.00	ug/L	125%		75-130	6	30	1
Benzene	25.07	ND	20.00	ug/L	125%		70-130	7	30	1
Trichloroethene	21.70	ND	20.00	ug/L	109%		63-130	7	30	1
Toluene	19.98	ND	20.00	ug/L	100%		70-130	5	30	1
Chlorobenzene	20.42	ND	20.00	ug/L	102%		70-130	7	30	1
Surrogates										
Dibromofluoromethane	51.51		50.00	ug/L	103%		70-130			1
1,2-Dichloroethane-d4	50.10		50.00	ug/L	100%		70-130			1
Toluene-d8	45.08		50.00	ug/L	90%		70-130			1
Bromofluorobenzene	48.91		50.00	ug/L	98%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1233564	**Batch:** 364348	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1233564 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	02/27/25	02/27/25
Freon 12	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Chloromethane	ND		ug/L	5.0	0.4	02/27/25	02/27/25
Vinyl Chloride	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Bromomethane	ND		ug/L	5.0	0.3	02/27/25	02/27/25
Chloroethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Acetone	ND		ug/L	100	16	02/27/25	02/27/25
Freon 113	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Methylene Chloride	ND		ug/L	5.0	1.4	02/27/25	02/27/25
MTBE	ND		ug/L	5.0	0.2	02/27/25	02/27/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
2-Butanone	ND		ug/L	100	3.1	02/27/25	02/27/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	02/27/25	02/27/25
Chloroform	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Bromochloromethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	02/27/25	02/27/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	02/27/25	02/27/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Benzene	ND		ug/L	5.0	0.09	02/27/25	02/27/25
Trichloroethene	ND		ug/L	5.0	0.2	02/27/25	02/27/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Dibromomethane	ND		ug/L	5.0	0.09	02/27/25	02/27/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	02/27/25	02/27/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Toluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Tetrachloroethene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Chlorobenzene	ND		ug/L	5.0	0.09	02/27/25	02/27/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Ethylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
m,p-Xylenes	ND		ug/L	10	0.2	02/27/25	02/27/25
o-Xylene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Styrene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Bromoform	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Isopropylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/27/25	02/27/25

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Batch QC

QC1233564 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Bromobenzene	ND		ug/L	5.0	0.07	02/27/25	02/27/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
n-Butylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	02/27/25	02/27/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	02/27/25	02/27/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Naphthalene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	02/27/25	02/27/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	02/27/25	02/27/25
Xylene (total)	ND		ug/L	5.0		02/27/25	02/27/25
Surrogates				**Limits**			
Dibromofluoromethane	109%		%REC	70-130		02/27/25	02/27/25
1,2-Dichloroethane-d4	109%		%REC	70-130		02/27/25	02/27/25
Toluene-d8	89%		%REC	70-130		02/27/25	02/27/25
Bromofluorobenzene	97%		%REC	70-130		02/27/25	02/27/25

Type: Lab Control Sample **Lab ID:** QC1233790 **Batch:** 364348
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1233790 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.09	50.00	ug/L	100%		70-135
MTBE	55.06	50.00	ug/L	110%		70-130
Benzene	51.91	50.00	ug/L	104%		70-130
Trichloroethene	44.55	50.00	ug/L	89%		70-130
Toluene	42.96	50.00	ug/L	86%		70-130
Chlorobenzene	42.84	50.00	ug/L	86%		70-130
Surrogates						
Dibromofluoromethane	50.61	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	49.22	50.00	ug/L	98%		70-130
Toluene-d8	45.65	50.00	ug/L	91%		70-130
Bromofluorobenzene	50.86	50.00	ug/L	102%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1232064**	**Batch:**	**363843**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3535**

QC1232064 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	02/21/25	02/22/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	96%		%REC	80-120		02/21/25	02/22/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1232065**	**Batch:**	**363843**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3535**

QC1232065 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.625	10.00	ug/L	86%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.01	10.00	ug/L	100%		80-120

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1232066**	**Batch:**	**363843**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3535**

QC1232066 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.734	10.00	ug/L	87%		80-120	1	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.28	10.00	ug/L	103%		80-120		

Type:	**Blank**	**Lab ID:**	**QC1231292**	**Batch:**	**363624**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1231292 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/20/25	02/20/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1231293**	**Batch:**	**363624**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1231293 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1231294**	**Batch:**	**363624**
Matrix (Source ID):	**Drinking Water (526290-002)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1231294 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate **Lab ID:** QC1231821 **Batch:** 363624
Matrix (Source ID): Drinking Water (526290-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1231821 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	0	20	1

Type: Blank **Lab ID:** QC1234517 **Batch:** 364639
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1234517 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/01/25	03/01/25

Type: Lab Control Sample **Lab ID:** QC1234518 **Batch:** 364639
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1234518 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.55	25.00	mg/L	98%		85-115

Type: Matrix Spike **Lab ID:** QC1234519 **Batch:** 364639
Matrix (Source ID): Water (526830-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1234519 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.88	2.343	25.00	mg/L	106%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1234520 **Batch:** 364639
Matrix (Source ID): Water (526830-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1234520 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	28.43	2.343	25.00	mg/L	104%		75-125	2	25	1

Type: Blank **Lab ID:** QC1232287 **Batch:** 363915
Matrix: Water **Method:** SM2320B **Prep Method:** METHOD

QC1232287 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		02/22/25	02/22/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		02/22/25	02/22/25

Type: Lab Control Sample **Lab ID:** QC1232288 **Batch:** 363915
Matrix: Water **Method:** SM2320B **Prep Method:** METHOD

QC1232288 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	930.8	1000	mg/L	93%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1232289	Batch:	363915
Matrix (Source ID):	Water (527169-002)	Method:	SM2320B	Prep Method:	METHOD

QC1232289 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	187.7	185.4	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	187.7	185.4	mg/L		1	20	2.5

Type:	Blank	Lab ID:	QC1231819	Batch:	363770
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1231819 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/21/25	02/22/25

Type:	Lab Control Sample	Lab ID:	QC1231820	Batch:	363770
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1231820 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,002	1000	mg/L	100%		90-110

Type:	Sample Duplicate	Lab ID:	QC1231823	Batch:	363770
Matrix (Source ID):	Water (526843-003)	Method:	SM2540C	Prep Method:	METHOD

QC1231823 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	113.0	116.0	mg/L		3	5	1

Type:	Sample Duplicate	Lab ID:	QC1231841	Batch:	363770
Matrix (Source ID):	Water (526494-001)	Method:	SM2540C	Prep Method:	METHOD

QC1231841 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	404.0	422.0	mg/L		4	5	2

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 526830

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2502F10

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-526830

Project Location:
Project Received: 02/21/2025

Analytical Report reviewed & approved for release on 02/28/2025 by:

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502F10
Project: EO-526830

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502F10

Project: EO-526830

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502F10
Date Received:	02/21/2025 10:21	**Extraction Method:**	RSK175
Date Prepared:	02/24/2025-02/25/2025	**Analytical Method:**	RSK175
Project:	EO-526830	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-12	2502F10-001A	Water	02/18/2025 08:59	GC26 0224250305.D	312046

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1700**	100	100	2	02/24/2025 16:53

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-7	2502F10-002A	Water	02/18/2025 09:57	GC26 0224250306.D	312046

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**640**	50	50	1	02/24/2025 17:21

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-18	2502F10-003A	Water	02/18/2025 11:05	GC26 0225250905.D	312166

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**4800**	250	250	5	02/25/2025 13:04

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502F10
Date Received:	02/21/2025 10:21	**Extraction Method:**	RSK175
Date Prepared:	02/24/2025-02/25/2025	**Analytical Method:**	RSK175
Project:	EO-526830	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-21	2502F10-004A	Water	02/18/2025 11:48	GC26 0225250906.D	312166

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**350**	50	50	1	02/25/2025 13:55

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2502F10-005A	Water	02/18/2025 13:14	GC26 0225250908.D	312166

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**44,000**	2500	2500	50	02/25/2025 14:32

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502F10
Date Prepared:	02/24/2025	**BatchID:**	312046
Date Analyzed:	02/24/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-526830	**Sample ID:**	MB/LCS/LCSD-312046

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	180	210	187.2	98	114	70-130	14.2	30

(Cont.)

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502F10
Date Prepared:	02/25/2025	**BatchID:**	312166
Date Analyzed:	02/25/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-526830	**Sample ID:**	MB/LCS/LCSD-312166

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	210	230	187.2	113	121	70-130	6.82	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502F10 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-526830

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **02/21/2025**
Date Logged: **02/21/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502F10-001	DW-12	Water	2/18/2025 08:59	☐	A	A										
2502F10-002	DW-7	Water	2/18/2025 09:57	☐	A	A										
2502F10-003	DW-18	Water	2/18/2025 11:05	☐	A	A										
2502F10-004	DW-21	Water	2/18/2025 11:48	☐	A	A										
2502F10-005	DW-31	Water	2/18/2025 13:14	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Gemma Gomez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-526830 **Work Order:** 2502F10
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 2/21/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-12	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	2/18/2025 8:59	5 days	2/28/2025	None	☐	☐
002A	DW-7	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	2/18/2025 9:57	5 days	2/28/2025	None	☐	☐
003A	DW-18	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	2/18/2025 11:05	5 days	2/28/2025	None	☐	☐
004A	DW-21	Water	RSK175 (CO2)	2	VOA w/ HCl	☐	☐	☐	2/18/2025 11:48	5 days	2/28/2025	None	☐	☐
005A	DW-31	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	2/18/2025 13:14	5 days	2/28/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2502F10

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-526830
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-12	18-FEB-2025 08:59	526830-001	3	Water	RSK-175 CO2	
DW-7	18-FEB-2025 09:57	526830-002	3	Water	RSK-175 CO2	
DW-18	18-FEB-2025 11:05	526830-003	3	Water	RSK-175 CO2	
DW-21	18-FEB-2025 11:48	526830-004	3	Water	RSK-175 CO2	
DW-31	18-FEB-2025 13:14	526830-005	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Quintero EA-ORA	
	Date: 2/20/25 1810	Date: 2/21/25 10:21
	Date:	Date:
	Date:	Date:

One VOA came in empty -g.g

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	2/21/2025 10:21
Project:	EO-526830	Date Logged:	2/21/2025
		Received by:	Gemma Gomez
WorkOrder №:	2502F10 Matrix: Water	Logged by:	Gemma Gomez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☑	No	☐	NA	☐
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.3°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526963
Report Level : II
Report Date : 03/07/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	526963 GW MONITORING Chiquita Canyon Landfill 02/19/25

Sample ID	Lab ID	Collected	Matrix
DW-29	526963-001	02/19/25 08:41	Water
DW-1	526963-002	02/19/25 09:32	Water
DW-16	526963-003	02/19/25 10:32	Water
DW-3	526963-004	02/19/25 11:34	Water
QCFB	526963-005	02/19/25 08:43	Water
QCTB	526963-006	02/19/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 526963 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 02/19/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 02/19/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Naphthalene and 1,2,4-trichlorobenzene were detected between the MDL and the RL in the method blank for batch 364374; these analytes were not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):

- High recoveries were observed for chemical oxygen demand in the MS/MSD for batch 363781; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 526963

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide	
1	DW-29	2/19/25	841	W	13	var.	X	X	X	X	X	X	X	X	X	
2	DW-1	"	932	"	"	"	X	X	X	X	X	X	X	X	X	
3	DW-16	"	1032	"	"	"	X	X	X	X	X	X	X	X	X	
4	DW-3	"	1134	"	"	"	X	X	X	X	X	X	X	X	X	
5	QCFB	"	843	"	3	"	X	X	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	JW 2/19
6	QCTB	—	—	"	2	"	X									
7																
8																
9																
10																

Analysis Request

Test Instructions / Comments

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

JR13 2.8

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	2.19.25 1253
[1] Received By:		Jim Lin	EA-NH	2.19.25 1253
[2] Relinquished By:		Jim Lin	EA-NH	2.20.25 0900
[2] Received By:		Rene C.	EA NH	2/20/25 0900
[3] Relinquished By:		Rene C.	EA NH	2/20/25 11:07
[3] Received By:		[illegible]	E.A	2/20/25 11:07
		[illegible]	E.A	2/20/25 11:40

Received: MCH EA 2/20/25 11:40

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2·19·25 WO# _____ Client: Chiquita Canyon L.F.

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2·19·25 By (initials) JWL Type of ice used : ~~☑~~ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: ~~-0.2C~~ -0.7C JWL

Cooler Temp (°C) #1: 12.6/11.9 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	~		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	~		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			~
13) Are VOA vials free from headspace/bubbles > 6mm?			~

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 02/20/25 WO# 526963 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 02/20/25 By (initials) HNT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 3.8 / 3.8 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 02/20/25 **By (print)** JETH CO **(sign)** _____

Date Labeled 2/20/25 **By (print)** EF/Orange **(sign)** _____

Zach Barker

From: Paul Chang <pchang@changenvironmental.com>
Sent: Monday, February 24, 2025 2:53 PM
To: Zach Barker
Subject: [External] - Re: Groundwater Samples - Field Blank

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Oops... yes, that's a mistake. Only 8260 is requested.
Thanks,
Paul

On Mon, Feb 24, 2025, 2:49 PM Zach Barker <Zach.barker@enthalpy.com> wrote:

> Hi Paul,
>
> Per the attached COC, it looks like 1,4-dioxane was requested on the field blank, which we haven't done in the past. It sounds like we didn't receive a bottle for 1,4-dioxane on the FB either. Can you please confirm that only 8260 is requested? If you do need 1,4-dioxane on the FB moving forward, I will account for that in March's bottle order.
>
> Thanks,
>
> **Zach Barker**
> Project Manager
>
> Enthalpy Analytical
>
> 931 W Barkley Ave. | Orange, CA 92868
>
> Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
>
> zach.barker@enthalpy.com |enthalpy.com
>
> Terms and Conditions

ENTHALPY ANALYTICAL

Analysis Results for 526963

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526963
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/19/25

Sample ID: DW-29 **Lab ID: 526963-001** **Collected: 02/19/25 08:41**
Matrix: Water

526963-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.42**		mg/L	0.20	0.073	1	363698	02/20/25 18:00	02/21/25 00:03	JAA
Chloride	**86**		mg/L	1.0	0.27	1	363698	02/20/25 18:00	02/21/25 00:03	JAA
Bromide	**0.27**	J	mg/L	0.30	0.060	1	363698	02/20/25 18:00	02/21/25 00:03	JAA
Nitrogen, Nitrate	**2.4**		mg/L	0.10	0.05	1	363698	02/20/25 18:00	02/21/25 00:03	JAA
Sulfate	**320**		mg/L	10	1.8	10	363698	02/20/25 18:00	02/21/25 00:54	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	364856	03/04/25	03/06/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**5.0**		mg/L	4.0	1.6	1	363781	02/21/25	02/24/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.32**		mg/L	0.050	0.0062	1	363684	02/20/25	02/20/25	CAP
Calcium	**59**		mg/L	0.57	0.57	1	363684	02/20/25	02/20/25	CAP
Iron	ND		mg/L	0.041	0.041	1	363684	02/20/25	02/20/25	CAP
Magnesium	**8.1**		mg/L	0.10	0.025	1	363684	02/20/25	02/20/25	CAP
Manganese	**0.095**		mg/L	0.010	0.0029	1	363684	02/20/25	02/20/25	CAP
Potassium	**1.2**		mg/L	0.50	0.42	1	363684	02/20/25	02/20/25	CAP
Sodium	**230**		mg/L	5.0	3.5	10	363684	02/20/25	02/20/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364374	02/27/25	02/27/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	364374	02/27/25	02/27/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Acetone	ND		ug/L	100	16	1	364374	02/27/25	02/27/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	364374	02/27/25	02/27/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	364374	02/27/25	02/27/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Chloroform	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526963

526963-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Benzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364374	02/27/25	02/27/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	364374	02/27/25	02/27/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	364374	02/27/25	02/27/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364374	02/27/25	02/27/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Xylene (total)	ND		ug/L	5.0		1	364374	02/27/25	02/27/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526963

526963-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	111%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Toluene-d8	87%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Bromofluorobenzene	96%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	364012	02/24/25	02/25/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	364012	02/24/25	02/25/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363889	02/22/25	02/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**6.0**		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**250**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**250**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**940**		mg/L	20		2	364155	02/25/25	02/26/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526963

Sample ID: DW-1	Lab ID: 526963-002	Collected: 02/19/25 09:32
	Matrix: Water	

526963-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.76**		mg/L	0.20	0.073	1	363698	02/20/25 18:00	02/21/25 01:10	JAA
Chloride	**110**		mg/L	1.0	0.27	1	363698	02/20/25 18:00	02/21/25 01:10	JAA
Bromide	**0.25**	J	mg/L	0.30	0.060	1	363698	02/20/25 18:00	02/21/25 01:10	JAA
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	363698	02/20/25 18:00	02/21/25 01:10	JAA
Sulfate	**340**		mg/L	10	1.8	10	363698	02/20/25 18:00	02/21/25 01:27	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	364856	03/04/25	03/06/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363781	02/21/25	02/24/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0062	1	363684	02/20/25	02/20/25	CAP
Calcium	**52**		mg/L	0.57	0.57	1	363684	02/20/25	02/20/25	CAP
Iron	ND		mg/L	0.041	0.041	1	363684	02/20/25	02/20/25	CAP
Magnesium	**9.7**		mg/L	0.10	0.025	1	363684	02/20/25	02/20/25	CAP
Manganese	**0.043**		mg/L	0.010	0.0029	1	363684	02/20/25	02/20/25	CAP
Potassium	**2.2**		mg/L	0.50	0.42	1	363684	02/20/25	02/20/25	CAP
Sodium	**220**		mg/L	5.0	3.5	10	363684	02/20/25	02/20/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364374	02/27/25	02/27/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	364374	02/27/25	02/27/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Acetone	ND		ug/L	100	16	1	364374	02/27/25	02/27/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	364374	02/27/25	02/27/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	364374	02/27/25	02/27/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Chloroform	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526963

526963-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364374	02/27/25	02/27/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Tetrachloroethene	**0.2**	J	ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	364374	02/27/25	02/27/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	364374	02/27/25	02/27/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364374	02/27/25	02/27/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Xylene (total)	ND		ug/L	5.0		1	364374	02/27/25	02/27/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane-d4	112%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Toluene-d8	88%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Bromofluorobenzene	97%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 526963

526963-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	364012	02/24/25	02/25/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	364012	02/24/25	02/25/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363889	02/22/25	02/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.4**		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**180**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**850**		mg/L	20		2	364155	02/25/25	02/26/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 526963

Sample ID: DW-16	Lab ID: 526963-003	Collected: 02/19/25 10:32
	Matrix: Water	

526963-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.39**		mg/L	0.20	0.073	1	363698	02/20/25 18:00	02/21/25 01:44	JAA
Chloride	**100**		mg/L	1.0	0.27	1	363698	02/20/25 18:00	02/21/25 01:44	JAA
Bromide	**0.23**	J	mg/L	0.30	0.060	1	363698	02/20/25 18:00	02/21/25 01:44	JAA
Nitrogen, Nitrate	**2.1**		mg/L	0.10	0.05	1	363698	02/20/25 18:00	02/21/25 01:44	JAA
Sulfate	**180**		mg/L	10	1.8	10	363698	02/20/25 18:00	02/21/25 02:01	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	364856	03/04/25	03/06/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363781	02/21/25	02/24/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.13**		mg/L	0.050	0.0062	1	363684	02/20/25	02/20/25	CAP
Calcium	**6.8**		mg/L	0.57	0.57	1	363684	02/20/25	02/20/25	CAP
Iron	ND		mg/L	0.041	0.041	1	363684	02/20/25	02/20/25	CAP
Magnesium	**0.39**		mg/L	0.10	0.025	1	363684	02/20/25	02/20/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	363684	02/20/25	02/20/25	CAP
Potassium	**0.74**		mg/L	0.50	0.42	1	363684	02/20/25	02/20/25	CAP
Sodium	**240**		mg/L	5.0	3.5	10	363684	02/20/25	02/20/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364374	02/27/25	02/27/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	364374	02/27/25	02/27/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Acetone	ND		ug/L	100	16	1	364374	02/27/25	02/27/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	364374	02/27/25	02/27/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethane	**1.5**	J	ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	364374	02/27/25	02/27/25	EJB
cis-1,2-Dichloroethene	**0.9**	J	ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Chloroform	**0.7**	J	ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 526963

526963-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	**0.2**	J	ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Trichloroethene	**0.7**	J	ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364374	02/27/25	02/27/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Tetrachloroethene	**0.6**	J	ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	364374	02/27/25	02/27/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	364374	02/27/25	02/27/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,4-Dichlorobenzene	**0.2**	J	ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364374	02/27/25	02/27/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Xylene (total)	ND		ug/L	5.0		1	364374	02/27/25	02/27/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane-d4	110%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Toluene-d8	87%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Bromofluorobenzene	97%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 526963

526963-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	364012	02/24/25	02/25/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	364012	02/24/25	02/25/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363889	02/22/25	02/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.8**		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**220**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**220**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**620**		mg/L	20		2	364155	02/25/25	02/26/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 526963

Sample ID: DW-3	Lab ID: 526963-004	Collected: 02/19/25 11:34
	Matrix: Water	

526963-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.62**		mg/L	0.20	0.073	1	363698	02/20/25 18:00	02/21/25 02:18	JAA
Chloride	**59**		mg/L	1.0	0.27	1	363698	02/20/25 18:00	02/21/25 02:18	JAA
Bromide	**0.16**	J	mg/L	0.30	0.060	1	363698	02/20/25 18:00	02/21/25 02:18	JAA
Nitrogen, Nitrate	**1.8**		mg/L	0.10	0.05	1	363698	02/20/25 18:00	02/21/25 02:18	JAA
Sulfate	**100**		mg/L	10	1.8	10	363698	02/20/25 18:00	02/21/25 02:35	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	364856	03/04/25	03/06/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	363781	02/21/25	02/24/25	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.26**		mg/L	0.050	0.0062	1	363684	02/20/25	02/20/25	CAP
Calcium	**32**		mg/L	0.57	0.57	1	363684	02/20/25	02/20/25	CAP
Iron	ND		mg/L	0.041	0.041	1	363684	02/20/25	02/20/25	CAP
Magnesium	**4.0**		mg/L	0.10	0.025	1	363684	02/20/25	02/20/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	363684	02/20/25	02/20/25	CAP
Potassium	**1.3**		mg/L	0.50	0.42	1	363684	02/20/25	02/20/25	CAP
Sodium	**120**		mg/L	0.50	0.34	1	363684	02/20/25	02/20/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364374	02/27/25	02/27/25	EJB
Freon 12	**6.0**		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	364374	02/27/25	02/27/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Acetone	ND		ug/L	100	16	1	364374	02/27/25	02/27/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	364374	02/27/25	02/27/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethane	**0.3**	J	ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	364374	02/27/25	02/27/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Chloroform	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526963

526963-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364374	02/27/25	02/27/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Tetrachloroethene	**0.8**	J	ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	364374	02/27/25	02/27/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	364374	02/27/25	02/27/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364374	02/27/25	02/27/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Xylene (total)	ND		ug/L	5.0		1	364374	02/27/25	02/27/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane-d4	109%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Toluene-d8	87%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Bromofluorobenzene	97%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 526963

526963-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	364012	02/24/25	02/25/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	364012	02/24/25	02/25/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363889	02/22/25	02/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	364639	03/01/25	03/01/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**170**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	5.0		2.5	363915	02/22/25	02/22/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**460**		mg/L	20		2	364155	02/25/25	02/26/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 526963

Sample ID: QCFB	Lab ID: 526963-005	Collected: 02/19/25 08:43
	Matrix: Water	

526963-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364374	02/27/25	02/27/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	364374	02/27/25	02/27/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Acetone	ND		ug/L	100	16	1	364374	02/27/25	02/27/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	364374	02/27/25	02/27/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	364374	02/27/25	02/27/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Chloroform	**0.6**	J	ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Benzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364374	02/27/25	02/27/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	364374	02/27/25	02/27/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 526963

526963-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	364374	02/27/25	02/27/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364374	02/27/25	02/27/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Xylene (total)	ND		ug/L	5.0		1	364374	02/27/25	02/27/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane-d4	111%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Toluene-d8	87%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Bromofluorobenzene	97%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526963

Sample ID: QCTB	Lab ID: 526963-006	Collected: 02/19/25
	Matrix: Water	

526963-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364374	02/27/25	02/27/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	364374	02/27/25	02/27/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Acetone	ND		ug/L	100	16	1	364374	02/27/25	02/27/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Methylene Chloride	ND		ug/L	5.0	1.4	1	364374	02/27/25	02/27/25	EJB
MTBE	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
2-Butanone	ND		ug/L	100	3.1	1	364374	02/27/25	02/27/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Chloroform	**0.7**	J	ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364374	02/27/25	02/27/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Benzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromomethane	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364374	02/27/25	02/27/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	364374	02/27/25	02/27/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	364374	02/27/25	02/27/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromoform	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526963

526963-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364374	02/27/25	02/27/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Bromobenzene	ND		ug/L	5.0	0.07	1	364374	02/27/25	02/27/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364374	02/27/25	02/27/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364374	02/27/25	02/27/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364374	02/27/25	02/27/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364374	02/27/25	02/27/25	EJB
Xylene (total)	ND		ug/L	5.0		1	364374	02/27/25	02/27/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
1,2-Dichloroethane-d4	109%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Toluene-d8	86%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB
Bromofluorobenzene	96%		%REC	70-130		1	364374	02/27/25	02/27/25	EJB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1231571**	**Batch:**	**363698**
Matrix (Source ID):	**Water (527048-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231571 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	18.98	ND	20.00	mg/L	95%		80-120	1
Chloride	137.0	38.74	100.0	mg/L	98%		80-120	1
Bromide	14.24	ND	15.00	mg/L	95%		80-120	1
Nitrogen, Nitrate	9.465	0.7812	9.036	mg/L	96%		80-120	1
Sulfate	62.75	14.75	50.00	mg/L	96%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1231572**	**Batch:**	**363698**
Matrix (Source ID):	**Water (527048-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231572 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.18	ND	20.00	mg/L	96%		80-120	1	20	1
Chloride	137.9	38.74	100.0	mg/L	99%		80-120	1	20	1
Bromide	14.38	ND	15.00	mg/L	96%		80-120	1	20	1
Nitrogen, Nitrate	9.540	0.7812	9.036	mg/L	97%		80-120	1	20	1
Sulfate	63.19	14.75	50.00	mg/L	97%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC1231573**	**Batch:**	**363698**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231573 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	02/20/25 18:00	02/20/25 18:09
Chloride	ND		mg/L	1.0	0.27	02/20/25 18:00	02/20/25 18:09
Bromide	ND		mg/L	0.30	0.060	02/20/25 18:00	02/20/25 18:09
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/20/25 18:00	02/20/25 18:09
Sulfate	ND		mg/L	1.0	0.18	02/20/25 18:00	02/20/25 18:09

Type:	**Lab Control Sample**	**Lab ID:**	**QC1231574**	**Batch:**	**363698**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1231574 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.510	10.00	mg/L	95%		90-110
Chloride	47.47	50.00	mg/L	95%		90-110
Bromide	14.83	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.424	4.518	mg/L	98%		90-110
Sulfate	24.59	25.00	mg/L	98%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1231575	Batch:	363698
Matrix (Source ID):	Water (527046-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1231575 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.29	0.5860	20.00	mg/L	94%		80-120	1
Chloride	192.8	103.8	100.0	mg/L	89%		80-120	1
Bromide	14.04	0.2449	15.00	mg/L	92%		80-120	1
Nitrogen, Nitrate	8.429	ND	9.036	mg/L	93%		80-120	1
Sulfate	688.7	1168	50.00	mg/L	-959%	E,NM	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1231576	Batch:	363698
Matrix (Source ID):	Water (527046-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1231576 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.36	0.5860	20.00	mg/L	94%		80-120	0	20	1
Chloride	193.2	103.8	100.0	mg/L	89%		80-120	0	20	1
Bromide	14.10	0.2449	15.00	mg/L	92%		80-120	0	20	1
Nitrogen, Nitrate	8.461	ND	9.036	mg/L	94%		80-120	0	20	1
Sulfate	689.1	1168	50.00	mg/L	-958%	E,NM	80-120		20	1

Type:	Lab Control Sample	Lab ID:	QC1235278	Batch:	364856
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1235278 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9728	1.000	mg/L	97%		90-110

Type:	Blank	Lab ID:	QC1235279	Batch:	364856
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1235279 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/04/25	03/06/25

Type:	Matrix Spike	Lab ID:	QC1235358	Batch:	364856
Matrix (Source ID):	Water (526963-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1235358 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9695	ND	1.000	mg/L	97%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1235359	Batch:	364856
Matrix (Source ID):	Water (526963-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1235359 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.008	ND	1.000	mg/L	101%		90-110	4	20	1

Type:	Matrix Spike	Lab ID:	QC1235360	Batch:	364856
Matrix (Source ID):	Water (526963-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1235360 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.006	ND	1.000	mg/L	101%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1235361	Batch:	364856
Matrix (Source ID):	Water (526963-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1235361 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.023	ND	1.000	mg/L	102%		90-110	2	20	1

Type:	Blank	Lab ID:	QC1231856	Batch:	363781
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1231856 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	02/21/25	02/24/25

Type:	Lab Control Sample	Lab ID:	QC1231857	Batch:	363781
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1231857 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	98.00	100.0	mg/L	98%		90-110

Type:	Matrix Spike	Lab ID:	QC1231858	Batch:	363781
Matrix (Source ID):	Water (526702-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1231858 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	146.0	9.000	100.0	mg/L	137%	*	75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1231859**	**Batch:**	**363781**
Matrix (Source ID):	**Water (526702-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1231859 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	144.0	9.000	100.0	mg/L	135%	*	75-125	1	20	2

Type:	**Blank**	**Lab ID:**	**QC1231514**	**Batch:**	**363684**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1231514 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	02/20/25	02/20/25
Calcium	ND		mg/L	0.57	0.57	02/20/25	02/20/25
Iron	ND		mg/L	0.041	0.041	02/20/25	02/20/25
Magnesium	ND		mg/L	0.10	0.025	02/20/25	02/20/25
Manganese	ND		mg/L	0.010	0.0029	02/20/25	02/20/25
Potassium	ND		mg/L	0.50	0.42	02/20/25	02/20/25
Sodium	ND		mg/L	0.50	0.34	02/20/25	02/20/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1231515**	**Batch:**	**363684**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1231515 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3489	0.4000	mg/L	87%		80-120
Calcium	18.65	20.40	mg/L	91%		80-120
Iron	0.3651	0.4000	mg/L	91%		80-120
Magnesium	18.43	20.40	mg/L	90%		80-120
Manganese	0.3551	0.4000	mg/L	89%		80-120
Potassium	20.74	24.00	mg/L	86%		80-120
Sodium	18.09	20.40	mg/L	89%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1231516**	**Batch:**	**363684**
Matrix (Source ID):	**Water (526963-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1231516 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6830	0.3239	0.4000	mg/L	90%		75-125	1
Calcium	76.71	59.13	20.40	mg/L	86%		75-125	1
Iron	0.3757	ND	0.4000	mg/L	94%		75-125	1
Magnesium	26.46	8.098	20.40	mg/L	90%		75-125	1
Manganese	0.4524	0.09516	0.4000	mg/L	89%		75-125	1
Potassium	22.84	1.239	24.00	mg/L	90%		75-125	1
Sodium	248.2	234.2	20.40	mg/L	69%	NM	75-125	10

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1231517	Batch:	363684
Matrix (Source ID):	Water (526963-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1231517 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6755	0.3239	0.4000	mg/L	88%		75-125	1	20	1
Calcium	76.38	59.13	20.40	mg/L	85%		75-125	0	20	1
Iron	0.3668	ND	0.4000	mg/L	92%		75-125	2	20	1
Magnesium	25.90	8.098	20.40	mg/L	87%		75-125	2	20	1
Manganese	0.4437	0.09516	0.4000	mg/L	87%		75-125	2	20	1
Potassium	22.19	1.239	24.00	mg/L	87%		75-125	3	20	1
Sodium	247.1	234.2	20.40	mg/L	63%	NM	75-125	0	20	10

Type:	Serial Dilution	Lab ID:	QC1231702	Batch:	363684
Matrix (Source ID):	Water (526843-004)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1231702 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.1092	0.1086	mg/L	J			5
Calcium	74.35	72.64	mg/L				5
Iron	12.22	11.91	mg/L				5
Magnesium	8.632	8.394	mg/L				5
Manganese	0.5005	0.4946	mg/L				5
Potassium	10.24	10.44	mg/L				5
Sodium	71.76	70.04	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1233656	**Batch:** 364374	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1233656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	02/27/25	02/27/25
Freon 12	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Chloromethane	ND		ug/L	5.0	0.4	02/27/25	02/27/25
Vinyl Chloride	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Bromomethane	ND		ug/L	5.0	0.3	02/27/25	02/27/25
Chloroethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Acetone	ND		ug/L	100	16	02/27/25	02/27/25
Freon 113	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Methylene Chloride	ND		ug/L	5.0	1.4	02/27/25	02/27/25
MTBE	ND		ug/L	5.0	0.2	02/27/25	02/27/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
2-Butanone	ND		ug/L	100	3.1	02/27/25	02/27/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	02/27/25	02/27/25
Chloroform	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Bromochloromethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	02/27/25	02/27/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	02/27/25	02/27/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Benzene	ND		ug/L	5.0	0.09	02/27/25	02/27/25
Trichloroethene	ND		ug/L	5.0	0.2	02/27/25	02/27/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Dibromomethane	ND		ug/L	5.0	0.09	02/27/25	02/27/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	02/27/25	02/27/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Toluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Tetrachloroethene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	02/27/25	02/27/25
Chlorobenzene	ND		ug/L	5.0	0.09	02/27/25	02/27/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Ethylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
m,p-Xylenes	ND		ug/L	10	0.2	02/27/25	02/27/25
o-Xylene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Styrene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Bromoform	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Isopropylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/27/25	02/27/25

ENTHALPY ANALYTICAL

Batch QC

QC1233656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Bromobenzene	ND		ug/L	5.0	0.07	02/27/25	02/27/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
n-Butylbenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	02/27/25	02/27/25
1,2,4-Trichlorobenzene	0.1	J	ug/L	5.0	0.08	02/27/25	02/27/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
Naphthalene	0.2	J	ug/L	5.0	0.1	02/27/25	02/27/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	02/27/25	02/27/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	02/27/25	02/27/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	02/27/25	02/27/25
Xylene (total)	ND		ug/L	5.0		02/27/25	02/27/25
Surrogates				**Limits**			
Dibromofluoromethane	110%		%REC	70-130		02/27/25	02/27/25
1,2-Dichloroethane-d4	109%		%REC	70-130		02/27/25	02/27/25
Toluene-d8	88%		%REC	70-130		02/27/25	02/27/25
Bromofluorobenzene	97%		%REC	70-130		02/27/25	02/27/25

Type: Matrix Spike **Lab ID:** QC1233841 **Batch:** 364374
Matrix (Source ID): Water (527529-003) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1233841 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,193	ND	1000	ug/L	119%		70-130	50
MTBE	1,241	ND	1000	ug/L	124%		75-130	50
Benzene	1,309	16.48	1000	ug/L	129%		70-130	50
Trichloroethene	1,065	ND	1000	ug/L	106%		63-130	50
Toluene	1,001	18.42	1000	ug/L	98%		70-130	50
Chlorobenzene	1,075	ND	1000	ug/L	107%		70-130	50
Surrogates								
Dibromofluoromethane	2,582		2500	ug/L	103%		70-130	50
1,2-Dichloroethane-d4	2,540		2500	ug/L	102%		70-130	50
Toluene-d8	2,228		2500	ug/L	89%		70-130	50
Bromofluorobenzene	2,470		2500	ug/L	99%		70-130	50

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1233842	Batch:	364374
Matrix (Source ID):	Water (527529-003)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1233842 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	1,184	ND	1000	ug/L	118%		70-130	1	30	50
MTBE	1,207	ND	1000	ug/L	121%		75-130	3	30	50
Benzene	1,286	16.48	1000	ug/L	127%		70-130	2	30	50
Trichloroethene	1,111	ND	1000	ug/L	111%		63-130	4	30	50
Toluene	1,021	18.42	1000	ug/L	100%		70-130	2	30	50
Chlorobenzene	1,011	ND	1000	ug/L	101%		70-130	6	30	50
Surrogates										
Dibromofluoromethane	2,602		2500	ug/L	104%		70-130			50
1,2-Dichloroethane-d4	2,528		2500	ug/L	101%		70-130			50
Toluene-d8	2,251		2500	ug/L	90%		70-130			50
Bromofluorobenzene	2,447		2500	ug/L	98%		70-130			50

Type:	Lab Control Sample	Lab ID:	QC1233866	Batch:	364374
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1233866 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.96	50.00	ug/L	100%		70-135
MTBE	55.85	50.00	ug/L	112%		70-130
Benzene	52.05	50.00	ug/L	104%		70-130
Trichloroethene	42.01	50.00	ug/L	84%		70-130
Toluene	41.02	50.00	ug/L	82%		70-130
Chlorobenzene	41.64	50.00	ug/L	83%		70-130
Surrogates						
Dibromofluoromethane	51.37	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	49.75	50.00	ug/L	100%		70-130
Toluene-d8	44.77	50.00	ug/L	90%		70-130
Bromofluorobenzene	50.53	50.00	ug/L	101%		70-130

Type:	Blank	Lab ID:	QC1232617	Batch:	364012
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1232617 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	02/24/25	02/25/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		02/24/25	02/25/25

Type:	Lab Control Sample	Lab ID:	QC1232618	Batch:	364012
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1232618 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.204	10.00	ug/L	92%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.67	10.00	ug/L	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1232619	Batch:	364012
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1232619 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.950	10.00	ug/L	89%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.17	10.00	ug/L	102%		80-120		

Type:	Blank	Lab ID:	QC1232228	Batch:	363889
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1232228 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/22/25	02/22/25

Type:	Lab Control Sample	Lab ID:	QC1232229	Batch:	363889
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1232229 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1232230	Batch:	363889
Matrix (Source ID):	Water (526797-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1232230 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1232231	Batch:	363889
Matrix (Source ID):	Water (526797-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1232231 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1234517	Batch:	364639
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1234517 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/01/25	03/01/25

Type:	Lab Control Sample	Lab ID:	QC1234518	Batch:	364639
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1234518 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.55	25.00	mg/L	98%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1234519	Batch:	364639
Matrix (Source ID):	Water (526830-001)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1234519 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.88	2.343	25.00	mg/L	106%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1234520	Batch:	364639
Matrix (Source ID):	Water (526830-001)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1234520 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	28.43	2.343	25.00	mg/L	104%		75-125	2	25	1

Type:	Blank	Lab ID:	QC1232287	Batch:	363915
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1232287 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		02/22/25	02/22/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		02/22/25	02/22/25

Type:	Lab Control Sample	Lab ID:	QC1232288	Batch:	363915
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1232288 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	930.8	1000	mg/L	93%		90-110

Type:	Sample Duplicate	Lab ID:	QC1232289	Batch:	363915
Matrix (Source ID):	Water (527169-002)	Method:	SM2320B	Prep Method:	METHOD

QC1232289 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	187.7	185.4	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	187.7	185.4	mg/L		1	20	2.5

Type:	Sample Duplicate	Lab ID:	QC1232990	Batch:	364155
Matrix (Source ID):	Water (526841-001)	Method:	SM2540C	Prep Method:	METHOD

QC1232990 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	11.50	12.00	mg/L		4	5	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1232991**	**Batch:**	**364155**
Matrix (Source ID):	**Water (526841-011)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1232991 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	ND	ND	mg/L			5	0.5

Type:	**Blank**	**Lab ID:**	**QC1232992**	**Batch:**	**364155**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1232992 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		02/25/25	02/26/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1232993**	**Batch:**	**364155**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1232993 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	997.5	1000	mg/L	100%		90-110

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 526963

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2502H75

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-526963

Project Location:
Project Received: 02/26/2025

Analytical Report reviewed & approved for release on 02/27/2025 by:

Yen Cao

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502H75

Project: EO-526963

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502H75

Project: EO-526963

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502H75
Date Received:	02/26/2025 10:59	**Extraction Method:**	RSK175
Date Prepared:	02/26/2025	**Analytical Method:**	RSK175
Project:	EO-526963	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2502H75-001A	Water	02/19/2025 08:41	GC26 0226250105.D	312247

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**9400**	500	500	10	02/26/2025 15:03

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2502H75-002A	Water	02/19/2025 09:32	GC26 0226250109.D	312247

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2400**	100	100	2	02/26/2025 16:00

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-16	2502H75-003A	Water	02/19/2025 10:32	GC26 0226250110.D	312247

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1200**	50	50	1	02/26/2025 16:12

Analyst(s): CLO

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502H75
Date Received:	02/26/2025 10:59	**Extraction Method:**	RSK175
Date Prepared:	02/26/2025	**Analytical Method:**	RSK175
Project:	EO-526963	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-3	2502H75-004A	Water	02/19/2025 11:34	GC26 0226250113.D	312247

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2700**	100	100	2	02/26/2025 17:26

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502H75
Date Prepared:	02/26/2025	**BatchID:**	312247
Date Analyzed:	02/26/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-526963	**Sample ID:**	MB/LCS/LCSD-312247

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	160	187.2	74	84	70-130	12.2	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502H75 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-526963

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 1 day;

Date Received: **02/26/2025**
Date Logged: **02/26/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502H75-001	DW-29	Water	2/19/2025 08:41	☐	A	A										
2502H75-002	DW-1	Water	2/19/2025 09:32	☐	A	A										
2502H75-003	DW-16	Water	2/19/2025 10:32	☐	A	A										
2502H75-004	DW-3	Water	2/19/2025 11:34	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Valerie Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-526963
Comments

Work Order: 2502H75
QC Level: LEVEL 2
Date Logged: 2/26/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-29	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/19/2025 8:41	1 day	2/27/2025	None	☐	☐
002A	DW-1	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/19/2025 9:32	1 day	2/27/2025	None	☐	☐
003A	DW-16	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/19/2025 10:32	1 day	2/27/2025	None	☐	☐
004A	DW-3	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	2/19/2025 11:34	1 day	2/27/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2502H75

HOLD TIME RUSH

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-526963
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-29	19-FEB-2025 08:41	526963-001	3 2	Water	RSK-175 CO2	
DW-1	19-FEB-2025 09:32	526963-002	3 2	Water	RSK-175 CO2	
DW-16	19-FEB-2025 10:32	526963-003	3 2	Water	RSK-175 CO2	
DW-3	19-FEB-2025 11:34	526963-004	3 2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	J. Cantagrel EA-ORA	GLS
	Date: 2/24/25 1400	Date:
	GLS	
	Date:	Date: 2/26/25 1059
	Date:	Date:

0.9°C wet
IRM

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"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	2/26/2025 10:59
Project:	EO-526963	Date Logged:	2/26/2025
		Received by:	
WorkOrder №:	2502H75 Matrix:	Logged by:	Valerie Alfaro
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.7°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Page 45 of 45

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528429
Report Level : II
Report Date : 03/28/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	528429 GW MONITORING Chiquita Canyon Landfill 03/10/25

Sample ID	Lab ID	Collected	Matrix
DW-28	528429-001	03/10/25 09:13	Water
DW-9	528429-002	03/10/25 10:37	Water
PZ-4	528429-003	03/10/25 11:49	Water
DW-14	528429-004	03/10/25 13:03	Water
QCFB	528429-005	03/10/25 09:16	Water
QCTB	528429-006	03/10/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 528429 Project No: GW MONITORING Location: Chiquita Canyon Landfill Date Received: 03/10/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/10/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 365560; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):

- High recovery was observed for chemical oxygen demand in the MS of DW-28 (lab # 528429-001); the LCS was within limits, the associated RPD was within limits, and the high recovery was not associated with any reported results.
- No other analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528429

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments

IR 13

25, 25

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-28	3/10/25	913	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-9	↓	1037	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	PZ-4		1149				X	X	X	X	X	X	X	X	X
4	DW-14		1303		↓		X	X	X	X	X	X	X	X	X
5	QCFB	↓	916		3		X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

Login 528429

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	3-10-25 1430
[1] Received By:		Jim Lin	EA-NH	3-10-25 1430
[2] Relinquished By:		Jim Lin	EA-NH	3-11-25 0830
[2] Received By:		Hrag B.	EA-NH	3/11/25 0830
[3] Relinquished By:		Hrag B.	EA-NH	3/11/25 1211
[3] Received By:		Nick	EA	3-11-25 1370

2 W/ Ice RA 3-11-25 1400 Rec: Ado78 Adam Dinkmeyer EA 3/11/25 1400

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3.10.25 WO# _____ Client: _____

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☒ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3.10.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2C -0.7C

Cooler Temp (°C) #1: 16.8/16.1 #2:____/____ #3:____/____ #4:____/____ #5:____/____ #6:____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/11/25 WO# 528429 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 2.5 / 2.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			X
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?			
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?		X	
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	\		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 3/10/25 **By (print)** FPDIWA **(sign)** _____

Date Labeled 3/11/35 **By (print)** ORANGE-EA **(sign)** _____

Zach Barker

From: Zach Barker
Sent: Tuesday, March 18, 2025 10:26 AM
To: Paul Chang
Subject: RSK-175 CO2 Hold Time Missed - DW-28, DW-9, PZ-4, DW-14
Attachments: 528429_COC.pdf

Hi Paul,

McCampbell reached out to me and advised that the subject 4 samples collected on 3/10 all missed hold time for RSK-175 CO2. I looked into this and found that GLS took 5 days to deliver these. They made it to McCampbell yesterday around 12:00 pm, but they were unable to have them analyzed within hold time.

I have advised McCampbell to proceed with analysis as we have done when hold time was missed for CO2 in the past. Please let me know if you would like the analysis canceled.

Let me know if you have any questions.

Thank you,

Zach Barker
Project Manager
Enthalpy Analytical
931 W Barkley Ave. | Orange, CA 92868
Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
zach.barker@enthalpy.com |enthalpy.com
Terms and Conditions

ENTHALPY ANALYTICAL

Analysis Results for 528429

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528429
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 03/10/25

Sample ID: DW-28 **Lab ID: 528429-001** **Collected: 03/10/25 09:13**
Matrix: Water

528429-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**1.2**		mg/L	0.20	0.034	1	365560	03/11/25 14:45	03/11/25 18:24	AJL
Chloride	**36**		mg/L	1.0	0.27	1	365560	03/11/25 14:45	03/11/25 18:24	AJL
Bromide	**0.17**	J	mg/L	0.30	0.060	1	365560	03/11/25 14:45	03/11/25 18:24	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	365560	03/11/25 14:45	03/11/25 18:24	AJL
Sulfate	**460**		mg/L	10	1.8	10	365560	03/11/25 14:45	03/11/25 18:46	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.32**		mg/L	0.10	0.050	1	366666	03/21/25	03/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.4**		mg/L	0.050	0.0055	1	365610	03/11/25	03/12/25	CAP
Calcium	**4.8**		mg/L	0.57	0.57	1	365610	03/11/25	03/12/25	CAP
Iron	ND		mg/L	0.046	0.046	1	365610	03/11/25	03/12/25	CAP
Magnesium	**0.82**		mg/L	0.10	0.025	1	365610	03/11/25	03/12/25	CAP
Manganese	**0.0037**	J	mg/L	0.010	0.0029	1	365610	03/11/25	03/12/25	CAP
Potassium	**0.90**		mg/L	0.50	0.40	1	365610	03/11/25	03/12/25	CAP
Sodium	**350**		mg/L	0.50	0.35	1	365610	03/11/25	03/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	365632	03/12/25	03/12/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromomethane	ND		ug/L	5.0	0.8	1	365632	03/12/25	03/12/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Acetone	ND		ug/L	100	17	1	365632	03/12/25	03/12/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	365632	03/12/25	03/12/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Butanone	ND		ug/L	100	2.0	1	365632	03/12/25	03/12/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528429

528429-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	365632	03/12/25	03/12/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Toluene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	365632	03/12/25	03/12/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Styrene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365632	03/12/25	03/12/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Xylene (total)	ND		ug/L	5.0		1	365632	03/12/25	03/12/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528429

528429-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	115%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Toluene-d8	97%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Bromofluorobenzene	93%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365701	03/12/25	03/13/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	96%		%REC	80-120		1	365701	03/12/25	03/13/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/12/25	03/12/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.8**		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**290**		mg/L	5.0		2.5	366196	03/15/25	03/15/25	WWC
Alkalinity, Total as CaCO3	**340**		mg/L	5.0		2.5	366196	03/15/25	03/15/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	365872	03/13/25	03/16/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528429

Sample ID: DW-9	Lab ID: 528429-002	Collected: 03/10/25 10:37
	Matrix: Water	

528429-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**2.0**		mg/L	0.20	0.034	1	365560	03/11/25 14:45	03/11/25 19:09	AJL
Chloride	**82**		mg/L	1.0	0.27	1	365560	03/11/25 14:45	03/11/25 19:09	AJL
Bromide	**0.26**	J	mg/L	0.30	0.060	1	365560	03/11/25 14:45	03/11/25 19:09	AJL
Nitrogen, Nitrate	**2.0**		mg/L	0.10	0.05	1	365560	03/11/25 14:45	03/11/25 19:09	AJL
Sulfate	**690**		mg/L	10	1.8	10	365560	03/11/25 14:45	03/11/25 19:31	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	366666	03/21/25	03/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**5.0**		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.60**		mg/L	0.050	0.0055	1	365610	03/11/25	03/12/25	CAP
Calcium	**22**		mg/L	0.57	0.57	1	365610	03/11/25	03/12/25	CAP
Iron	**0.25**		mg/L	0.046	0.046	1	365610	03/11/25	03/12/25	CAP
Magnesium	**2.3**		mg/L	0.10	0.025	1	365610	03/11/25	03/12/25	CAP
Manganese	**0.0045**	J	mg/L	0.010	0.0029	1	365610	03/11/25	03/12/25	CAP
Potassium	**1.4**		mg/L	0.50	0.40	1	365610	03/11/25	03/12/25	CAP
Sodium	**390**		mg/L	0.50	0.35	1	365610	03/11/25	03/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	365632	03/12/25	03/12/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromomethane	ND		ug/L	5.0	0.8	1	365632	03/12/25	03/12/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Acetone	ND		ug/L	100	17	1	365632	03/12/25	03/12/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	365632	03/12/25	03/12/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Butanone	ND		ug/L	100	2.0	1	365632	03/12/25	03/12/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528429

528429-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	365632	03/12/25	03/12/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Toluene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	365632	03/12/25	03/12/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Styrene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365632	03/12/25	03/12/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Xylene (total)	ND		ug/L	5.0		1	365632	03/12/25	03/12/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane-d4	116%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Toluene-d8	97%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Bromofluorobenzene	96%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528429

528429-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365701	03/12/25	03/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	365701	03/12/25	03/14/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/12/25	03/12/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.1**		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**170**		mg/L	10		5	366196	03/15/25	03/15/25	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	10		5	366196	03/15/25	03/15/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	365872	03/13/25	03/16/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528429

Sample ID: PZ-4	Lab ID: 528429-003	Collected: 03/10/25 11:49
	Matrix: Water	

528429-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.53**		mg/L	0.20	0.034	1	365560	03/11/25 14:45	03/11/25 19:54	AJL
Chloride	**61**		mg/L	1.0	0.27	1	365560	03/11/25 14:45	03/11/25 19:54	AJL
Bromide	**0.15**	J	mg/L	0.30	0.060	1	365560	03/11/25 14:45	03/11/25 19:54	AJL
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.05	1	365560	03/11/25 14:45	03/11/25 19:54	AJL
Sulfate	**130**		mg/L	10	1.8	10	365560	03/11/25 14:45	03/11/25 20:16	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	366666	03/21/25	03/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**15**		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.30**		mg/L	0.050	0.0055	1	365610	03/11/25	03/12/25	CAP
Calcium	**53**		mg/L	0.57	0.57	1	365610	03/11/25	03/12/25	CAP
Iron	ND		mg/L	0.046	0.046	1	365610	03/11/25	03/12/25	CAP
Magnesium	**10**		mg/L	0.10	0.025	1	365610	03/11/25	03/12/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	365610	03/11/25	03/12/25	CAP
Potassium	**2.1**		mg/L	0.50	0.40	1	365610	03/11/25	03/12/25	CAP
Sodium	**180**		mg/L	0.50	0.35	1	365610	03/11/25	03/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	365632	03/12/25	03/12/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromomethane	ND		ug/L	5.0	0.8	1	365632	03/12/25	03/12/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Acetone	ND		ug/L	100	17	1	365632	03/12/25	03/12/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	365632	03/12/25	03/12/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Butanone	ND		ug/L	100	2.0	1	365632	03/12/25	03/12/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528429

528429-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	365632	03/12/25	03/12/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Toluene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	365632	03/12/25	03/12/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Styrene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365632	03/12/25	03/12/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Xylene (total)	ND		ug/L	5.0		1	365632	03/12/25	03/12/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane-d4	115%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Toluene-d8	101%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Bromofluorobenzene	96%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528429

528429-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365701	03/12/25	03/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	365701	03/12/25	03/14/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/12/25	03/12/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**5.3**		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**380**		mg/L	10		5	366196	03/15/25	03/15/25	WWC
Alkalinity, Total as CaCO3	**380**		mg/L	10		5	366196	03/15/25	03/15/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**740**		mg/L	20		2	365872	03/13/25	03/16/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528429

Sample ID: DW-14	Lab ID: 528429-004	Collected: 03/10/25 13:03
	Matrix: Water	

528429-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.38**		mg/L	0.20	0.034	1	365560	03/11/25 14:45	03/11/25 20:39	AJL
Chloride	**96**		mg/L	1.0	0.27	1	365560	03/11/25 14:45	03/11/25 20:39	AJL
Bromide	**0.17**	J	mg/L	0.30	0.060	1	365560	03/11/25 14:45	03/11/25 20:39	AJL
Nitrogen, Nitrate	**0.33**		mg/L	0.10	0.05	1	365560	03/11/25 14:45	03/11/25 20:39	AJL
Sulfate	**30**		mg/L	1.0	0.18	1	365560	03/11/25 14:45	03/11/25 20:39	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	366666	03/21/25	03/24/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**4.0**		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.12**		mg/L	0.050	0.0055	1	365610	03/11/25	03/12/25	CAP
Calcium	**2.6**		mg/L	0.57	0.57	1	365610	03/11/25	03/12/25	CAP
Iron	**0.25**		mg/L	0.046	0.046	1	365610	03/11/25	03/12/25	CAP
Magnesium	**0.22**		mg/L	0.10	0.025	1	365610	03/11/25	03/12/25	CAP
Manganese	**0.0031**	J	mg/L	0.010	0.0029	1	365610	03/11/25	03/12/25	CAP
Potassium	**0.58**		mg/L	0.50	0.40	1	365610	03/11/25	03/12/25	CAP
Sodium	**150**		mg/L	0.50	0.35	1	365610	03/11/25	03/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	365632	03/12/25	03/12/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromomethane	ND		ug/L	5.0	0.8	1	365632	03/12/25	03/12/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Acetone	ND		ug/L	100	17	1	365632	03/12/25	03/12/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	365632	03/12/25	03/12/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Butanone	ND		ug/L	100	2.0	1	365632	03/12/25	03/12/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528429

528429-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	365632	03/12/25	03/12/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Toluene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	365632	03/12/25	03/12/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Styrene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365632	03/12/25	03/12/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Xylene (total)	ND		ug/L	5.0		1	365632	03/12/25	03/12/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane-d4	115%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Toluene-d8	101%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Bromofluorobenzene	101%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528429

528429-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365701	03/12/25	03/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	365701	03/12/25	03/14/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/12/25	03/12/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.94**	J	mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**150**		mg/L	10		5	366196	03/15/25	03/15/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	10		5	366196	03/15/25	03/15/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**450**		mg/L	20		2	365872	03/13/25	03/16/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528429

Sample ID: QCFB	Lab ID: 528429-005	Collected: 03/10/25 09:16
	Matrix: Water	

528429-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	365632	03/12/25	03/12/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromomethane	ND		ug/L	5.0	0.8	1	365632	03/12/25	03/12/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Acetone	ND		ug/L	100	17	1	365632	03/12/25	03/12/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	365632	03/12/25	03/12/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Butanone	ND		ug/L	100	2.0	1	365632	03/12/25	03/12/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chloroform	**0.6**	J	ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	365632	03/12/25	03/12/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Toluene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	365632	03/12/25	03/12/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Styrene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365632	03/12/25	03/12/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528429

528429-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365632	03/12/25	03/12/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365632	03/12/25	03/12/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	365632	03/12/25	03/12/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365632	03/12/25	03/12/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365632	03/12/25	03/12/25	EJB
Xylene (total)	ND		ug/L	5.0		1	365632	03/12/25	03/12/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
1,2-Dichloroethane-d4	115%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Toluene-d8	98%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	365632	03/12/25	03/12/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528429

Sample ID: QCTB	Lab ID: 528429-006	Collected: 03/10/25
	Matrix: Water	

528429-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366584	03/20/25	03/20/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366584	03/20/25	03/20/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366584	03/20/25	03/20/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366584	03/20/25	03/20/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Acetone	ND		ug/L	100	44	1	366584	03/20/25	03/20/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366584	03/20/25	03/20/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366584	03/20/25	03/20/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366584	03/20/25	03/20/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Chloroform	**0.6**	J	ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366584	03/20/25	03/20/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366584	03/20/25	03/20/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366584	03/20/25	03/20/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366584	03/20/25	03/20/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366584	03/20/25	03/20/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366584	03/20/25	03/20/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528429

528429-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366584	03/20/25	03/20/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366584	03/20/25	03/20/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366584	03/20/25	03/20/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366584	03/20/25	03/20/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366584	03/20/25	03/20/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366584	03/20/25	03/20/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366584	03/20/25	03/20/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366584	03/20/25	03/20/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366584	03/20/25	03/20/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366584	03/20/25	03/20/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366584	03/20/25	03/20/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366584	03/20/25	03/20/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366584	03/20/25	03/20/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366584	03/20/25	03/20/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	366584	03/20/25	03/20/25	ZST
1,2-Dichloroethane-d4	102%		%REC	70-130		1	366584	03/20/25	03/20/25	ZST
Toluene-d8	93%		%REC	70-130		1	366584	03/20/25	03/20/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	366584	03/20/25	03/20/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1237779**	**Batch:**	**365560**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1237779 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	03/11/25 14:45	03/11/25 14:56
Chloride	ND		mg/L	1.0	0.27	03/11/25 14:45	03/11/25 14:56
Bromide	ND		mg/L	0.30	0.060	03/11/25 14:45	03/11/25 14:56
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/11/25 14:45	03/11/25 14:56
Sulfate	ND		mg/L	1.0	0.18	03/11/25 14:45	03/11/25 14:56

Type:	**Lab Control Sample**	**Lab ID:**	**QC1237780**	**Batch:**	**365560**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1237780 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.221	10.00	mg/L	92%		90-110
Chloride	47.67	50.00	mg/L	95%		90-110
Bromide	15.02	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.532	4.518	mg/L	100%		90-110
Sulfate	25.00	25.00	mg/L	100%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1237781**	**Batch:**	**365560**
Matrix (Source ID):	**Water (527827-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1237781 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.27	0.07102	20.00	mg/L	96%		80-120	1
Chloride	232.4	144.8	100.0	mg/L	88%	E	80-120	1
Bromide	15.45	0.5475	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.068	ND	9.036	mg/L	100%		80-120	1
Sulfate	51.13	1.383	50.00	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1237782**	**Batch:**	**365560**
Matrix (Source ID):	**Water (527827-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1237782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.48	0.07102	20.00	mg/L	97%		80-120	1	20	1
Chloride	233.1	144.8	100.0	mg/L	88%	E	80-120		20	1
Bromide	15.51	0.5475	15.00	mg/L	100%		80-120	0	20	1
Nitrogen, Nitrate	9.131	ND	9.036	mg/L	101%		80-120	1	20	1
Sulfate	51.51	1.383	50.00	mg/L	100%		80-120	1	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1241448**	**Batch:**	**366666**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1241448 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.017	1.000	mg/L	102%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1241449	Batch: 366666
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1241449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/21/25	03/24/25

Type: Matrix Spike	Lab ID: QC1241720	Batch: 366666
Matrix (Source ID): Water (528749-001)	Method: EPA 350.1	Prep Method: METHOD

QC1241720 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.104	0.08310	1.000	mg/L	102%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1241721	Batch: 366666
Matrix (Source ID): Water (528749-001)	Method: EPA 350.1	Prep Method: METHOD

QC1241721 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.106	0.08310	1.000	mg/L	102%		90-110	0	20	1

Type: Matrix Spike	Lab ID: QC1241722	Batch: 366666
Matrix (Source ID): Water (528749-002)	Method: EPA 350.1	Prep Method: METHOD

QC1241722 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.101	0.1163	1.000	mg/L	98%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1241723	Batch: 366666
Matrix (Source ID): Water (528749-002)	Method: EPA 350.1	Prep Method: METHOD

QC1241723 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.179	0.1163	1.000	mg/L	106%		90-110	7	20	1

Type: Blank	Lab ID: QC1243503	Batch: 367291
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1243503 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	03/27/25	03/28/25

Type: Lab Control Sample	Lab ID: QC1243504	Batch: 367291
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1243504 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	103.0	100.0	mg/L	103%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1243505	Batch:	367291
Matrix (Source ID):	Water (528429-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1243505 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	96.00	ND	100.0	mg/L	96%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1243506	Batch:	367291
Matrix (Source ID):	Water (528429-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1243506 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	98.00	ND	100.0	mg/L	98%		75-125	2	20	2

Type:	Blank	Lab ID:	QC1237934	Batch:	365610
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1237934 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	03/11/25	03/12/25
Calcium	ND		mg/L	0.57	0.57	03/11/25	03/12/25
Iron	ND		mg/L	0.046	0.046	03/11/25	03/12/25
Magnesium	ND		mg/L	0.10	0.025	03/11/25	03/12/25
Manganese	ND		mg/L	0.010	0.0029	03/11/25	03/12/25
Potassium	ND		mg/L	0.50	0.40	03/11/25	03/12/25
Sodium	ND		mg/L	0.50	0.35	03/11/25	03/12/25

Type:	Lab Control Sample	Lab ID:	QC1237935	Batch:	365610
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1237935 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3480	0.4000	mg/L	87%		80-120
Calcium	18.85	20.40	mg/L	92%		80-120
Iron	0.3781	0.4000	mg/L	95%		80-120
Magnesium	18.96	20.40	mg/L	93%		80-120
Manganese	0.3643	0.4000	mg/L	91%		80-120
Potassium	20.92	24.00	mg/L	87%		80-120
Sodium	18.40	20.40	mg/L	90%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1237982	Batch:	365610
Matrix (Source ID):	Water (528429-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1237982 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.706	1.356	0.4000	mg/L	88%		75-125	1
Calcium	23.83	4.756	20.40	mg/L	94%		75-125	1
Iron	0.3774	ND	0.4000	mg/L	94%		75-125	1
Magnesium	20.03	0.8201	20.40	mg/L	94%		75-125	1
Manganese	0.3693	0.003685	0.4000	mg/L	91%		75-125	1
Potassium	22.96	0.8963	24.00	mg/L	92%		75-125	1
Sodium	363.5	349.0	20.40	mg/L	71%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1237983	Batch:	365610
Matrix (Source ID):	Water (528429-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1237983 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.700	1.356	0.4000	mg/L	86%		75-125	0	20	1
Calcium	23.47	4.756	20.40	mg/L	92%		75-125	2	20	1
Iron	0.3787	ND	0.4000	mg/L	95%		75-125	0	20	1
Magnesium	19.65	0.8201	20.40	mg/L	92%		75-125	2	20	1
Manganese	0.3618	0.003685	0.4000	mg/L	90%		75-125	2	20	1
Potassium	22.56	0.8963	24.00	mg/L	90%		75-125	2	20	1
Sodium	363.4	349.0	20.40	mg/L	71%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1238242	Batch:	365610
Matrix (Source ID):	Water (528429-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1238242 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	1.401	1.356	mg/L				5
Calcium	4.958	4.756	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	0.8510	0.8201	mg/L				5
Manganese	ND	0.003685	mg/L				5
Potassium	ND	0.8963	mg/L				5
Sodium	369.8	349.0	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1238027	Batch: 365632
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1238027 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	58.55	50.00	ug/L	117%		70-135
MTBE	46.72	50.00	ug/L	93%		70-130
Benzene	44.57	50.00	ug/L	89%		70-130
Trichloroethene	46.36	50.00	ug/L	93%		70-130
Toluene	45.99	50.00	ug/L	92%		70-130
Chlorobenzene	47.17	50.00	ug/L	94%		70-130
Surrogates						
Dibromofluoromethane	51.16	50.00	ug/L	102%		70-130
1,2-Dichloroethane-d4	58.16	50.00	ug/L	116%		70-130
Toluene-d8	49.00	50.00	ug/L	98%		70-130
Bromofluorobenzene	47.23	50.00	ug/L	94%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1238028	Batch: 365632
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1238028 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	61.95	50.00	ug/L	124%		70-135	6	30
MTBE	48.02	50.00	ug/L	96%		70-130	3	30
Benzene	47.83	50.00	ug/L	96%		70-130	7	30
Trichloroethene	48.32	50.00	ug/L	97%		70-130	4	30
Toluene	48.46	50.00	ug/L	97%		70-130	5	30
Chlorobenzene	49.62	50.00	ug/L	99%		70-130	5	30
Surrogates								
Dibromofluoromethane	51.30	50.00	ug/L	103%		70-130		
1,2-Dichloroethane-d4	58.15	50.00	ug/L	116%		70-130		
Toluene-d8	48.65	50.00	ug/L	97%		70-130		
Bromofluorobenzene	47.14	50.00	ug/L	94%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238030**	**Batch:**	**365632**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238030 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	03/12/25	03/12/25
Freon 12	ND		ug/L	5.0	0.3	03/12/25	03/12/25
Chloromethane	ND		ug/L	5.0	0.4	03/12/25	03/12/25
Vinyl Chloride	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromomethane	ND		ug/L	5.0	0.8	03/12/25	03/12/25
Chloroethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Acetone	ND		ug/L	100	17	03/12/25	03/12/25
Freon 113	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Methylene Chloride	ND		ug/L	5.0	3.5	03/12/25	03/12/25
MTBE	ND		ug/L	5.0	0.1	03/12/25	03/12/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
2-Butanone	ND		ug/L	100	2.0	03/12/25	03/12/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Chloroform	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Benzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Trichloroethene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Dibromomethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	03/12/25	03/12/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Toluene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Tetrachloroethene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
m,p-Xylenes	ND		ug/L	10	0.2	03/12/25	03/12/25
o-Xylene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Styrene	ND		ug/L	5.0	0.08	03/12/25	03/12/25
Bromoform	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/12/25	03/12/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/12/25	03/12/25

ENTHALPY ANALYTICAL

Batch QC

QC1238030 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	03/12/25	03/12/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	03/12/25	03/12/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Naphthalene	ND		ug/L	5.0	0.3	03/12/25	03/12/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Xylene (total)	ND		ug/L	5.0		03/12/25	03/12/25
Surrogates				**Limits**			
Dibromofluoromethane	107%		%REC	70-130		03/12/25	03/12/25
1,2-Dichloroethane-d4	118%		%REC	70-130		03/12/25	03/12/25
Toluene-d8	99%		%REC	70-130		03/12/25	03/12/25
Bromofluorobenzene	97%		%REC	70-130		03/12/25	03/12/25

Type: Matrix Spike **Lab ID:** QC1238154 **Batch:** 365632
Matrix (Source ID): Water (528048-002) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1238154 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	22.72	ND	20.00	ug/L	114%		70-130	1
MTBE	19.64	ND	20.00	ug/L	98%		75-130	1
Benzene	17.54	ND	20.00	ug/L	88%		70-130	1
Trichloroethene	19.03	ND	20.00	ug/L	95%		63-130	1
Toluene	18.65	ND	20.00	ug/L	93%		70-130	1
Chlorobenzene	18.85	ND	20.00	ug/L	94%		70-130	1
Surrogates								
Dibromofluoromethane	52.17		50.00	ug/L	104%		70-130	1
1,2-Dichloroethane-d4	56.11		50.00	ug/L	112%		70-130	1
Toluene-d8	48.59		50.00	ug/L	97%		70-130	1
Bromofluorobenzene	50.33		50.00	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1238155**	**Batch:**	**365632**
Matrix (Source ID):	**Water (528048-002)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238155 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	21.05	ND	20.00	ug/L	105%		70-130	8	30	1
MTBE	18.10	ND	20.00	ug/L	90%		75-130	8	30	1
Benzene	16.68	ND	20.00	ug/L	83%		70-130	5	30	1
Trichloroethene	18.13	ND	20.00	ug/L	91%		63-130	5	30	1
Toluene	16.99	ND	20.00	ug/L	85%		70-130	9	30	1
Chlorobenzene	17.37	ND	20.00	ug/L	87%		70-130	8	30	1
Surrogates										
Dibromofluoromethane	52.13		50.00	ug/L	104%		70-130			1
1,2-Dichloroethane-d4	56.61		50.00	ug/L	113%		70-130			1
Toluene-d8	48.75		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	47.65		50.00	ug/L	95%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1241152	**Batch:** 366584	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1241152 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	03/20/25	03/20/25
Freon 12	ND		ug/L	5.0	0.3	03/20/25	03/20/25
Chloromethane	ND		ug/L	5.0	0.4	03/20/25	03/20/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Bromomethane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Chloroethane	ND		ug/L	5.0	0.3	03/20/25	03/20/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Acetone	ND		ug/L	100	44	03/20/25	03/20/25
Freon 113	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Methylene Chloride	ND		ug/L	5.0	3.5	03/20/25	03/20/25
MTBE	ND		ug/L	5.0	0.1	03/20/25	03/20/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	03/20/25	03/20/25
2-Butanone	ND		ug/L	100	2.3	03/20/25	03/20/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Chloroform	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	03/20/25	03/20/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Benzene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Trichloroethene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Dibromomethane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	03/20/25	03/20/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Toluene	ND		ug/L	5.0	0.3	03/20/25	03/20/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Tetrachloroethene	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	03/20/25	03/20/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Ethylbenzene	ND		ug/L	5.0	0.07	03/20/25	03/20/25
m,p-Xylenes	ND		ug/L	10	0.1	03/20/25	03/20/25
o-Xylene	ND		ug/L	5.0	0.09	03/20/25	03/20/25
Styrene	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Bromoform	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/20/25	03/20/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/20/25	03/20/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/20/25	03/20/25

ENTHALPY ANALYTICAL

Batch QC

QC1241152 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	03/20/25	03/20/25
Bromobenzene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	03/20/25	03/20/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	03/20/25	03/20/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	03/20/25	03/20/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	03/20/25	03/20/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/20/25	03/20/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/20/25	03/20/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	03/20/25	03/20/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/20/25	03/20/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	03/20/25	03/20/25
Naphthalene	ND		ug/L	5.0	0.5	03/20/25	03/20/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/20/25	03/20/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	03/20/25	03/20/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/20/25	03/20/25
Xylene (total)	ND		ug/L	5.0		03/20/25	03/20/25
Surrogates				**Limits**			
Dibromofluoromethane	106%		%REC	70-130		03/20/25	03/20/25
1,2-Dichloroethane-d4	101%		%REC	70-130		03/20/25	03/20/25
Toluene-d8	98%		%REC	70-130		03/20/25	03/20/25
Bromofluorobenzene	102%		%REC	70-130		03/20/25	03/20/25

Type: Lab Control Sample **Lab ID:** QC1241153 **Batch:** 366584
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1241153 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.11	50.00	ug/L	104%		70-135
MTBE	43.66	50.00	ug/L	87%		70-130
Benzene	45.12	50.00	ug/L	90%		70-130
Trichloroethene	46.95	50.00	ug/L	94%		70-130
Toluene	46.25	50.00	ug/L	93%		70-130
Chlorobenzene	47.56	50.00	ug/L	95%		70-130
Surrogates						
Dibromofluoromethane	51.88	50.00	ug/L	104%		70-130
1,2-Dichloroethane-d4	47.64	50.00	ug/L	95%		70-130
Toluene-d8	48.77	50.00	ug/L	98%		70-130
Bromofluorobenzene	47.23	50.00	ug/L	94%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1241154**	**Batch:**	**366584**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1241154 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.52	50.00	ug/L	97%		70-135	7	30
MTBE	42.90	50.00	ug/L	86%		70-130	2	30
Benzene	43.06	50.00	ug/L	86%		70-130	5	30
Trichloroethene	43.85	50.00	ug/L	88%		70-130	7	30
Toluene	42.90	50.00	ug/L	86%		70-130	8	30
Chlorobenzene	44.26	50.00	ug/L	89%		70-130	7	30
Surrogates								
Dibromofluoromethane	52.19	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	49.18	50.00	ug/L	98%		70-130		
Toluene-d8	48.05	50.00	ug/L	96%		70-130		
Bromofluorobenzene	45.98	50.00	ug/L	92%		70-130		

Type:	**Matrix Spike**	**Lab ID:**	**QC1241193**	**Batch:**	**366584**
Matrix (Source ID):	**Water (528814-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1241193 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.65	ND	20.00	ug/L	103%		70-130	1
MTBE	17.66	ND	20.00	ug/L	88%		75-130	1
Benzene	18.65	ND	20.00	ug/L	93%		70-130	1
Trichloroethene	19.43	ND	20.00	ug/L	97%		63-130	1
Toluene	18.49	ND	20.00	ug/L	92%		70-130	1
Chlorobenzene	19.92	0.4486	20.00	ug/L	97%		70-130	1
Surrogates								
Dibromofluoromethane	53.66		50.00	ug/L	107%		70-130	1
1,2-Dichloroethane-d4	51.58		50.00	ug/L	103%		70-130	1
Toluene-d8	47.77		50.00	ug/L	96%		70-130	1
Bromofluorobenzene	48.12		50.00	ug/L	96%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1241194	Batch:	366584
Matrix (Source ID):	Water (528814-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1241194 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	18.66	ND	20.00	ug/L	93%		70-130	10	30	1
MTBE	16.23	ND	20.00	ug/L	81%		75-130	8	30	1
Benzene	16.90	ND	20.00	ug/L	85%		70-130	10	30	1
Trichloroethene	18.18	ND	20.00	ug/L	91%		63-130	7	30	1
Toluene	17.45	ND	20.00	ug/L	87%		70-130	6	30	1
Chlorobenzene	18.55	0.4486	20.00	ug/L	90%		70-130	7	30	1
Surrogates										
Dibromofluoromethane	53.11		50.00	ug/L	106%		70-130			1
1,2-Dichloroethane-d4	50.15		50.00	ug/L	100%		70-130			1
Toluene-d8	49.31		50.00	ug/L	99%		70-130			1
Bromofluorobenzene	48.34		50.00	ug/L	97%		70-130			1

Type:	Blank	Lab ID:	QC1238224	Batch:	365701
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238224 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/12/25	03/13/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		03/12/25	03/13/25

Type:	Lab Control Sample	Lab ID:	QC1238225	Batch:	365701
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.502	10.00	ug/L	85%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.996	10.00	ug/L	100%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1238226	Batch:	365701
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238226 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.346	10.00	ug/L	93%		80-120	9	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.09	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1238180	Batch:	365688
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238180 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/12/25	03/12/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1238183 **Batch:** 365688
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1238183 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1238184 **Batch:** 365688
Matrix (Source ID): Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1238184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1238185 **Batch:** 365688
Matrix (Source ID): Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1238185 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1239206 **Batch:** 366009
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239206 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/14/25	03/15/25

Type: Lab Control Sample **Lab ID:** QC1239207 **Batch:** 366009
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239207 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.16	25.00	mg/L	93%		85-115

Type: Matrix Spike **Lab ID:** QC1239208 **Batch:** 366009
Matrix (Source ID): Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239208 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	4,069	4283	25.00	mg/L	-856%	NM	75-125	27

Type: Matrix Spike Duplicate **Lab ID:** QC1239209 **Batch:** 366009
Matrix (Source ID): Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239209 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	4,016	4283	25.00	mg/L	-1068%	NM	75-125	1	25	27

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1239890	Batch: 366196
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1239890 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		03/15/25	03/15/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/15/25	03/15/25

Type: Lab Control Sample	Lab ID: QC1239891	Batch: 366196
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1239891 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	973.7	1000	mg/L	97%		90-110

Type: Sample Duplicate	Lab ID: QC1240591	Batch: 366196
Matrix (Source ID): Water (528415-009)	Method: SM2320B	Prep Method: METHOD

QC1240591 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	564.5	556.9	mg/L		1	20	10
Alkalinity, Total as CaCO3	564.5	556.9	mg/L		1	20	10

Type: Blank	Lab ID: QC1238828	Batch: 365872
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1238828 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		03/13/25	03/16/25

Type: Lab Control Sample	Lab ID: QC1238829	Batch: 365872
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1238829 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	652.0	600.0	mg/L	109%		90-110

Type: Sample Duplicate	Lab ID: QC1239585	Batch: 365872
Matrix (Source ID): Water (528438-007)	Method: SM2540C	Prep Method: METHOD

QC1239585 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,532	2422	mg/L		4	5	2

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

Laboratory Job Number 528429

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2503B22

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-528429

Project Location:
Project Received: 03/17/2025

Analytical Report reviewed & approved for release on 03/18/2025 by:

Jena Alfaro
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B22
Project: EO-528429

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B22

Project: EO-528429

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	Sample was analyzed out of hold time

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B22
Date Received:	03/17/2025 11:38	**Extraction Method:**	RSK175
Date Prepared:	03/18/2025	**Analytical Method:**	RSK175
Project:	EO-528429	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-28	2503B22-001A	Water	03/10/2025 09:13	GC26 0318250910.D	313540

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**970**	H	50	50	1	03/18/2025 11:44

Analyst(s): CLO Analytical Comments: H

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-9	2503B22-002A	Water	03/10/2025 10:37	GC26 0318250912.D	313540

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**900**	H	50	50	1	03/18/2025 12:08

Analyst(s): CLO Analytical Comments: H

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2503B22-003A	Water	03/10/2025 11:49	GC26 0318250915.D	313540

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**12,000**	H	500	500	10	03/18/2025 12:43

Analyst(s): CLO Analytical Comments: H

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B22
Date Received:	03/17/2025 11:38	**Extraction Method:**	RSK175
Date Prepared:	03/18/2025	**Analytical Method:**	RSK175
Project:	EO-528429	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-14	2503B22-004A	Water	03/10/2025 13:03	GC26 0318250917.D	313540

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**440**	H	50	50	1	03/18/2025 13:06

Analyst(s): CLO

Analytical Comments: H

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B22
Date Prepared:	03/18/2025	**BatchID:**	313540
Date Analyzed:	03/18/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528429	**Sample ID:**	MB/LCS/LCSD-313540

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	160	187.2	76	83	70-130	9.12	30

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503B22 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-528429

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 1 day;

Date Received: **03/17/2025**
Date Logged: **03/17/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503B22-001	DW-28	Water	3/10/2025 09:13	☐	A	A										
2503B22-002	DW-9	Water	3/10/2025 10:37	☐	A	A										
2503B22-003	PZ-4	Water	3/10/2025 11:49	☐	A	A										
2503B22-004	DW-14	Water	3/10/2025 13:03	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-528429 **Work Order:** 2503B22
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-28	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	3/10/2025 9:13	1 day	3/18/2025	None	☐	☐
002A	DW-9	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	3/10/2025 10:37	1 day	3/18/2025	None	☐	☐
003A	PZ-4	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	3/10/2025 11:49	1 day	3/18/2025	None	☐	☐
004A	DW-14	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	3/10/2025 13:03	1 day	3/18/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503B22

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528429
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

HOLD TIME RUSH

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-28	10-MAR-2025 09:13	528429-001	3 2	Water	RSK-175 CO2	
DW-9	10-MAR-2025 10:37	528429-002	3 2	Water	RSK-175 CO2	
PZ-4	10-MAR-2025 11:49	528429-003	3 2	Water	RSK-175 CO2	
DW-14	10-MAR-2025 13:03	528429-004	3 2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Ventura EA-ORA	
	Date: 3/12/25 1645	Date:
		Emily Pe
	Date:	Date: 3/17/25 1138
	Date:	Date:

GIS: 5627512897

2.2 set #30

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/17/2025 11:38
Project:	EO-528429	Date Logged:	3/17/2025
		Received by:	Emily Perez
WorkOrder №:	2503B22 Matrix: Water	Logged by:	Emily Perez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.2°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528520
Report Level : II
Report Date : 03/28/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	528520 GW MONITORING Chiquita Canyon Landfill - Quarterly MPars 03/11/25

Sample ID	Lab ID	Collected	Matrix
DW-12	528520-001	03/11/25 08:19	Water
DW-7	528520-002	03/11/25 09:09	Water
DW-18	528520-003	03/11/25 10:18	Water
DW-21	528520-004	03/11/25 11:07	Water
QCFB	528520-005	03/11/25 08:21	Water
QCTB	528520-006	03/11/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 528520 Project No: GW MONITORING Location: Chiquita Canyon Landfill - Quarterly MPars Date Received: 03/11/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/12/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Naphthalene was detected between the MDL and the RL in the method blank for batch 365765; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):

- High response was observed for manganese in the CCV analyzed 03/13/25 15:37; affected data was qualified with "b".
- High response was observed for manganese in the CCV analyzed 03/13/25 16:21; affected data was qualified with "b".
- High response was observed for manganese in the CCV analyzed 03/13/25 14:54; affected data was qualified with "b".
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD of DW-12 (lab # 528520-001); affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):

- High recovery was observed for chemical oxygen demand in the MS of DW-28 (lab # 528429-001); the LCS was within limits, the associated RPD was within limits, and the high recovery was not associated with any reported results.
- No other analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528520

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-12	3/11/25	819	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-7	↓	909	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-18	↓	1018	↓	↓	↓	X	X	X	X	X	X	X	X	X
4	DW-21	↓	1107	↓	↓	↓	X	X	X	X	X	X	X	X	X
5	QCFB	↓	821	↓	3	↓	X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

Analysis Request

ER ID 5.0, 5.0

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Login 528520

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	3·11·25 1240
[1] Received By:		Jim Lin	EA·NH	3·11·25 1240
[2] Relinquished By:		Jim Lin	EA·NH	3·12·25 0830
[2] Received By:		Hrag B.	EA·NH	3/12/25 0830
[3] Relinquished By:		Hrag B.	EA·NH	3/12/25 1307
[3] Received By:				

Nicole Rec 3-12-25 1400 Rec: Adam Dinkmeyer EA 3/12/25 1400

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 3/12/25 WO# 528520 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 3/12/25 By (initials) NIG Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0
Cooler Temp (°C) #1: 5.0 / 5.0 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining? ABD 3/12/25	✓	✓	
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 3/11/25 **By (print)** ABD **(sign)** ABD
Date Labeled 3/12/25 **By (print)** EA-OR **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528520

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528520
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 03/11/25

Sample ID: DW-12 **Lab ID: 528520-001** **Collected: 03/11/25 08:19**
Matrix: Water

528520-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.53**		mg/L	0.20	0.073	1	365780	03/13/25 10:00	03/13/25 13:44	AJL
Chloride	**190**		mg/L	1.0	0.27	1	365716	03/12/25 17:11	03/12/25 21:49	AJL
Bromide	**0.75**		mg/L	0.30	0.060	1	365716	03/12/25 17:11	03/12/25 21:49	AJL
Nitrogen, Nitrate	**3.6**		mg/L	0.10	0.05	1	365716	03/12/25 17:11	03/12/25 21:49	AJL
Sulfate	**300**		mg/L	10	1.8	10	365716	03/12/25 17:11	03/12/25 23:42	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	366915	03/25/25	03/26/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**5.0**		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.20**		mg/L	0.050	0.0062	1	365766	03/13/25	03/13/25	DXC
Calcium	**24**		mg/L	0.57	0.57	1	365766	03/13/25	03/13/25	DXC
Iron	ND		mg/L	0.041	0.041	1	365766	03/13/25	03/13/25	DXC
Magnesium	**2.9**		mg/L	0.10	0.025	1	365766	03/13/25	03/13/25	DXC
Manganese	ND		mg/L	0.010	0.0029	1	365766	03/13/25	03/13/25	DXC
Potassium	**1.7**		mg/L	0.50	0.42	1	365766	03/13/25	03/13/25	DXC
Sodium	**270**		mg/L	0.50	0.34	1	365766	03/13/25	03/13/25	DXC
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	ND		ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	ND		ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

528520-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

528520-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.69**	J	mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**190**		mg/L	10		5	366651	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	10		5	366651	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	366108	03/16/25	03/17/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

Sample ID: DW-7	Lab ID: 528520-002	Collected: 03/11/25 09:09
	Matrix: Water	

528520-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.14**	J	mg/L	0.20	0.073	1	365780	03/13/25 10:00	03/13/25 14:01	AJL
Chloride	**83**		mg/L	1.0	0.27	1	365716	03/12/25 17:11	03/13/25 00:04	AJL
Bromide	**0.16**	J	mg/L	0.30	0.060	1	365716	03/12/25 17:11	03/13/25 00:04	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	365716	03/12/25 17:11	03/13/25 00:04	AJL
Sulfate	**650**		mg/L	10	1.8	10	365716	03/12/25 17:11	03/13/25 00:27	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	366915	03/25/25	03/26/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.17**		mg/L	0.050	0.0062	1	365766	03/13/25	03/13/25	DXC
Calcium	**33**		mg/L	0.57	0.57	1	365766	03/13/25	03/13/25	DXC
Iron	ND		mg/L	0.041	0.041	1	365766	03/13/25	03/13/25	DXC
Magnesium	**1.6**		mg/L	0.10	0.025	1	365766	03/13/25	03/13/25	DXC
Manganese	ND		mg/L	0.010	0.0029	1	365766	03/13/25	03/13/25	DXC
Potassium	**1.1**		mg/L	0.50	0.42	1	365766	03/13/25	03/13/25	DXC
Sodium	**320**		mg/L	0.50	0.34	1	365766	03/13/25	03/13/25	DXC
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	ND		ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	ND		ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

528520-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane-d4	97%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	98%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528520

528520-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**120**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**120**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	366108	03/16/25	03/17/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

Sample ID: DW-18	Lab ID: 528520-003	Collected: 03/11/25 10:18
	Matrix: Water	

528520-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.22**		mg/L	0.20	0.073	1	365780	03/13/25 10:00	03/13/25 14:18	AJL
Chloride	**110**		mg/L	1.0	0.27	1	365716	03/12/25 17:11	03/13/25 00:49	AJL
Bromide	**0.32**		mg/L	0.30	0.060	1	365716	03/12/25 17:11	03/13/25 00:49	AJL
Nitrogen, Nitrate	**3.0**		mg/L	0.10	0.05	1	365716	03/12/25 17:11	03/13/25 00:49	AJL
Sulfate	**350**		mg/L	10	1.8	10	365716	03/12/25 17:11	03/13/25 01:12	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	366915	03/25/25	03/26/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**14**		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.35**		mg/L	0.050	0.0062	1	365766	03/13/25	03/13/25	DXC
Calcium	**26**		mg/L	0.57	0.57	1	365766	03/13/25	03/13/25	DXC
Iron	ND		mg/L	0.041	0.041	1	365766	03/13/25	03/13/25	DXC
Magnesium	**2.1**		mg/L	0.10	0.025	1	365766	03/13/25	03/13/25	DXC
Manganese	ND		mg/L	0.010	0.0029	1	365766	03/13/25	03/13/25	DXC
Potassium	**1.4**		mg/L	0.50	0.42	1	365766	03/13/25	03/13/25	DXC
Sodium	**280**		mg/L	0.50	0.34	1	365766	03/13/25	03/13/25	DXC
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	ND		ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	ND		ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

528520-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528520

528520-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.2**		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**150**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**150**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,000**		mg/L	20		2	366108	03/16/25	03/17/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

Sample ID: DW-21	Lab ID: 528520-004	Collected: 03/11/25 11:07
	Matrix: Water	

528520-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.75**		mg/L	0.20	0.073	1	365780	03/13/25 10:00	03/13/25 14:35	AJL
Chloride	**55**		mg/L	1.0	0.27	1	365716	03/12/25 17:11	03/13/25 01:34	AJL
Bromide	**0.18**	J	mg/L	0.30	0.060	1	365716	03/12/25 17:11	03/13/25 01:34	AJL
Nitrogen, Nitrate	**0.11**		mg/L	0.10	0.05	1	365716	03/12/25 17:11	03/13/25 01:34	AJL
Sulfate	**120**		mg/L	10	1.8	10	365716	03/12/25 17:11	03/13/25 01:57	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	366915	03/25/25	03/26/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	367291	03/27/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.26**		mg/L	0.050	0.0062	1	365766	03/13/25	03/13/25	DXC
Calcium	**3.8**		mg/L	0.57	0.57	1	365766	03/13/25	03/13/25	DXC
Iron	**0.059**		mg/L	0.041	0.041	1	365766	03/13/25	03/13/25	DXC
Magnesium	**0.16**		mg/L	0.10	0.025	1	365766	03/13/25	03/13/25	DXC
Manganese	ND		mg/L	0.010	0.0029	1	365766	03/13/25	03/13/25	DXC
Potassium	ND		mg/L	0.50	0.42	1	365766	03/13/25	03/13/25	DXC
Sodium	**140**		mg/L	0.50	0.34	1	365766	03/13/25	03/13/25	DXC
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	ND		ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	ND		ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

528520-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	100%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528520

528520-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**130**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**160**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**450**		mg/L	20		2	366108	03/16/25	03/17/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

Sample ID: QCFB	Lab ID: 528520-005	Collected: 03/11/25 08:21
	Matrix: Water	

528520-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	ND		ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	ND		ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	**0.6**	J	ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528520

528520-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane-d4	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	98%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

Sample ID: QCTB	Lab ID: 528520-006	Collected: 03/11/25
	Matrix: Water	

528520-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	ND		ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	ND		ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	**0.6**	J	ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528520

528520-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane-d4	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	101%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	98%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238269**	**Batch:**	**365716**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238269 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	03/12/25 17:11	03/12/25 18:26
Bromide	ND		mg/L	0.30	0.060	03/12/25 17:11	03/12/25 18:26
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/12/25 17:11	03/12/25 18:26
Sulfate	ND		mg/L	1.0	0.18	03/12/25 17:11	03/12/25 18:26

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238270**	**Batch:**	**365716**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238270 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	48.08	50.00	mg/L	96%		90-110
Bromide	15.03	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.518	4.518	mg/L	100%		90-110
Sulfate	24.94	25.00	mg/L	100%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1238271**	**Batch:**	**365716**
Matrix (Source ID):	**Water (528513-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238271 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	324.7	250.0	100.0	mg/L	75%	E,NM	80-120	1
Bromide	15.65	0.5844	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	10.66	1.492	9.036	mg/L	101%		80-120	1
Sulfate	92.75	43.63	50.00	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1238272**	**Batch:**	**365716**
Matrix (Source ID):	**Water (528513-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	324.6	250.0	100.0	mg/L	75%	E,NM	80-120		20	1
Bromide	15.67	0.5844	15.00	mg/L	101%		80-120	0	20	1
Nitrogen, Nitrate	10.66	1.492	9.036	mg/L	101%		80-120	0	20	1
Sulfate	92.85	43.63	50.00	mg/L	98%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1238274**	**Batch:**	**365716**
Matrix (Source ID):	**Water (528520-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238274 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	273.5	191.4	100.0	mg/L	82%	E	80-120	1
Bromide	15.76	0.7548	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	12.66	3.554	9.036	mg/L	101%		80-120	1
Sulfate	320.5	303.9	50.00	mg/L	33%	E,NM	80-120	1

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Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1238275	**Batch:**	365716
Matrix (Source ID):	Water (528520-001)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1238275 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	272.2	191.4	100.0	mg/L	81%	E	80-120		20	1
Bromide	15.58	0.7548	15.00	mg/L	99%		80-120	1	20	1
Nitrogen, Nitrate	12.53	3.554	9.036	mg/L	99%		80-120	1	20	1
Sulfate	320.0	303.9	50.00	mg/L	32%	E,NM	80-120		20	1

Type:	Blank	**Lab ID:**	QC1238546	**Batch:**	365780
Matrix:	Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1238546 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	03/13/25 10:00	03/13/25 10:05

Type:	Lab Control Sample	**Lab ID:**	QC1238547	**Batch:**	365780
Matrix:	Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1238547 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.145	10.00	mg/L	91%		90-110

Type:	Matrix Spike	**Lab ID:**	QC1238548	**Batch:**	365780
Matrix (Source ID):	Water (528513-002)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1238548 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.60	0.2709	20.00	mg/L	97%		80-120	1

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1238549	**Batch:**	365780
Matrix (Source ID):	Water (528513-002)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1238549 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.55	0.2709	20.00	mg/L	96%		80-120	0	20	1

Type:	Lab Control Sample	**Lab ID:**	QC1242301	**Batch:**	366915
Matrix:	Water	**Method:**	EPA 350.1	**Prep Method:**	METHOD

QC1242301 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9366	1.000	mg/L	94%		90-110

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Batch QC

Type: Blank	Lab ID: QC1242302	Batch: 366915
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1242302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/25/25	03/26/25

Type: Matrix Spike	Lab ID: QC1242462	Batch: 366915
Matrix (Source ID): Water (528871-001)	Method: EPA 350.1	Prep Method: METHOD

QC1242462 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.021	ND	1.000	mg/L	102%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1242463	Batch: 366915
Matrix (Source ID): Water (528871-001)	Method: EPA 350.1	Prep Method: METHOD

QC1242463 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9894	ND	1.000	mg/L	99%		90-110	3	20	1

Type: Matrix Spike	Lab ID: QC1242464	Batch: 366915
Matrix (Source ID): Water (528871-002)	Method: EPA 350.1	Prep Method: METHOD

QC1242464 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.014	0.05442	1.000	mg/L	96%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1242465	Batch: 366915
Matrix (Source ID): Water (528871-002)	Method: EPA 350.1	Prep Method: METHOD

QC1242465 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.067	0.05442	1.000	mg/L	101%		90-110	5	20	1

Type: Blank	Lab ID: QC1243503	Batch: 367291
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1243503 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	03/27/25	03/28/25

Type: Lab Control Sample	Lab ID: QC1243504	Batch: 367291
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1243504 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	103.0	100.0	mg/L	103%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1243505	Batch:	367291
Matrix (Source ID):	Water (528429-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1243505 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	96.00	ND	100.0	mg/L	96%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1243506	Batch:	367291
Matrix (Source ID):	Water (528429-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1243506 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	98.00	ND	100.0	mg/L	98%		75-125	2	20	2

Type:	Blank	Lab ID:	QC1238477	Batch:	365766
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1238477 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	03/13/25	03/13/25
Calcium	ND		mg/L	0.57	0.57	03/13/25	03/13/25
Iron	ND		mg/L	0.041	0.041	03/13/25	03/13/25
Magnesium	ND		mg/L	0.10	0.025	03/13/25	03/13/25
Manganese	ND		mg/L	0.010	0.0029	03/13/25	03/13/25
Potassium	ND		mg/L	0.50	0.42	03/13/25	03/13/25
Sodium	ND		mg/L	0.50	0.34	03/13/25	03/13/25

Type:	Lab Control Sample	Lab ID:	QC1238478	Batch:	365766
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1238478 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3418	0.4000	mg/L	85%		80-120
Calcium	18.83	20.40	mg/L	92%		80-120
Iron	0.3578	0.4000	mg/L	89%		80-120
Magnesium	18.75	20.40	mg/L	92%		80-120
Manganese	0.3750	0.4000	mg/L	94%	b	80-120
Potassium	21.07	24.00	mg/L	88%		80-120
Sodium	18.16	20.40	mg/L	89%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1238479	Batch:	365766
Matrix (Source ID):	Water (528520-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1238479 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.5625	0.2039	0.4000	mg/L	90%		75-125	1
Calcium	42.24	23.79	20.40	mg/L	90%		75-125	1
Iron	0.3802	ND	0.4000	mg/L	95%		75-125	1
Magnesium	21.57	2.879	20.40	mg/L	92%		75-125	1
Manganese	0.3818	ND	0.4000	mg/L	95%	b	75-125	1
Potassium	23.57	1.701	24.00	mg/L	91%		75-125	1
Sodium	288.9	272.6	20.40	mg/L	80%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238480	Batch:	365766
Matrix (Source ID):	Water (528520-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1238480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.5673	0.2039	0.4000	mg/L	91%		75-125	1	20	1
Calcium	42.43	23.79	20.40	mg/L	91%		75-125	0	20	1
Iron	0.3697	ND	0.4000	mg/L	92%		75-125	3	20	1
Magnesium	21.64	2.879	20.40	mg/L	92%		75-125	0	20	1
Manganese	0.3828	ND	0.4000	mg/L	96%	b	75-125	0	20	1
Potassium	23.61	1.701	24.00	mg/L	91%		75-125	0	20	1
Sodium	290.0	272.6	20.40	mg/L	86%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1238611	Batch:	365766
Matrix (Source ID):	Water (528520-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1238611 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.2237	0.2039	mg/L	J			5
Calcium	26.02	23.79	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	3.141	2.879	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	ND	1.701	mg/L				5
Sodium	296.2	272.6	mg/L				5

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238470**	**Batch:**	**365765**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238470 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.45	50.00	ug/L	101%		70-135
MTBE	49.95	50.00	ug/L	100%		70-130
Benzene	49.45	50.00	ug/L	99%		70-130
Trichloroethene	49.54	50.00	ug/L	99%		70-130
Toluene	50.01	50.00	ug/L	100%		70-130
Chlorobenzene	51.67	50.00	ug/L	103%		70-130
Surrogates						
Dibromofluoromethane	53.83	50.00	ug/L	108%		70-130
1,2-Dichloroethane-d4	48.99	50.00	ug/L	98%		70-130
Toluene-d8	50.61	50.00	ug/L	101%		70-130
Bromofluorobenzene	52.07	50.00	ug/L	104%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238471**	**Batch:**	**365765**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238471 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.71	50.00	ug/L	99%		70-135	1	30
MTBE	50.14	50.00	ug/L	100%		70-130	0	30
Benzene	49.00	50.00	ug/L	98%		70-130	1	30
Trichloroethene	49.70	50.00	ug/L	99%		70-130	0	30
Toluene	50.07	50.00	ug/L	100%		70-130	0	30
Chlorobenzene	51.91	50.00	ug/L	104%		70-130	0	30
Surrogates								
Dibromofluoromethane	53.70	50.00	ug/L	107%		70-130		
1,2-Dichloroethane-d4	48.79	50.00	ug/L	98%		70-130		
Toluene-d8	50.94	50.00	ug/L	102%		70-130		
Bromofluorobenzene	51.88	50.00	ug/L	104%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238472**	**Batch:**	**365765**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238472 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	03/13/25	03/13/25
Freon 12	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Chloromethane	ND		ug/L	5.0	0.4	03/13/25	03/13/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Bromomethane	ND		ug/L	5.0	0.3	03/13/25	03/13/25
Chloroethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Acetone	ND		ug/L	100	16	03/13/25	03/13/25
Freon 113	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Methylene Chloride	ND		ug/L	5.0	1.4	03/13/25	03/13/25
MTBE	ND		ug/L	5.0	0.2	03/13/25	03/13/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
2-Butanone	ND		ug/L	100	3.1	03/13/25	03/13/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	03/13/25	03/13/25
Chloroform	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Bromochloromethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	03/13/25	03/13/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	03/13/25	03/13/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Benzene	ND		ug/L	5.0	0.09	03/13/25	03/13/25
Trichloroethene	ND		ug/L	5.0	0.2	03/13/25	03/13/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Dibromomethane	ND		ug/L	5.0	0.09	03/13/25	03/13/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	03/13/25	03/13/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Toluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Tetrachloroethene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Chlorobenzene	ND		ug/L	5.0	0.09	03/13/25	03/13/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
m,p-Xylenes	ND		ug/L	10	0.2	03/13/25	03/13/25
o-Xylene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Styrene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Bromoform	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Isopropylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/13/25	03/13/25

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Batch QC

QC1238472 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Bromobenzene	ND		ug/L	5.0	0.07	03/13/25	03/13/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	03/13/25	03/13/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	03/13/25	03/13/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Naphthalene	0.3	J	ug/L	5.0	0.1	03/13/25	03/13/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	03/13/25	03/13/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	03/13/25	03/13/25
Xylene (total)	ND		ug/L	5.0		03/13/25	03/13/25
Surrogates				**Limits**			
Dibromofluoromethane	102%		%REC	70-130		03/13/25	03/13/25
1,2-Dichloroethane-d4	98%		%REC	70-130		03/13/25	03/13/25
Toluene-d8	100%		%REC	70-130		03/13/25	03/13/25
Bromofluorobenzene	99%		%REC	70-130		03/13/25	03/13/25

Type: Matrix Spike **Lab ID:** QC1238696 **Batch:** 365765
Matrix (Source ID): Water (528176-003) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1238696 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	233.3	ND	200.0	ug/L	117%		70-130	10
MTBE	219.1	ND	200.0	ug/L	110%		75-130	10
Benzene	233.9	ND	200.0	ug/L	117%		70-130	10
Trichloroethene	249.2	ND	200.0	ug/L	125%		63-130	10
Toluene	237.1	ND	200.0	ug/L	119%		70-130	10
Chlorobenzene	242.0	ND	200.0	ug/L	121%		70-130	10
Surrogates								
Dibromofluoromethane	526.1		500.0	ug/L	105%		70-130	10
1,2-Dichloroethane-d4	482.9		500.0	ug/L	97%		70-130	10
Toluene-d8	500.4		500.0	ug/L	100%		70-130	10
Bromofluorobenzene	512.3		500.0	ug/L	102%		70-130	10

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1238697	Batch:	365765
Matrix (Source ID):	Water (528176-003)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1238697 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	206.0	ND	200.0	ug/L	103%		70-130	12	30	10
MTBE	190.6	ND	200.0	ug/L	95%		75-130	14	30	10
Benzene	204.2	ND	200.0	ug/L	102%		70-130	14	30	10
Trichloroethene	220.7	ND	200.0	ug/L	110%		63-130	12	30	10
Toluene	209.6	ND	200.0	ug/L	105%		70-130	12	30	10
Chlorobenzene	212.4	ND	200.0	ug/L	106%		70-130	13	30	10
Surrogates										
Dibromofluoromethane	519.1		500.0	ug/L	104%		70-130			10
1,2-Dichloroethane-d4	479.9		500.0	ug/L	96%		70-130			10
Toluene-d8	504.9		500.0	ug/L	101%		70-130			10
Bromofluorobenzene	508.7		500.0	ug/L	102%		70-130			10

Type:	Blank	Lab ID:	QC1238839	Batch:	365879
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238839 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/13/25	03/15/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		03/13/25	03/15/25

Type:	Lab Control Sample	Lab ID:	QC1238840	Batch:	365879
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238840 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.392	10.00	ug/L	84%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.07	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1238841	Batch:	365879
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238841 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.665	10.00	ug/L	87%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.06	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1239387	Batch:	366053
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1239387 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/15/25	03/15/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1239388 **Batch:** 366053
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239388 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1239389 **Batch:** 366053
Matrix (Source ID): Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1239390 **Batch:** 366053
Matrix (Source ID): Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1239206 **Batch:** 366009
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239206 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/14/25	03/15/25

Type: Lab Control Sample **Lab ID:** QC1239207 **Batch:** 366009
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239207 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.16	25.00	mg/L	93%		85-115

Type: Matrix Spike **Lab ID:** QC1239208 **Batch:** 366009
Matrix (Source ID): Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239208 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	4,069	4283	25.00	mg/L	-856%	NM	75-125	27

Type: Matrix Spike Duplicate **Lab ID:** QC1239209 **Batch:** 366009
Matrix (Source ID): Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239209 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	4,016	4283	25.00	mg/L	-1068%	NM	75-125	1	25	27

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1241422	Batch: 366651
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1241422 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		03/21/25	03/21/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/21/25	03/21/25

Type: Lab Control Sample	Lab ID: QC1241423	Batch: 366651
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1241423 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,031	1000	mg/L	103%		90-110

Type: Sample Duplicate	Lab ID: QC1241424	Batch: 366651
Matrix (Source ID): Water (528898-001)	Method: SM2320B	Prep Method: METHOD

QC1241424 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	130.1	128.0	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	130.1	128.0	mg/L		2	20	2.5

Type: Blank	Lab ID: QC1239591	Batch: 366108
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1239591 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		03/16/25	03/17/25

Type: Lab Control Sample	Lab ID: QC1239592	Batch: 366108
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1239592 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	900.0	1000	mg/L	90%		90-110

Type: Sample Duplicate	Lab ID: QC1239593	Batch: 366108
Matrix (Source ID): Water (528864-001)	Method: SM2540C	Prep Method: METHOD

QC1239593 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,236	1256	mg/L		2	5	2

E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 528520

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2503B23

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-528520

Project Location:
Project Received: 03/17/2025

Analytical Report reviewed & approved for release on 03/19/2025 by:

Ana Venegas
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B23

Project: EO-528520

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B23

Project: EO-528520

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B23
Date Received:	03/17/2025 11:38	**Extraction Method:**	RSK175
Date Prepared:	03/18/2025	**Analytical Method:**	RSK175
Project:	EO-528520	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-12	2503B23-001A	Water	03/11/2025 08:19	GC26 0318250919.D	313540

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1500**	50	50	1	03/18/2025 14:04

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-7	2503B23-002A	Water	03/11/2025 09:09	GC26 0318250922.D	313540

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**960**	50	50	1	03/18/2025 14:41

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-18	2503B23-003A	Water	03/11/2025 10:18	GC26 0318250926.D	313540

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3800**	200	200	4	03/18/2025 15:34

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B23
Date Received:	03/17/2025 11:38	**Extraction Method:**	RSK175
Date Prepared:	03/18/2025	**Analytical Method:**	RSK175
Project:	EO-528520	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-21	2503B23-004A	Water	03/11/2025 11:07	GC26 0318250927.D	313540

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**540**	50	50	1	03/18/2025 15:45

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B23
Date Prepared:	03/18/2025	**BatchID:**	313540
Date Analyzed:	03/18/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528520	**Sample ID:**	MB/LCS/LCSD-313540

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	160	187.2	76	83	70-130	9.12	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503B23 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-528520

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **2 days;**

Date Received: **03/17/2025**
Date Logged: **03/17/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503B23-001	DW-12	Water	3/11/2025 08:19	☐	A	A										
2503B23-002	DW-7	Water	3/11/2025 09:09	☐	A	A										
2503B23-003	DW-18	Water	3/11/2025 10:18	☐	A	A										
2503B23-004	DW-21	Water	3/11/2025 11:07	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-528520 **Work Order:** 2503B23
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-12	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/11/2025 8:19	2 days	3/19/2025	None	☐	☐
002A	DW-7	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/11/2025 9:09	2 days	3/19/2025	None	☐	☐
003A	DW-18	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/11/2025 10:18	2 days	3/19/2025	None	☐	☐
004A	DW-21	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/11/2025 11:07	2 days	3/19/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503B23

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528520
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

HOLD TIME RUSH

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-12	11-MAR-2025 08:19	528520-001	2	Water	RSK-175 CO2	
DW-7	11-MAR-2025 09:09	528520-002	2	Water	RSK-175 CO2	
DW-18	11-MAR-2025 10:18	528520-003	2	Water	RSK-175 CO2	
DW-21	11-MAR-2025 11:07	528520-004	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Quintana EA-ORA	
	Date: 3/12/25 1645	Date:
		Emily P.
	Date:	Date: 03/17/25 1138
	Date:	Date:

GIS: 562757289

2.2 wet
1230

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/17/2025 11:38
Project:	EO-528520	Date Logged:	3/17/2025
		Received by:	Emily Perez
WorkOrder №:	2503B23 Matrix: Water	Logged by:	Emily Perez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.2°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528665
Report Level : II
Report Date : 04/01/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	528665 GW MONITORING Chiquita Canyon Landfill - Quarterly MPars 03/12/25

Sample ID	Lab ID	Collected	Matrix
DW-29	528665-001	03/12/25 08:18	Water
DW-31	528665-002	03/12/25 09:14	Water
DW-1	528665-003	03/12/25 10:08	Water
DW-30	528665-004	03/12/25 11:01	Water
DW-15	528665-005	03/12/25 11:54	Water
QCFB	528665-006	03/12/25 09:16	Water
QCTB	528665-007	03/12/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 528665 Project No: GW MONITORING Location: Chiquita Canyon Landfill - Quarterly MPars Date Received: 03/12/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 03/13/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride, nitrogen, nitrate, and sulfate in the MS/MSD for batch 365866 and the MSs/MSD for batch 366561; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):

- High recovery was observed for chemical oxygen demand in the MS of DW-15 (lab # 528665-005); the LCS was within limits, the associated RPD was within limits, and the high recovery was not associated with any reported results.
- No other analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

- High recovery was observed for ammonia-N in the MS for batch 367523; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 528665

Chain of Custody Record

Lab No: 528665

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-29	3/12/25	818	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-31	"	914	"	"	"	X	X	X	X	X	X	X	X	X
3	DW-1	"	1008	"	"	"	X	X	X	X	X	X	X	X	X
4	DW-30	"	1101	"	"	"	X	X	X	X	X	X	X	X	X
5	DW-15	"	1154	"	↓	"	X	X	X	X	X	X	X	X	X
6	QCFB	↓	916	"	3	"	X								
7	QCTB	—	—	↓	2	↓	X								
8															
9															
10															

Analysis Request

ER 13

1.9 1.9

Quarterly MPars

1.5 1.5

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Test Instructions / Comments

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Paul Chang	CEI	3-12-25 1314
1 Received By:		ALICE TAHMASIAN	EA/NH	3/12/25 1:14pm
2 Relinquished By:		ALICE TAHMASIAN	EA/NH	3/13/25 0836
2 Received By:		Hrag B.	EA.NH	3/13/25 0830
3 Relinquished By:		Hrag B.	EA.NH	3/13/25 1100
3 Received By:		MCG	EA	3-13-25 1255

MCG EA 3-13-25 1400

Page 50 of 50

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/12/25 WO# _____ Client: Chiquita Canyon landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☑ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/12/25 By (initials) AXT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: +0.7°C

Cooler Temp (°C) #1: 10.9 / 10.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged _____ **By (print)**_____ **(sign)**_____

Date Labeled _____ **By (print)**_____ **(sign)**_____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 3/13/25 WO# 528665 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 3/13/25 By (initials) NFG Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0
Cooler Temp (°C) #1: 1.9 / 1.9 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			
5) Were all of, and only, the correct samples received?			
6) Are sample labels present, legible, and in agreement with the CoC?			
7) Does the container count match the CoC?			
8) Was sufficient sample volume / mass received for the analyses requested?			
9) Were samples received in proper containers for the analyses requested?			
10) Were samples received with > 1/2 holding time remaining?			
11) Are samples properly preserved as indicated by CoC / labels?			
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 3/12/25 **By (print)** ABD **(sign)** Ashley
Date Labeled 3/13/25 **By (print)** _____ **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528665

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528665
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 03/12/25

Sample ID: DW-29 **Lab ID: 528665-001** **Collected: 03/12/25 08:18**
Matrix: Water

528665-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.39**		mg/L	0.20	0.034	1	366561	03/20/25 19:30	03/21/25 04:15	JAA
Chloride	**92**		mg/L	1.0	0.27	1	365866	03/13/25 18:00	03/13/25 19:55	AJL
Bromide	**0.33**		mg/L	0.30	0.060	1	365866	03/13/25 18:00	03/13/25 19:55	AJL
Nitrogen, Nitrate	**2.3**		mg/L	0.10	0.05	1	365866	03/13/25 18:00	03/13/25 19:55	AJL
Sulfate	**360**		mg/L	10	1.8	10	365866	03/13/25 18:00	03/13/25 20:18	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	367523	03/31/25	03/31/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**6.0**		mg/L	4.0	2.0	1	367399	03/28/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.33**		mg/L	0.050	0.0055	1	365892	03/13/25	03/14/25	CAP
Calcium	**64**		mg/L	0.57	0.57	1	365892	03/13/25	03/14/25	CAP
Iron	ND		mg/L	0.046	0.046	1	365892	03/13/25	03/14/25	CAP
Magnesium	**8.5**		mg/L	0.10	0.025	1	365892	03/13/25	03/14/25	CAP
Manganese	**0.055**		mg/L	0.010	0.0029	1	365892	03/13/25	03/14/25	CAP
Potassium	**1.3**		mg/L	0.50	0.40	1	365892	03/13/25	03/14/25	CAP
Sodium	**240**		mg/L	0.50	0.35	1	365892	03/13/25	03/14/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	ND		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

528665-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528665

528665-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	101%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	94%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**5.9**		mg/L	1.0	0.68	1	366284	03/18/25	03/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**300**		mg/L	5.0		2.5	366665	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**300**		mg/L	5.0		2.5	366665	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,000**		mg/L	20		2	366172	03/17/25	03/18/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

Sample ID: DW-31	Lab ID: 528665-002	Collected: 03/12/25 09:14
	Matrix: Water	

528665-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.21**		mg/L	0.20	0.034	1	366561	03/20/25 19:30	03/21/25 04:36	JAA
Chloride	**130**		mg/L	1.0	0.27	1	365866	03/13/25 18:00	03/14/25 01:10	AJL
Bromide	**0.57**		mg/L	0.30	0.060	1	365866	03/13/25 18:00	03/14/25 01:10	AJL
Nitrogen, Nitrate	ND		mg/L	1.0	0.50	10	365866	03/13/25 18:00	03/14/25 01:33	AJL
Sulfate	**480**		mg/L	10	1.8	10	365866	03/13/25 18:00	03/14/25 01:33	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	367523	03/31/25	03/31/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**42**		mg/L	4.0	2.0	1	367399	03/28/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.57**		mg/L	0.050	0.0055	1	365892	03/13/25	03/14/25	CAP
Calcium	**210**		mg/L	0.57	0.57	1	365892	03/13/25	03/14/25	CAP
Iron	**0.17**		mg/L	0.046	0.046	1	365892	03/13/25	03/14/25	CAP
Magnesium	**39**		mg/L	0.10	0.025	1	365892	03/13/25	03/14/25	CAP
Manganese	**0.69**		mg/L	0.010	0.0029	1	365892	03/13/25	03/14/25	CAP
Potassium	**1.5**		mg/L	0.50	0.40	1	365892	03/13/25	03/14/25	CAP
Sodium	**150**		mg/L	0.50	0.35	1	365892	03/13/25	03/14/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	ND		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

528665-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	104%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	94%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528665

528665-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**3.3**		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**20**		mg/L	1.0	0.68	1	366284	03/18/25	03/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**480**		mg/L	5.0		2.5	366665	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**480**		mg/L	5.0		2.5	366665	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	366172	03/17/25	03/18/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

Sample ID: DW-1	Lab ID: 528665-003	Collected: 03/12/25 10:08
	Matrix: Water	

528665-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.79**		mg/L	0.20	0.034	1	366561	03/20/25 19:30	03/21/25 04:56	JAA
Chloride	**110**		mg/L	1.0	0.27	1	365866	03/13/25 18:00	03/14/25 02:18	AJL
Bromide	**0.28**	J	mg/L	0.30	0.060	1	365866	03/13/25 18:00	03/14/25 02:18	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	365866	03/13/25 18:00	03/14/25 02:18	AJL
Sulfate	**360**		mg/L	10	1.8	10	365866	03/13/25 18:00	03/14/25 02:40	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	367523	03/31/25	03/31/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**24**		mg/L	4.0	2.0	1	367399	03/28/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.19**		mg/L	0.050	0.0055	1	365892	03/13/25	03/14/25	CAP
Calcium	**54**		mg/L	0.57	0.57	1	365892	03/13/25	03/14/25	CAP
Iron	ND		mg/L	0.046	0.046	1	365892	03/13/25	03/14/25	CAP
Magnesium	**11**		mg/L	0.10	0.025	1	365892	03/13/25	03/14/25	CAP
Manganese	**0.044**		mg/L	0.010	0.0029	1	365892	03/13/25	03/14/25	CAP
Potassium	**2.2**		mg/L	0.50	0.40	1	365892	03/13/25	03/14/25	CAP
Sodium	**210**		mg/L	0.50	0.35	1	365892	03/13/25	03/14/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	ND		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	**0.2**	J	ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

528665-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	**0.3**	J	ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	101%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	95%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528665

528665-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.80**	J	mg/L	1.0	0.68	1	366284	03/18/25	03/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**220**		mg/L	10		5	366665	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**220**		mg/L	10		5	366665	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**880**		mg/L	20		2	366172	03/17/25	03/18/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

Sample ID: DW-30	Lab ID: 528665-004	Collected: 03/12/25 11:01
	Matrix: Water	

528665-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.89**		mg/L	0.20	0.034	1	366561	03/20/25 19:30	03/21/25 05:17	JAA
Chloride	**59**		mg/L	1.0	0.27	1	365866	03/13/25 18:00	03/14/25 03:03	AJL
Bromide	**0.15**	J	mg/L	0.30	0.060	1	365866	03/13/25 18:00	03/14/25 03:03	AJL
Nitrogen, Nitrate	**0.18**		mg/L	0.10	0.05	1	365866	03/13/25 18:00	03/14/25 03:03	AJL
Sulfate	**320**		mg/L	10	1.8	10	365866	03/13/25 18:00	03/14/25 04:10	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	367523	03/31/25	03/31/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	367399	03/28/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.19**		mg/L	0.050	0.0055	1	365892	03/13/25	03/14/25	CAP
Calcium	**37**		mg/L	0.57	0.57	1	365892	03/13/25	03/14/25	CAP
Iron	**0.10**		mg/L	0.046	0.046	1	365892	03/13/25	03/14/25	CAP
Magnesium	**5.9**		mg/L	0.10	0.025	1	365892	03/13/25	03/14/25	CAP
Manganese	**0.040**		mg/L	0.010	0.0029	1	365892	03/13/25	03/14/25	CAP
Potassium	**1.5**		mg/L	0.50	0.40	1	365892	03/13/25	03/14/25	CAP
Sodium	**200**		mg/L	0.50	0.35	1	365892	03/13/25	03/14/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	ND		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

528665-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	**0.5**	J	ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	101%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	92%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	95%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528665

528665-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.2**		mg/L	1.0	0.68	1	366284	03/18/25	03/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	10		5	366665	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	10		5	366665	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**810**		mg/L	20		2	366172	03/17/25	03/18/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

Sample ID: DW-15	Lab ID: 528665-005	Collected: 03/12/25 11:54
	Matrix: Water	

528665-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.10**	J	mg/L	0.20	0.034	1	366561	03/20/25 19:30	03/21/25 05:37	JAA
Chloride	**75**		mg/L	1.0	0.27	1	365866	03/13/25 18:00	03/14/25 08:40	AJL
Bromide	**0.15**	J	mg/L	0.30	0.060	1	365866	03/13/25 18:00	03/14/25 08:40	AJL
Nitrogen, Nitrate	ND		mg/L	2.0	0.99	20	365866	03/13/25 18:00	03/14/25 09:03	AJL
Sulfate	**1,500**		mg/L	20	3.7	20	365866	03/13/25 18:00	03/14/25 09:03	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.15**		mg/L	0.10	0.050	1	367523	03/31/25	03/31/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**3.0**	J	mg/L	4.0	2.0	1	367399	03/28/25	03/28/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	365892	03/13/25	03/14/25	CAP
Calcium	**230**		mg/L	0.57	0.57	1	365892	03/13/25	03/14/25	CAP
Iron	**0.89**		mg/L	0.046	0.046	1	365892	03/13/25	03/14/25	CAP
Magnesium	**33**		mg/L	0.10	0.025	1	365892	03/13/25	03/14/25	CAP
Manganese	**0.58**		mg/L	0.010	0.0029	1	365892	03/13/25	03/14/25	CAP
Potassium	**2.4**		mg/L	0.50	0.40	1	365892	03/13/25	03/14/25	CAP
Sodium	**400**		mg/L	0.50	0.35	1	365892	03/13/25	03/14/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	ND		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528665

528665-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	**0.3**	J	ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	95%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528665

528665-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365879	03/13/25	03/15/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	365879	03/13/25	03/15/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	366284	03/18/25	03/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**230**		mg/L	10		5	366665	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**230**		mg/L	10		5	366665	03/21/25	03/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,500**		mg/L	20		2	366172	03/17/25	03/18/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528665

Sample ID: QCFB	Lab ID: 528665-006	Collected: 03/12/25 09:16
	Matrix: Water	

528665-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	ND		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	**0.6**	J	ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528665

528665-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	94%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528665

Sample ID: QCTB	Lab ID: 528665-007	Collected: 03/12/25
	Matrix: Water	

528665-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	ND		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	ND		ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 528665

528665-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	94%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	95%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1241068**	**Batch:**	**366561**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241068 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	03/20/25 19:30	03/20/25 19:43

Type:	**Lab Control Sample**	**Lab ID:**	**QC1241069**	**Batch:**	**366561**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241069 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.515	10.00	mg/L	95%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1241183**	**Batch:**	**366561**
Matrix (Source ID):	**Water (529129-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241183 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.67	0.2027	20.00	mg/L	107%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1241184**	**Batch:**	**366561**
Matrix (Source ID):	**Water (529129-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.30	0.2027	20.00	mg/L	100%		80-120	7	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1241185**	**Batch:**	**366561**
Matrix (Source ID):	**Water (529251-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241185 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	22.42	0.1836	20.00	mg/L	111%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1241186**	**Batch:**	**366561**
Matrix (Source ID):	**Water (529251-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241186 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	24.02	0.1836	20.00	mg/L	119%		80-120	7	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238800**	**Batch:**	**365866**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238800 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	03/13/25 18:00	03/13/25 18:18
Bromide	ND		mg/L	0.30	0.060	03/13/25 18:00	03/13/25 18:18
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/13/25 18:00	03/13/25 18:18
Sulfate	ND		mg/L	1.0	0.18	03/13/25 18:00	03/13/25 18:18

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238801**	**Batch:**	**365866**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238801 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	48.17	50.00	mg/L	96%		90-110
Bromide	15.06	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.530	4.518	mg/L	100%		90-110
Sulfate	24.95	25.00	mg/L	100%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1238802**	**Batch:**	**365866**
Matrix (Source ID):	**Drinking Water (528539-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238802 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	165.6	65.12	100.0	mg/L	100%		80-120	1
Bromide	15.08	0.2856	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.286	ND	9.036	mg/L	103%		80-120	1
Sulfate	63.54	13.96	50.00	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1238803**	**Batch:**	**365866**
Matrix (Source ID):	**Drinking Water (528539-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238803 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	165.3	65.12	100.0	mg/L	100%		80-120	0	20	1
Bromide	15.02	0.2856	15.00	mg/L	98%		80-120	0	20	1
Nitrogen, Nitrate	9.263	ND	9.036	mg/L	103%		80-120	0	20	1
Sulfate	63.52	13.96	50.00	mg/L	99%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1238806**	**Batch:**	**365866**
Matrix (Source ID):	**Drinking Water (528763-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1238806 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	125.8	21.34	100.0	mg/L	104%		80-120	1
Bromide	15.16	0.1005	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	18.43	9.561	9.036	mg/L	98%	E	80-120	1
Sulfate	123.9	76.61	50.00	mg/L	95%	E	80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1238807	Batch:	365866
Matrix (Source ID):	Drinking Water (528763-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1238807 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	126.7	21.34	100.0	mg/L	105%		80-120	1	20	1
Bromide	15.31	0.1005	15.00	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	18.52	9.561	9.036	mg/L	99%	E	80-120		20	1
Sulfate	124.3	76.61	50.00	mg/L	95%	E	80-120		20	1

Type:	Matrix Spike	Lab ID:	QC1244329	Batch:	367523
Matrix (Source ID):	Water (528665-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1244329 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.046	ND	1.000	mg/L	105%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1244330	Batch:	367523
Matrix (Source ID):	Water (528665-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1244330 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.066	ND	1.000	mg/L	107%		90-110	2	20	1

Type:	Matrix Spike	Lab ID:	QC1244331	Batch:	367523
Matrix (Source ID):	Water (528782-001)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1244331 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.206	0.09420	1.000	mg/L	111%	*	90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1244332	Batch:	367523
Matrix (Source ID):	Water (528782-001)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1244332 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.174	0.09420	1.000	mg/L	108%		90-110	3	20	1

Type:	Blank	Lab ID:	QC1244333	Batch:	367523
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1244333 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/31/25	03/31/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1244334	Batch: 367523
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1244334 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.029	1.000	mg/L	103%		90-110

Type: Blank	Lab ID: QC1243886	Batch: 367399
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1243886 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	03/28/25	03/28/25

Type: Lab Control Sample	Lab ID: QC1243887	Batch: 367399
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1243887 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	91.00	100.0	mg/L	91%		90-110

Type: Matrix Spike	Lab ID: QC1243888	Batch: 367399
Matrix (Source ID): Water (528665-005)	Method: EPA 410.4	Prep Method: METHOD

QC1243888 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	98.00	3.000	100.0	mg/L	95%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1243889	Batch: 367399
Matrix (Source ID): Water (528665-005)	Method: EPA 410.4	Prep Method: METHOD

QC1243889 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	100.0	3.000	100.0	mg/L	97%		75-125	2	20	2

Type: Blank	Lab ID: QC1238889	Batch: 365892
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1238889 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	03/13/25	03/14/25
Calcium	ND		mg/L	0.57	0.57	03/13/25	03/14/25
Iron	ND		mg/L	0.046	0.046	03/13/25	03/14/25
Magnesium	ND		mg/L	0.10	0.025	03/13/25	03/14/25
Manganese	ND		mg/L	0.010	0.0029	03/13/25	03/14/25
Potassium	ND		mg/L	0.50	0.40	03/13/25	03/14/25
Sodium	ND		mg/L	0.50	0.34	03/13/25	03/14/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238890**	**Batch:**	**365892**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1238890 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3446	0.4000	mg/L	86%		80-120
Calcium	18.57	20.40	mg/L	91%		80-120
Iron	0.3491	0.4000	mg/L	87%		80-120
Magnesium	19.12	20.40	mg/L	94%		80-120
Manganese	0.3361	0.4000	mg/L	84%		80-120
Potassium	20.51	24.00	mg/L	85%		80-120
Sodium	17.94	20.40	mg/L	88%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1238891**	**Batch:**	**365892**
Matrix (Source ID):	**Water (528569-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1238891 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.4188	0.08236	0.4000	mg/L	84%		75-125	1
Calcium	96.21	78.79	20.40	mg/L	85%		75-125	1
Iron	0.8006	0.4369	0.4000	mg/L	91%		75-125	1
Magnesium	49.50	31.08	20.40	mg/L	90%		75-125	1
Manganese	0.3715	0.02587	0.4000	mg/L	86%		75-125	1
Potassium	22.82	1.667	24.00	mg/L	88%		75-125	1
Sodium	50.61	32.71	20.40	mg/L	88%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1238892**	**Batch:**	**365892**
Matrix (Source ID):	**Water (528569-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1238892 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.4188	0.08236	0.4000	mg/L	84%		75-125	0	20	1
Calcium	95.26	78.79	20.40	mg/L	81%		75-125	1	20	1
Iron	0.7914	0.4369	0.4000	mg/L	89%		75-125	1	20	1
Magnesium	48.92	31.08	20.40	mg/L	87%		75-125	1	20	1
Manganese	0.3701	0.02587	0.4000	mg/L	86%		75-125	0	20	1
Potassium	22.51	1.667	24.00	mg/L	87%		75-125	1	20	1
Sodium	50.03	32.71	20.40	mg/L	85%		75-125	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Serial Dilution**	**Lab ID:**	**QC1238906**	**Batch:**	**365892**
Matrix (Source ID):	**Water (528569-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1238906 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.08795	0.08236	mg/L	J			5
Calcium	82.18	78.79	mg/L				5
Iron	0.4686	0.4369	mg/L				5
Magnesium	32.51	31.08	mg/L				5
Manganese	0.02637	0.02587	mg/L	J			5
Potassium	ND	1.667	mg/L				5
Sodium	36.41	32.71	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1239512	Batch: 366085
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1239512 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	03/16/25	03/16/25
Freon 12	ND		ug/L	5.0	0.3	03/16/25	03/16/25
Chloromethane	ND		ug/L	5.0	0.4	03/16/25	03/16/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Bromomethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Chloroethane	ND		ug/L	5.0	0.3	03/16/25	03/16/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Acetone	ND		ug/L	100	44	03/16/25	03/16/25
Freon 113	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Methylene Chloride	ND		ug/L	5.0	3.5	03/16/25	03/16/25
MTBE	ND		ug/L	5.0	0.1	03/16/25	03/16/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	03/16/25	03/16/25
2-Butanone	ND		ug/L	100	2.3	03/16/25	03/16/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Chloroform	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Benzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Trichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Dibromomethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	03/16/25	03/16/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Toluene	ND		ug/L	5.0	0.3	03/16/25	03/16/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Tetrachloroethene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Ethylbenzene	ND		ug/L	5.0	0.07	03/16/25	03/16/25
m,p-Xylenes	ND		ug/L	10	0.1	03/16/25	03/16/25
o-Xylene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
Styrene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Bromoform	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/16/25	03/16/25

ENTHALPY ANALYTICAL

Batch QC

QC1239512 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
Bromobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	03/16/25	03/16/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	03/16/25	03/16/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
Naphthalene	ND		ug/L	5.0	0.5	03/16/25	03/16/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/16/25	03/16/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	03/16/25	03/16/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/16/25	03/16/25
Xylene (total)	ND		ug/L	5.0		03/16/25	03/16/25
Surrogates				**Limits**			
Dibromofluoromethane	108%		%REC	70-130		03/16/25	03/16/25
1,2-Dichloroethane-d4	102%		%REC	70-130		03/16/25	03/16/25
Toluene-d8	94%		%REC	70-130		03/16/25	03/16/25
Bromofluorobenzene	100%		%REC	70-130		03/16/25	03/16/25

Type: Lab Control Sample **Lab ID:** QC1239513 **Batch:** 366085
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1239513 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.67	50.00	ug/L	103%		70-135
MTBE	46.64	50.00	ug/L	93%		70-130
Benzene	46.13	50.00	ug/L	92%		70-130
Trichloroethene	47.44	50.00	ug/L	95%		70-130
Toluene	45.89	50.00	ug/L	92%		70-130
Chlorobenzene	47.83	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	52.99	50.00	ug/L	106%		70-130
1,2-Dichloroethane-d4	49.58	50.00	ug/L	99%		70-130
Toluene-d8	47.33	50.00	ug/L	95%		70-130
Bromofluorobenzene	46.86	50.00	ug/L	94%		70-130

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1239514	Batch:	366085
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239514 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	52.96	50.00	ug/L	106%		70-135	2	30
MTBE	47.26	50.00	ug/L	95%		70-130	1	30
Benzene	46.91	50.00	ug/L	94%		70-130	2	30
Trichloroethene	47.96	50.00	ug/L	96%		70-130	1	30
Toluene	46.26	50.00	ug/L	93%		70-130	1	30
Chlorobenzene	47.90	50.00	ug/L	96%		70-130	0	30
Surrogates								
Dibromofluoromethane	52.61	50.00	ug/L	105%		70-130		
1,2-Dichloroethane-d4	48.45	50.00	ug/L	97%		70-130		
Toluene-d8	48.15	50.00	ug/L	96%		70-130		
Bromofluorobenzene	48.83	50.00	ug/L	98%		70-130		

Type:	Matrix Spike	Lab ID:	QC1239535	Batch:	366085
Matrix (Source ID):	Water (528740-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	21.88	ND	20.00	ug/L	109%		70-130	1
MTBE	18.94	ND	20.00	ug/L	95%		75-130	1
Benzene	20.11	ND	20.00	ug/L	101%		70-130	1
Trichloroethene	21.17	ND	20.00	ug/L	106%		63-130	1
Toluene	20.04	ND	20.00	ug/L	100%		70-130	1
Chlorobenzene	20.79	ND	20.00	ug/L	104%		70-130	1
Surrogates								
Dibromofluoromethane	51.62		50.00	ug/L	103%		70-130	1
1,2-Dichloroethane-d4	49.79		50.00	ug/L	100%		70-130	1
Toluene-d8	47.38		50.00	ug/L	95%		70-130	1
Bromofluorobenzene	48.92		50.00	ug/L	98%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239536	Batch:	366085
Matrix (Source ID):	Water (528740-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.46	ND	20.00	ug/L	97%		70-130	12	30	1
MTBE	17.86	ND	20.00	ug/L	89%		75-130	6	30	1
Benzene	18.12	ND	20.00	ug/L	91%		70-130	10	30	1
Trichloroethene	19.20	ND	20.00	ug/L	96%		63-130	10	30	1
Toluene	17.92	ND	20.00	ug/L	90%		70-130	11	30	1
Chlorobenzene	18.76	ND	20.00	ug/L	94%		70-130	10	30	1
Surrogates										
Dibromofluoromethane	53.00		50.00	ug/L	106%		70-130			1
1,2-Dichloroethane-d4	48.92		50.00	ug/L	98%		70-130			1
Toluene-d8	47.40		50.00	ug/L	95%		70-130			1
Bromofluorobenzene	47.64		50.00	ug/L	95%		70-130			1

Type:	Blank	Lab ID:	QC1238839	Batch:	365879
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238839 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/13/25	03/15/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		03/13/25	03/15/25

Type:	Lab Control Sample	Lab ID:	QC1238840	Batch:	365879
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238840 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.392	10.00	ug/L	84%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.07	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1238841	Batch:	365879
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238841 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.665	10.00	ug/L	87%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.06	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1239387	Batch:	366053
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1239387 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/15/25	03/15/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1239388 **Batch:** 366053
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239388 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1239389 **Batch:** 366053
Matrix (Source ID): Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1239390 **Batch:** 366053
Matrix (Source ID): Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1240190 **Batch:** 366284
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240190 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/18/25	03/18/25

Type: Lab Control Sample **Lab ID:** QC1240191 **Batch:** 366284
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240191 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.19	25.00	mg/L	93%		85-115

Type: Matrix Spike **Lab ID:** QC1240192 **Batch:** 366284
Matrix (Source ID): Water (528665-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240192 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	32.73	5.863	25.00	mg/L	107%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1240193 **Batch:** 366284
Matrix (Source ID): Water (528665-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240193 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	36.47	5.863	25.00	mg/L	122%		75-125	11	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1241445** **Batch: 366665**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1241445 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		03/21/25	03/21/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/21/25	03/21/25

Type: Lab Control Sample **Lab ID: QC1241446** **Batch: 366665**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1241446 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,031	1000	mg/L	103%		90-110

Type: Sample Duplicate **Lab ID: QC1241447** **Batch: 366665**
Matrix (Source ID): Water (528700-002) **Method: SM2320B** **Prep Method: METHOD**

QC1241447 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	190.2	192.8	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	190.2	192.8	mg/L		1	20	2.5

Type: Blank **Lab ID: QC1239810** **Batch: 366172**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1239810 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		03/17/25	03/18/25

Type: Lab Control Sample **Lab ID: QC1239811** **Batch: 366172**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1239811 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	927.5	1000	mg/L	93%		90-110

Type: Sample Duplicate **Lab ID: QC1239812** **Batch: 366172**
Matrix (Source ID): Water (528648-001) **Method: SM2540C** **Prep Method: METHOD**

QC1239812 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,106	2134	mg/L		1	5	2

Type: Sample Duplicate **Lab ID: QC1239813** **Batch: 366172**
Matrix (Source ID): Water (528665-001) **Method: SM2540C** **Prep Method: METHOD**

QC1239813 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,000	1002	mg/L		0	5	2

Batch QC

*	Value is outside QC limits
E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected

Laboratory Job Number 528665

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2503B20

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-528665

Project Location:
Project Received: 03/17/2025

Analytical Report reviewed & approved for release on 03/20/2025 by:

Jena Alfaro
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B20
Project: EO-528665

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B20

Project: EO-528665

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B20
Date Received:	03/17/2025 11:38	**Extraction Method:**	RSK175
Date Prepared:	03/17/2025	**Analytical Method:**	RSK175
Project:	EO-528665	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2503B20-001A	Water	03/12/2025 08:18	GC26 0317250106.D	313655

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**11,000**	500	500	10	03/17/2025 14:54

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2503B20-002A	Water	03/12/2025 09:14	GC26 0317250109.D	313655

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**52,000**	2000	2000	40	03/17/2025 15:36

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2503B20-003A	Water	03/12/2025 10:08	GC26 0317250112.D	313655

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3000**	100	100	2	03/17/2025 16:12

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B20
Date Received:	03/17/2025 11:38	**Extraction Method:**	RSK175
Date Prepared:	03/17/2025	**Analytical Method:**	RSK175
Project:	EO-528665	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2503B20-004A	Water	03/12/2025 11:01	GC26 0317250115.D	313655

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3200**	120	120	2.5	03/17/2025 16:49

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-15	2503B20-005A	Water	03/12/2025 11:54	GC26 0317250118.D	313655

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**19,000**	1000	1000	20	03/17/2025 17:28

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B20
Date Prepared:	03/17/2025	**BatchID:**	313655
Date Analyzed:	03/17/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528665	**Sample ID:**	MB/LCS/LCSD-313655

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	76	75	70-130	1.95	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503B20 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 079649
Project: EO-528665

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **03/17/2025**
Date Logged: **03/17/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503B20-001	DW-29	Water	3/12/2025 08:18	☐	A	A										
2503B20-002	DW-31	Water	3/12/2025 09:14	☐	A	A										
2503B20-003	DW-1	Water	3/12/2025 10:08	☐	A	A										
2503B20-004	DW-30	Water	3/12/2025 11:01	☐	A	A										
2503B20-005	DW-15	Water	3/12/2025 11:54	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Gemma Gomez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-528665 **Work Order:** 2503B20
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-29	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/12/2025 8:18	5 days	3/24/2025	None	☐	☐
002A	DW-31	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/12/2025 9:14	5 days	3/24/2025	None	☐	☐
003A	DW-1	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/12/2025 10:08	5 days	3/24/2025	None	☐	☐
004A	DW-30	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/12/2025 11:01	5 days	3/24/2025	None	☐	☐
005A	DW-15	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/12/2025 11:54	5 days	3/24/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503B20

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528665
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-29	12-MAR-2025 08:18	528665-001	2	Water	RSK-175 CO2	
DW-31	12-MAR-2025 09:14	528665-002	2	Water	RSK-175 CO2	
DW-1	12-MAR-2025 10:08	528665-003	2	Water	RSK-175 CO2	
DW-30	12-MAR-2025 11:01	528665-004	2	Water	RSK-175 CO2	
DW-15	12-MAR-2025 11:54	528665-005	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	D. Quintana EA-ORA	
	Date: 3/13/25 1650	Date: 3/17/25 11:38
	Date:	Date:
	Date:	Date:

1 of 1

915: 562757346

10.3 met

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528665

Date and Time Received: 3/17/2025 11:38
Date Logged: 3/17/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

WorkOrder №: 2503B20 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 10.3°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 529353
Report Level : II
Report Date : 04/09/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #: 529353
Project No: GW MONITORING
Date Received: 03/20/25

Sample ID	Lab ID	Collected	Matrix
DW-8	529353-001	03/20/25 09:06	Water
DW-17	529353-002	03/20/25 10:41	Water
DW-16	529353-003	03/20/25 12:00	Water
DW-3	529353-004	03/20/25 12:56	Water
QCFB	529353-005	03/20/25 09:08	Water
QCTB	529353-006	03/20/25 00:00	Water

Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Steve Cassulo

Lab Job Number: 529353
Project No: GW MONITORING
Date Received: 03/20/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/21/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride and sulfate in the MS/MSD for batch 366683 and the MS/MSD for batch 368244; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 529353

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical
931 W Barkely Ave, Orange, CA 92868
(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-8	3/20/25	906	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-17	↓	1041	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-16	↓	1200	↓	↓	↓	X	X	X	X	X	X	X	X	X
4	DW-3	↓	1256	↓	↓	↓	X	X	X	X	X	X	X	X	X
5	QCFB	↓	908	↓	3	↓	X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

Analysis Request

IR 13
2.8,20

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Login 529353

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Paul Chang	CEI	3/20/25 1410
1 Received By:		Hrag B.	EA-WH	3/20/25 1410
2 Relinquished By:		Hrag B.	EA-WH	3/21/25 1100
2 Received By:		Mike b	EA	3-21-25 1207
3 Relinquished By:		M Arb	EA	3-21-25 1700
3 Received By:		[illegible]	EA	3/21/25 1300

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3·20·25 WO# _____ Client: CHIQUITA CYN L.F.

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☑ No**

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3·20·25 By (initials) JWL Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 12.3 / 11.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/21/25 WO# 529353 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/21/25 By (initials) NIG Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 2.8 / 2.8 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC? Illegible	✗	✓	
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.C - ONE 500ML AMBER GLASS FOR SAMPLE -003 HAS NO SAMPLING TIME.

- SAMPLES FOR -006 HAVE NO SAMPLE ID, DATE AND TIME OF COLLECTION

☐ **No additional discrepancies**

Date Logged 3/20/25 **By (print)** Adam Dinkmeyer **(sign)** AdDnk

Date Labeled 3/21/25 **By (print)** EA - ORANGE **(sign)** EA - ORANGE

ENTHALPY ANALYTICAL

Analysis Results for 529353

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 529353
Project No: GW MONITORING
Date Received: 03/20/25

Sample ID: DW-8 **Lab ID: 529353-001** **Collected: 03/20/25 09:06**
Matrix: Water

529353-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.21**		mg/L	0.20	0.034	1	368244	04/08/25 14:36	04/08/25 20:36	AJL
Chloride	**67**		mg/L	1.0	0.27	1	366683	03/21/25 15:05	03/22/25 02:21	AJL
Bromide	**0.19**	J	mg/L	0.30	0.060	1	366683	03/21/25 15:05	03/22/25 02:21	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	366683	03/21/25 15:05	03/22/25 02:21	AJL
Sulfate	**2,800**		mg/L	50	12	50	366683	03/21/25 15:05	03/22/25 02:42	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**1.0**		mg/L	0.10	0.050	1	367727	04/02/25	04/02/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	367576	04/01/25	04/01/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.0**		mg/L	0.050	0.0055	1	366726	03/22/25	03/23/25	KCD
Calcium	**350**		mg/L	0.57	0.57	1	366726	03/22/25	03/23/25	KCD
Iron	**5.0**		mg/L	0.046	0.046	1	366726	03/22/25	03/23/25	KCD
Magnesium	**200**		mg/L	0.10	0.025	1	366726	03/22/25	03/23/25	KCD
Manganese	**0.064**		mg/L	0.010	0.0029	1	366726	03/22/25	03/23/25	KCD
Potassium	**6.2**		mg/L	0.50	0.42	1	366726	03/22/25	03/24/25	KCD
Sodium	**580**		mg/L	0.50	0.35	1	366726	03/22/25	03/23/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	367564	04/01/25	04/01/25	HMN
Freon 12	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Chloromethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromomethane	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
Chloroethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Acetone	ND		ug/L	100	21	1	367564	04/01/25	04/01/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Methylene Chloride	ND		ug/L	5.0	2.4	1	367564	04/01/25	04/01/25	HMN
MTBE	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
2-Butanone	ND		ug/L	100	1.7	1	367564	04/01/25	04/01/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Chloroform	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

529353-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Benzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Trichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	367564	04/01/25	04/01/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	367564	04/01/25	04/01/25	HMN
Toluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Tetrachloroethene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	367564	04/01/25	04/01/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	367564	04/01/25	04/01/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Styrene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Propylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Xylene (total)	ND		ug/L	5.0		1	367564	04/01/25	04/01/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

529353-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	97%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
Toluene-d8	99%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
Bromofluorobenzene	100%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	366785	03/23/25	03/25/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	366785	03/23/25	03/25/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366723	03/22/25	03/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.8**		mg/L	1.0	0.68	1	367056	03/26/25	03/26/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**400**		mg/L	6.7		3.3	367167	03/26/25	03/26/25	WWC
Alkalinity, Total as CaCO3	**400**		mg/L	6.7		3.3	367167	03/26/25	03/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,500**		mg/L	40		4	367027	03/25/25	03/26/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

Sample ID: DW-17	Lab ID: 529353-002	Collected: 03/20/25 10:41
	Matrix: Water	

529353-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.16**	J	mg/L	0.20	0.072	1	366683	03/21/25 15:05	03/22/25 03:03	AJL
Chloride	**150**		mg/L	1.0	0.27	1	366683	03/21/25 15:05	03/22/25 03:03	AJL
Bromide	**0.31**		mg/L	0.30	0.060	1	366683	03/21/25 15:05	03/22/25 03:03	AJL
Nitrogen, Nitrate	**0.98**		mg/L	0.10	0.05	1	366683	03/21/25 15:05	03/22/25 03:03	AJL
Sulfate	**180**		mg/L	10	2.5	10	366683	03/21/25 15:05	03/22/25 03:24	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	367727	04/02/25	04/02/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	367576	04/01/25	04/01/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.075**		mg/L	0.050	0.0055	1	366726	03/22/25	03/23/25	KCD
Calcium	**4.9**		mg/L	0.57	0.57	1	366726	03/22/25	03/23/25	KCD
Iron	ND		mg/L	0.046	0.046	1	366726	03/22/25	03/23/25	KCD
Magnesium	**0.15**		mg/L	0.10	0.025	1	366726	03/22/25	03/23/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	366726	03/22/25	03/23/25	KCD
Potassium	**0.56**		mg/L	0.50	0.42	1	366726	03/22/25	03/24/25	KCD
Sodium	**220**		mg/L	0.50	0.35	1	366726	03/22/25	03/23/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	367564	04/01/25	04/01/25	HMN
Freon 12	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Chloromethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromomethane	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
Chloroethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Acetone	ND		ug/L	100	21	1	367564	04/01/25	04/01/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Methylene Chloride	ND		ug/L	5.0	2.4	1	367564	04/01/25	04/01/25	HMN
MTBE	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
2-Butanone	ND		ug/L	100	1.7	1	367564	04/01/25	04/01/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Chloroform	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

529353-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Trichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	367564	04/01/25	04/01/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	367564	04/01/25	04/01/25	HMN
Toluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Tetrachloroethene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	367564	04/01/25	04/01/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	367564	04/01/25	04/01/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Styrene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Propylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Xylene (total)	ND		ug/L	5.0		1	367564	04/01/25	04/01/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
1,2-Dichloroethane-d4	96%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
Toluene-d8	101%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
Bromofluorobenzene	99%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 529353

529353-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	366785	03/23/25	03/25/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	366785	03/23/25	03/25/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366723	03/22/25	03/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.3**		mg/L	1.0	0.68	1	367056	03/26/25	03/26/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**110**		mg/L	5.0		2.5	367167	03/26/25	03/26/25	WWC
Alkalinity, Total as CaCO3	**160**		mg/L	5.0		2.5	367167	03/26/25	03/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**690**		mg/L	20		2	367027	03/25/25	03/26/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

Sample ID: DW-16	Lab ID: 529353-003	Collected: 03/20/25 12:00
	Matrix: Water	

529353-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.40**		mg/L	0.20	0.072	1	366683	03/21/25 15:05	03/22/25 03:45	AJL
Chloride	**100**		mg/L	1.0	0.27	1	366683	03/21/25 15:05	03/22/25 03:45	AJL
Bromide	**0.26**	J	mg/L	0.30	0.060	1	366683	03/21/25 15:05	03/22/25 03:45	AJL
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.05	1	366683	03/21/25 15:05	03/22/25 03:45	AJL
Sulfate	**180**		mg/L	10	2.5	10	366683	03/21/25 15:05	03/22/25 04:06	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	367727	04/02/25	04/02/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**4.0**		mg/L	4.0	2.0	1	367576	04/01/25	04/01/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.12**		mg/L	0.050	0.0055	1	366726	03/22/25	03/23/25	KCD
Calcium	**6.8**		mg/L	0.57	0.57	1	366726	03/22/25	03/23/25	KCD
Iron	ND		mg/L	0.046	0.046	1	366726	03/22/25	03/23/25	KCD
Magnesium	**0.39**		mg/L	0.10	0.025	1	366726	03/22/25	03/23/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	366726	03/22/25	03/23/25	KCD
Potassium	**0.72**		mg/L	0.50	0.42	1	366726	03/22/25	03/24/25	KCD
Sodium	**230**		mg/L	0.50	0.35	1	366726	03/22/25	03/23/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	367564	04/01/25	04/01/25	HMN
Freon 12	**0.3**	J	ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Chloromethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromomethane	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
Chloroethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Trichlorofluoromethane	**0.09**	J	ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Acetone	ND		ug/L	100	21	1	367564	04/01/25	04/01/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Methylene Chloride	ND		ug/L	5.0	2.4	1	367564	04/01/25	04/01/25	HMN
MTBE	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloroethane	**1.1**	J	ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
2-Butanone	ND		ug/L	100	1.7	1	367564	04/01/25	04/01/25	HMN
cis-1,2-Dichloroethene	**0.7**	J	ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Chloroform	**0.3**	J	ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

529353-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	**0.2**	J	ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Trichloroethene	**0.7**	J	ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	367564	04/01/25	04/01/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	367564	04/01/25	04/01/25	HMN
Toluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Tetrachloroethene	**0.6**	J	ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	367564	04/01/25	04/01/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	367564	04/01/25	04/01/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Styrene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Propylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,4-Dichlorobenzene	**0.3**	J	ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	HMN
Xylene (total)	ND		ug/L	5.0		1	367564	04/01/25	04/01/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
1,2-Dichloroethane-d4	98%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
Toluene-d8	100%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN
Bromofluorobenzene	100%		%REC	70-130		1	367564	04/01/25	04/01/25	HMN

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 529353

529353-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	366785	03/23/25	03/25/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	366785	03/23/25	03/25/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366723	03/22/25	03/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.4**		mg/L	1.0	0.68	1	367056	03/26/25	03/26/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**210**		mg/L	5.0		2.5	367167	03/26/25	03/26/25	WWC
Alkalinity, Total as CaCO3	**240**		mg/L	5.0		2.5	367167	03/26/25	03/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**660**		mg/L	20		2	367027	03/25/25	03/26/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

Sample ID: DW-3	Lab ID: 529353-004	Collected: 03/20/25 12:56
	Matrix: Water	

529353-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.63**		mg/L	0.20	0.072	1	366683	03/21/25 15:05	03/22/25 04:27	AJL
Chloride	**57**		mg/L	1.0	0.27	1	366683	03/21/25 15:05	03/22/25 04:27	AJL
Bromide	**0.19**	J	mg/L	0.30	0.060	1	366683	03/21/25 15:05	03/22/25 04:27	AJL
Nitrogen, Nitrate	**1.9**		mg/L	0.10	0.05	1	366683	03/21/25 15:05	03/22/25 04:27	AJL
Sulfate	**100**		mg/L	10	2.5	10	366683	03/21/25 15:05	03/22/25 04:48	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	367727	04/02/25	04/02/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**3.0**	J	mg/L	4.0	2.0	1	367576	04/01/25	04/01/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.25**		mg/L	0.050	0.0055	1	366726	03/22/25	03/23/25	KCD
Calcium	**33**		mg/L	0.57	0.57	1	366726	03/22/25	03/23/25	KCD
Iron	ND		mg/L	0.046	0.046	1	366726	03/22/25	03/23/25	KCD
Magnesium	**4.0**		mg/L	0.10	0.025	1	366726	03/22/25	03/23/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	366726	03/22/25	03/23/25	KCD
Potassium	**1.4**		mg/L	0.50	0.42	1	366726	03/22/25	03/24/25	KCD
Sodium	**120**		mg/L	0.50	0.35	1	366726	03/22/25	03/23/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	367564	04/01/25	04/01/25	EJB
Freon 12	**4.4**	J	ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Trichlorofluoromethane	**0.1**	J	ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Acetone	ND		ug/L	100	21	1	367564	04/01/25	04/01/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	367564	04/01/25	04/01/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloroethane	**0.3**	J	ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	367564	04/01/25	04/01/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

529353-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	367564	04/01/25	04/01/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	367564	04/01/25	04/01/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Tetrachloroethene	**0.8**	J	ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	367564	04/01/25	04/01/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	367564	04/01/25	04/01/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Xylene (total)	ND		ug/L	5.0		1	367564	04/01/25	04/01/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	95%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
1,2-Dichloroethane-d4	95%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
Toluene-d8	99%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
Bromofluorobenzene	99%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 529353

529353-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	366785	03/23/25	03/25/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	366785	03/23/25	03/25/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366723	03/22/25	03/22/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	367056	03/26/25	03/26/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	5.0		2.5	367167	03/26/25	03/26/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	5.0		2.5	367167	03/26/25	03/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**500**		mg/L	20		2	367027	03/25/25	03/26/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

Sample ID: QCFB	Lab ID: 529353-005	Collected: 03/20/25 09:08
	Matrix: Water	

529353-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	367564	04/01/25	04/01/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Acetone	ND		ug/L	100	21	1	367564	04/01/25	04/01/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	367564	04/01/25	04/01/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	367564	04/01/25	04/01/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	367564	04/01/25	04/01/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	367564	04/01/25	04/01/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	367564	04/01/25	04/01/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	367564	04/01/25	04/01/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

529353-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Xylene (total)	ND		ug/L	5.0		1	367564	04/01/25	04/01/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	95%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
1,2-Dichloroethane-d4	95%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
Toluene-d8	102%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

Sample ID: QCTB	Lab ID: 529353-006	Collected: 03/20/25
	Matrix: Water	

529353-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	367564	04/01/25	04/01/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Acetone	ND		ug/L	100	21	1	367564	04/01/25	04/01/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	367564	04/01/25	04/01/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	367564	04/01/25	04/01/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	367564	04/01/25	04/01/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	367564	04/01/25	04/01/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	367564	04/01/25	04/01/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	367564	04/01/25	04/01/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	367564	04/01/25	04/01/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	367564	04/01/25	04/01/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 529353

529353-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	367564	04/01/25	04/01/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	367564	04/01/25	04/01/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	367564	04/01/25	04/01/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	367564	04/01/25	04/01/25	EJB
Xylene (total)	ND		ug/L	5.0		1	367564	04/01/25	04/01/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
1,2-Dichloroethane-d4	97%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
Toluene-d8	101%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	367564	04/01/25	04/01/25	EJB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1241498**	**Batch:**	**366683**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241498 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.072	03/21/25 15:05	03/21/25 18:00
Chloride	ND		mg/L	1.0	0.27	03/21/25 15:05	03/21/25 18:00
Bromide	ND		mg/L	0.30	0.060	03/21/25 15:05	03/21/25 18:00
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/21/25 15:05	03/21/25 18:00
Sulfate	ND		mg/L	1.0	0.25	03/21/25 15:05	03/21/25 18:00

Type:	**Lab Control Sample**	**Lab ID:**	**QC1241499**	**Batch:**	**366683**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241499 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.597	10.00	mg/L	96%		90-110
Chloride	47.26	50.00	mg/L	95%		90-110
Bromide	14.88	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.471	4.518	mg/L	99%		90-110
Sulfate	25.05	25.00	mg/L	100%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1241500**	**Batch:**	**366683**
Matrix (Source ID):	**Water (529294-003)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241500 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.86	0.09194	20.00	mg/L	99%		80-120	1
Chloride	185.8	90.99	100.0	mg/L	95%		80-120	1
Bromide	15.18	0.1479	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.672	0.5605	9.036	mg/L	101%		80-120	1
Sulfate	74.57	25.10	50.00	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1241501**	**Batch:**	**366683**
Matrix (Source ID):	**Water (529294-003)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1241501 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.67	0.09194	20.00	mg/L	98%		80-120	1	20	1
Chloride	185.1	90.99	100.0	mg/L	94%		80-120	0	20	1
Bromide	15.05	0.1479	15.00	mg/L	99%		80-120	1	20	1
Nitrogen, Nitrate	9.601	0.5605	9.036	mg/L	100%		80-120	1	20	1
Sulfate	74.11	25.10	50.00	mg/L	98%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1241502	Batch:	366683
Matrix (Source ID):	Water (529397-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1241502 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.10	0.4406	20.00	mg/L	98%		80-120	1
Chloride	338.2	242.9	100.0	mg/L	95%	E	80-120	1
Bromide	15.77	0.9493	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	12.45	3.468	9.036	mg/L	99%		80-120	1
Sulfate	173.3	127.9	50.00	mg/L	91%	E	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1241503	Batch:	366683
Matrix (Source ID):	Water (529397-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1241503 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.25	0.4406	20.00	mg/L	99%		80-120	1	20	1
Chloride	338.9	242.9	100.0	mg/L	96%	E	80-120		20	1
Bromide	15.92	0.9493	15.00	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	12.51	3.468	9.036	mg/L	100%		80-120	0	20	1
Sulfate	173.8	127.9	50.00	mg/L	92%	E	80-120		20	1

Type:	Blank	Lab ID:	QC1246850	Batch:	368244
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1246850 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	04/08/25 14:36	04/08/25 19:55

Type:	Lab Control Sample	Lab ID:	QC1246851	Batch:	368244
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1246851 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.564	10.00	mg/L	96%		90-110

Type:	Matrix Spike	Lab ID:	QC1246852	Batch:	368244
Matrix (Source ID):	Water (530526-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1246852 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.41	0.4065	20.00	mg/L	100%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1246853	Batch:	368244
Matrix (Source ID):	Water (530526-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1246853 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.88	0.4065	20.00	mg/L	102%		80-120	2	20	1

Type:	Matrix Spike	Lab ID:	QC1246867	Batch:	368244
Matrix (Source ID):	Water (530350-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1246867 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.23	0.3809	20.00	mg/L	99%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1246868	Batch:	368244
Matrix (Source ID):	Water (530350-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1246868 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.36	0.3809	20.00	mg/L	100%		80-120	1	20	1

Type:	Blank	Lab ID:	QC1245022	Batch:	367727
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1245022 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	04/02/25	04/02/25

Type:	Lab Control Sample	Lab ID:	QC1245025	Batch:	367727
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1245025 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9102	1.000	mg/L	91%		90-110

Type:	Matrix Spike	Lab ID:	QC1245026	Batch:	367727
Matrix (Source ID):	Water (529397-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1245026 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.099	ND	1.000	mg/L	110%		90-110	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1245027	Batch:	367727
Matrix (Source ID):	Water (529397-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1245027 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9887	ND	1.000	mg/L	99%		90-110	11	20	1

Type:	Matrix Spike	Lab ID:	QC1245028	Batch:	367727
Matrix (Source ID):	Water (529798-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1245028 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9278	ND	1.000	mg/L	93%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1245029	Batch:	367727
Matrix (Source ID):	Water (529798-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1245029 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9279	ND	1.000	mg/L	93%		90-110	0	20	1

Type:	Blank	Lab ID:	QC1244533	Batch:	367576
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1244533 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	04/01/25	04/01/25

Type:	Lab Control Sample	Lab ID:	QC1244534	Batch:	367576
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1244534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	99.00	100.0	mg/L	99%		90-110

Type:	Matrix Spike	Lab ID:	QC1244535	Batch:	367576
Matrix (Source ID):	Water (529353-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1244535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	98.00	ND	100.0	mg/L	98%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1244536**	**Batch:**	**367576**
Matrix (Source ID):	**Water (529353-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1244536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	102.0	ND	100.0	mg/L	102%		75-125	4	20	2

Type:	**Matrix Spike**	**Lab ID:**	**QC1244537**	**Batch:**	**367576**
Matrix (Source ID):	**Water (529353-002)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1244537 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	92.00	ND	100.0	mg/L	92%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1244538**	**Batch:**	**367576**
Matrix (Source ID):	**Water (529353-002)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1244538 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	94.00	ND	100.0	mg/L	94%		75-125	2	20	2

Type:	**Blank**	**Lab ID:**	**QC1241657**	**Batch:**	**366726**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1241657 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	03/22/25	03/23/25
Calcium	ND		mg/L	0.57	0.57	03/22/25	03/23/25
Iron	ND		mg/L	0.046	0.046	03/22/25	03/23/25
Magnesium	ND		mg/L	0.10	0.025	03/22/25	03/23/25
Manganese	ND		mg/L	0.010	0.0029	03/22/25	03/23/25
Potassium	ND		mg/L	0.50	0.42	03/22/25	03/24/25
Sodium	ND		mg/L	0.50	0.35	03/22/25	03/23/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1241658**	**Batch:**	**366726**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1241658 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3496	0.4000	mg/L	87%		80-120
Calcium	19.09	20.40	mg/L	94%		80-120
Iron	0.3580	0.4000	mg/L	90%		80-120
Magnesium	18.69	20.40	mg/L	92%		80-120
Manganese	0.3631	0.4000	mg/L	91%		80-120
Potassium	20.75	24.00	mg/L	86%		80-120
Sodium	18.25	20.40	mg/L	89%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1241659	Batch:	366726
Matrix (Source ID):	Water (529458-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1241659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	90.20	83.79	8.000	mg/L	80%	NM	75-125	20
Calcium	6,294	6016	408.0	mg/L	68%	NM	75-125	20
Iron	938.1	944.8	8.000	mg/L	-83%	E,NM	75-125	20
Magnesium	1,238	886.0	408.0	mg/L	86%		75-125	20
Manganese	43.06	36.66	8.000	mg/L	80%	NM	75-125	20
Potassium	1,993	1598	480.0	mg/L	82%		75-125	20
Sodium	5,262	4981	408.0	mg/L	69%	NM	75-125	20

Type:	Matrix Spike Duplicate	Lab ID:	QC1241660	Batch:	366726
Matrix (Source ID):	Water (529458-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1241660 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	90.55	83.79	8.000	mg/L	84%	NM	75-125	0	20	20
Calcium	6,289	6016	408.0	mg/L	67%	NM	75-125	0	20	20
Iron	938.6	944.8	8.000	mg/L	-77%	E,NM	75-125		20	20
Magnesium	1,231	886.0	408.0	mg/L	84%		75-125	1	20	20
Manganese	43.00	36.66	8.000	mg/L	79%	NM	75-125	0	20	20
Potassium	2,032	1598	480.0	mg/L	90%		75-125	2	20	20
Sodium	5,266	4981	408.0	mg/L	70%	NM	75-125	0	20	20

Type:	Serial Dilution	Lab ID:	QC1242133	Batch:	366726
Matrix (Source ID):	Water (529353-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1242133 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	1.093	1.001	mg/L				5
Calcium	360.3	349.6	mg/L				5
Iron	5.256	4.959	mg/L				5
Magnesium	201.7	196.6	mg/L				5
Manganese	0.06669	0.06387	mg/L				5
Potassium	5.430	6.176	mg/L				5
Sodium	619.6	583.0	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1244490**	**Batch:**	**367564**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1244490 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.30	50.00	ug/L	99%		70-135
MTBE	43.55	50.00	ug/L	87%		70-130
Benzene	48.80	50.00	ug/L	98%		70-130
Trichloroethene	52.54	50.00	ug/L	105%		70-130
Toluene	50.47	50.00	ug/L	101%		70-130
Chlorobenzene	50.80	50.00	ug/L	102%		70-130
Surrogates						
Dibromofluoromethane	48.30	50.00	ug/L	97%		70-130
1,2-Dichloroethane-d4	46.06	50.00	ug/L	92%		70-130
Toluene-d8	51.46	50.00	ug/L	103%		70-130
Bromofluorobenzene	51.36	50.00	ug/L	103%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1244491**	**Batch:**	**367564**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1244491 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.51	50.00	ug/L	99%		70-135	0	30
MTBE	45.24	50.00	ug/L	90%		70-130	4	30
Benzene	49.16	50.00	ug/L	98%		70-130	1	30
Trichloroethene	50.64	50.00	ug/L	101%		70-130	4	30
Toluene	49.03	50.00	ug/L	98%		70-130	3	30
Chlorobenzene	50.15	50.00	ug/L	100%		70-130	1	30
Surrogates								
Dibromofluoromethane	48.51	50.00	ug/L	97%		70-130		
1,2-Dichloroethane-d4	47.18	50.00	ug/L	94%		70-130		
Toluene-d8	50.56	50.00	ug/L	101%		70-130		
Bromofluorobenzene	50.63	50.00	ug/L	101%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1244495	**Batch:** 367564	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1244495 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	04/01/25	04/01/25
Freon 12	ND		ug/L	5.0	0.2	04/01/25	04/01/25
Chloromethane	ND		ug/L	5.0	0.3	04/01/25	04/01/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Bromomethane	ND		ug/L	5.0	0.4	04/01/25	04/01/25
Chloroethane	ND		ug/L	5.0	0.3	04/01/25	04/01/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	04/01/25	04/01/25
Acetone	ND		ug/L	100	21	04/01/25	04/01/25
Freon 113	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	04/01/25	04/01/25
Methylene Chloride	ND		ug/L	5.0	2.4	04/01/25	04/01/25
MTBE	ND		ug/L	5.0	0.09	04/01/25	04/01/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	04/01/25	04/01/25
2-Butanone	ND		ug/L	100	1.7	04/01/25	04/01/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Chloroform	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/01/25	04/01/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	04/01/25	04/01/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/01/25	04/01/25
Benzene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Trichloroethene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Bromodichloromethane	ND		ug/L	5.0	0.08	04/01/25	04/01/25
Dibromomethane	ND		ug/L	5.0	0.2	04/01/25	04/01/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	04/01/25	04/01/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	04/01/25	04/01/25
Toluene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/01/25	04/01/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Tetrachloroethene	ND		ug/L	5.0	0.09	04/01/25	04/01/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	04/01/25	04/01/25
Chlorobenzene	ND		ug/L	5.0	0.09	04/01/25	04/01/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
m,p-Xylenes	ND		ug/L	10	0.2	04/01/25	04/01/25
o-Xylene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Styrene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
Bromoform	ND		ug/L	5.0	0.2	04/01/25	04/01/25
Isopropylbenzene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/01/25	04/01/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/01/25	04/01/25

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Batch QC

QC1244495 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
Bromobenzene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/01/25	04/01/25
n-Butylbenzene	ND		ug/L	5.0	0.4	04/01/25	04/01/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/01/25	04/01/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	04/01/25	04/01/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	04/01/25	04/01/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	04/01/25	04/01/25
Naphthalene	ND		ug/L	5.0	0.3	04/01/25	04/01/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	04/01/25	04/01/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	04/01/25	04/01/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	04/01/25	04/01/25
Xylene (total)	ND		ug/L	5.0		04/01/25	04/01/25
Surrogates				**Limits**			
Dibromofluoromethane	94%		%REC	70-130		04/01/25	04/01/25
1,2-Dichloroethane-d4	95%		%REC	70-130		04/01/25	04/01/25
Toluene-d8	102%		%REC	70-130		04/01/25	04/01/25
Bromofluorobenzene	101%		%REC	70-130		04/01/25	04/01/25

Type: Matrix Spike **Lab ID:** QC1244569 **Batch:** 367564
Matrix (Source ID): Water (530045-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1244569 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	925.9	ND	1000	ug/L	93%		70-130	50
MTBE	866.6	ND	1000	ug/L	87%		75-130	50
Benzene	965.5	16.89	1000	ug/L	95%		70-130	50
Trichloroethene	983.1	ND	1000	ug/L	98%		63-130	50
Toluene	955.9	ND	1000	ug/L	96%		70-130	50
Chlorobenzene	967.7	ND	1000	ug/L	97%		70-130	50
Surrogates								
Dibromofluoromethane	2,422		2500	ug/L	97%		70-130	50
1,2-Dichloroethane-d4	2,334		2500	ug/L	93%		70-130	50
Toluene-d8	2,554		2500	ug/L	102%		70-130	50
Bromofluorobenzene	2,510		2500	ug/L	100%		70-130	50

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1244570	Batch:	367564
Matrix (Source ID):	Water (530045-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1244570 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	1,007	ND	1000	ug/L	101%		70-130	8	30	50
MTBE	963.6	ND	1000	ug/L	96%		75-130	11	30	50
Benzene	1,030	16.89	1000	ug/L	101%		70-130	6	30	50
Trichloroethene	1,047	ND	1000	ug/L	105%		63-130	6	30	50
Toluene	1,004	ND	1000	ug/L	100%		70-130	5	30	50
Chlorobenzene	1,023	ND	1000	ug/L	102%		70-130	6	30	50
Surrogates										
Dibromofluoromethane	2,493		2500	ug/L	100%		70-130			50
1,2-Dichloroethane-d4	2,396		2500	ug/L	96%		70-130			50
Toluene-d8	2,509		2500	ug/L	100%		70-130			50
Bromofluorobenzene	2,502		2500	ug/L	100%		70-130			50

Type:	Blank	Lab ID:	QC1241864	Batch:	366785
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1241864 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/23/25	03/25/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		03/23/25	03/25/25

Type:	Lab Control Sample	Lab ID:	QC1241865	Batch:	366785
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1241865 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.345	10.00	ug/L	93%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.15	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1241866	Batch:	366785
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1241866 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.855	10.00	ug/L	89%		80-120	5	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.12	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1241643	Batch:	366723
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1241643 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/22/25	03/22/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1241644 **Batch:** 366723
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1241644 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1241645 **Batch:** 366723
Matrix (Source ID): Water (529179-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1241645 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1241646 **Batch:** 366723
Matrix (Source ID): Water (529179-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1241646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1242795 **Batch:** 367056
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1242795 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/26/25	03/26/25

Type: Lab Control Sample **Lab ID:** QC1242796 **Batch:** 367056
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1242796 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.44	25.00	mg/L	98%		85-115

Type: Matrix Spike **Lab ID:** QC1242797 **Batch:** 367056
Matrix (Source ID): Water (529353-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1242797 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	26.21	2.758	25.00	mg/L	94%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1242798 **Batch:** 367056
Matrix (Source ID): Water (529353-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1242798 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	26.41	2.758	25.00	mg/L	95%		75-125	1	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1243106	Batch: 367167
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1243106 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		03/26/25	03/26/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/26/25	03/26/25

Type: Lab Control Sample	Lab ID: QC1243107	Batch: 367167
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1243107 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,073	1000	mg/L	107%		90-110

Type: Sample Duplicate	Lab ID: QC1243108	Batch: 367167
Matrix (Source ID): Water (529555-002)	Method: SM2320B	Prep Method: METHOD

QC1243108 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	148.7	145.0	mg/L		3	20	2.5
Alkalinity, Total as CaCO3	148.7	145.0	mg/L		3	20	2.5

Type: Blank	Lab ID: QC1242637	Batch: 367027
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1242637 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		03/25/25	03/26/25

Type: Lab Control Sample	Lab ID: QC1242638	Batch: 367027
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1242638 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,048	1000	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC1242639	Batch: 367027
Matrix (Source ID): Water (529353-001)	Method: SM2540C	Prep Method: METHOD

QC1242639 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	4,400	4472	mg/L		2	5	4

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

Laboratory Job Number 529353

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2503G75

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-529353

Project Location:
Project Received: 03/25/2025

Analytical Report reviewed & approved for release on 03/28/2025 by:

Tracy Babjar

Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503G75

Project: EO-529353

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503G75

Project: EO-529353

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503G75
Date Received:	03/25/2025 11:25	**Extraction Method:**	RSK175
Date Prepared:	03/26/2025-03/27/2025	**Analytical Method:**	RSK175
Project:	EO-529353	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-8	2503G75-001A	Water	03/20/2025 09:06	GC26 0326250906.D	314160

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**29,000**	1200	1200	25	03/26/2025 12:32

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-17	2503G75-002A	Water	03/20/2025 10:41	GC26 0327251006.D	314160

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**440**	50	50	1	03/27/2025 11:43

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-16	2503G75-003A	Water	03/20/2025 12:00	GC26 0326250915.D	314160

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1300**	50	50	1	03/26/2025 15:54

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503G75
Date Received:	03/25/2025 11:25	**Extraction Method:**	RSK175
Date Prepared:	03/26/2025-03/27/2025	**Analytical Method:**	RSK175
Project:	EO-529353	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-3	2503G75-004A	Water	03/20/2025 12:56	GC26 0326250919.D	314160

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3200**	120	120	2.5	03/26/2025 16:42

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503G75
Date Prepared:	03/26/2025	**BatchID:**	314160
Date Analyzed:	03/26/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-529353	**Sample ID:**	MB/LCS/LCSD-314160

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	160	140	187.2	85	75	70-130	11.9	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503G75 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-529353

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **03/25/2025**
Date Logged: **03/25/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503G75-001	DW-8	Water	3/20/2025 09:06	☐	A	A										
2503G75-002	RW-17	Water	3/20/2025 10:41	☐	A	A										
2503G75-003	DW-16	Water	3/20/2025 12:00	☐	A	A										
2503G75-004	DW-3	Water	3/20/2025 12:56	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-529353 **Work Order:** 2503G75
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/25/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-8	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/20/2025 9:06	5 days	4/1/2025	Present	☐	☐
002A	RW-17	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/20/2025 10:41	5 days	4/1/2025	Present	☐	☐
003A	DW-16	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/20/2025 12:00	5 days	4/1/2025	Present	☐	☐
004A	DW-3	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/20/2025 12:56	5 days	4/1/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503G15

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-529353
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

ample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
W-8	20-MAR-2025 09:06	529353-001	2	Water	RSK-175 CO2	
W-17	20-MAR-2025 10:41	529353-002	2	Water	RSK-175 CO2	
W-16	20-MAR-2025 12:00	529353-003	2	Water	RSK-175 CO2	
W-3	20-MAR-2025 12:56	529353-004	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Tim Kelly TTS Kelly	GLS
	Date: 3/24/25	Date:
	Date:	Date:
	GLS	Carlina Fo
	Date:	Date: 3/25/25 1125AM

GLS: 562794105

0.2 Wet IR45

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/25/2025 11:25
Project:	EO-529353	Date Logged:	3/25/2025
		Received by:	
WorkOrder №:	2503G75 Matrix:	Logged by:	Carolina Garcia
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.2°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531579
Report Level : II
Report Date : 05/07/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	531579 GW MONITORING Chiquita Canyon Landfill - Quarterly MPars 04/22/25

Sample ID	Lab ID	Collected	Matrix
DW-28	531579-001	04/22/25 08:37	Water
DW-8	531579-002	04/22/25 10:10	Water
DW-9	531579-003	04/22/25 11:32	Water
DW-29	531579-004	04/22/25 12:38	Water
QCFB	531579-005	04/22/25 10:12	Water
QCTB	531579-006	04/22/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 531579 Project No: GW MONITORING Location: Chiquita Canyon Landfill - Quarterly MPars Date Received: 04/22/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 04/23/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 531579

Chain of Custody Record

Lab No: 531579

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-28	4/22/25	837	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-8		1010				X	X	X	X	X	X	X	X	X
3	DW-9		1132				X	X	X	X	X	X	X	X	X
4	DW-29		1238				X	X	X	X	X	X	X	X	X
5	QCFB		1012		3		X								
6	QCTB		—		2		X								
7															
8															
9															
10															

Analysis Request

Test Instructions / Comments

DR 11

4.3, 4.4

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	4/22/25 1340
[1] Received By:		Jim Lin	EA·NH	4·22·25 1340
[2] Relinquished By:		Jim Lin	EA·NH	4.23.25 9:30
[2] Received By:		GEMA O	EA·NH	4.23.25 9:30
[3] Relinquished By:		GEMA O	EA·NH	4.23.25 10:46
[3] Received By:		N/A	EA	4-23-25 1200

REL: N/A EA 4-23-25 1245 / REC: GILBERT QUINTANA- EA-ORA 4/23/25 1245

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 4.22.25 WO# _____ Client: WASTE MANAGEMENT

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4.22.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 13.2 / 12.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 4/23/25 WO# 531579 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/23/25 By (initials) NICK G Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR4 CF: +0.1

Cooler Temp (°C) #1: 4.3 / 4.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC? (SW)	X	✓	
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?		✓	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.6) SAMPLE 006 – BOTH HCL VOA VIALS W/ NO ID, DATE, TIME – LABELED BASED ON PROCESS OF ELIMINATION

4.13) SAMPLE 006- 1 OF 2 HCL VOA VIALS W/ HEADSPACE > 6mm

☐ **No additional discrepancies**

Date Logged 4/22/25 **By (print)** ABD **(sign)** ABD

Date Labeled 4/23/25 **By (print)** JXR **(sign)** JXR

ENTHALPY ANALYTICAL

Analysis Results for 531579

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531579
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 04/22/25

Sample ID: DW-28 **Lab ID: 531579-001** **Collected: 04/22/25 08:37**
Matrix: Water

531579-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**1.3**		mg/L	0.20	0.034	1	370129	04/30/25 14:55	05/01/25 11:52	AJL
Chloride	**34**		mg/L	1.0	0.27	1	369548	04/23/25 15:23	04/23/25 16:31	SSN
Bromide	**0.17**	J	mg/L	0.30	0.060	1	369548	04/23/25 15:23	04/23/25 16:31	SSN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	369548	04/23/25 15:23	04/23/25 16:31	SSN
Sulfate	**450**		mg/L	10	1.8	10	369548	04/23/25 15:23	04/23/25 16:48	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.39**		mg/L	0.10	0.050	1	369651	04/24/25	04/24/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**2.0**	J	mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.5**		mg/L	0.050	0.0055	1	369547	04/23/25	04/23/25	CAP
Calcium	**5.3**		mg/L	0.57	0.57	1	369547	04/23/25	04/23/25	CAP
Iron	ND		mg/L	0.046	0.046	1	369547	04/23/25	04/23/25	CAP
Magnesium	**0.91**		mg/L	0.10	0.025	1	369547	04/23/25	04/23/25	CAP
Manganese	**0.0048**	J	mg/L	0.010	0.0029	1	369547	04/23/25	04/23/25	CAP
Potassium	**0.90**		mg/L	0.50	0.40	1	369547	04/23/25	04/24/25	CAP
Sodium	**340**		mg/L	0.50	0.35	1	369547	04/23/25	04/24/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369514	04/23/25	04/23/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	369514	04/23/25	04/23/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Acetone	ND		ug/L	100	17	1	369514	04/23/25	04/23/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	369514	04/23/25	04/23/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Butanone	ND		ug/L	100	2.0	1	369514	04/23/25	04/23/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

531579-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Benzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369514	04/23/25	04/23/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	369514	04/23/25	04/23/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369514	04/23/25	04/23/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	369514	04/23/25	04/23/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

531579-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	110%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Toluene-d8	96%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369733	04/25/25	04/25/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.1**		mg/L	1.0	0.68	1	369669	04/24/25	04/25/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**270**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**340**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	369571	04/23/25	04/24/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

Sample ID: DW-8	Lab ID: 531579-002	Collected: 04/22/25 10:10
	Matrix: Water	

531579-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.21**		mg/L	0.20	0.034	1	370129	04/30/25 14:55	05/01/25 12:12	AJL
Chloride	**65**		mg/L	1.0	0.27	1	369548	04/23/25 15:23	04/23/25 17:05	SSN
Bromide	**0.18**	J	mg/L	0.30	0.060	1	369548	04/23/25 15:23	04/23/25 17:05	SSN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	369548	04/23/25 15:23	04/23/25 17:05	SSN
Sulfate	**2,800**		mg/L	50	9.1	50	369548	04/23/25 15:23	04/24/25 10:20	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**1.1**		mg/L	0.10	0.050	1	369651	04/24/25	04/24/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.2**		mg/L	0.050	0.0055	1	369547	04/23/25	04/23/25	CAP
Calcium	**390**		mg/L	0.57	0.57	1	369547	04/23/25	04/23/25	CAP
Iron	**5.9**		mg/L	0.046	0.046	1	369547	04/23/25	04/23/25	CAP
Magnesium	**220**		mg/L	0.10	0.025	1	369547	04/23/25	04/23/25	CAP
Manganese	**0.076**		mg/L	0.010	0.0029	1	369547	04/23/25	04/23/25	CAP
Potassium	**6.3**		mg/L	0.50	0.40	1	369547	04/23/25	04/24/25	CAP
Sodium	**590**		mg/L	0.50	0.35	1	369547	04/23/25	04/24/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369514	04/23/25	04/23/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	369514	04/23/25	04/23/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Acetone	ND		ug/L	100	17	1	369514	04/23/25	04/23/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	369514	04/23/25	04/23/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Butanone	ND		ug/L	100	2.0	1	369514	04/23/25	04/23/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

531579-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369514	04/23/25	04/23/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	369514	04/23/25	04/23/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369514	04/23/25	04/23/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	369514	04/23/25	04/23/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Toluene-d8	94%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531579

531579-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369733	04/25/25	04/25/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.2**		mg/L	1.0	0.68	1	369669	04/24/25	04/25/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**380**		mg/L	10		5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**380**		mg/L	10		5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,700**		mg/L	40		4	369571	04/23/25	04/24/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

Sample ID: DW-9	Lab ID: 531579-003	Collected: 04/22/25 11:32
	Matrix: Water	

531579-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**2.2**		mg/L	0.20	0.034	1	370129	04/30/25 14:55	05/01/25 12:33	AJL
Chloride	**79**		mg/L	1.0	0.27	1	369548	04/23/25 15:23	04/23/25 17:38	SSN
Bromide	**0.25**	J	mg/L	0.30	0.060	1	369548	04/23/25 15:23	04/23/25 17:38	SSN
Nitrogen, Nitrate	**2.0**		mg/L	0.10	0.05	1	369548	04/23/25 15:23	04/23/25 17:38	SSN
Sulfate	**670**		mg/L	10	1.8	10	369548	04/23/25 15:23	04/23/25 17:55	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369651	04/24/25	04/24/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.67**		mg/L	0.050	0.0055	1	369547	04/23/25	04/23/25	CAP
Calcium	**24**		mg/L	0.57	0.57	1	369547	04/23/25	04/23/25	CAP
Iron	**0.058**		mg/L	0.046	0.046	1	369547	04/23/25	04/23/25	CAP
Magnesium	**2.5**		mg/L	0.10	0.025	1	369547	04/23/25	04/23/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	369547	04/23/25	04/23/25	CAP
Potassium	**1.4**		mg/L	0.50	0.40	1	369547	04/23/25	04/24/25	CAP
Sodium	**370**		mg/L	0.50	0.35	1	369547	04/23/25	04/24/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369514	04/23/25	04/23/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	369514	04/23/25	04/23/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Acetone	ND		ug/L	100	17	1	369514	04/23/25	04/23/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	369514	04/23/25	04/23/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Butanone	ND		ug/L	100	2.0	1	369514	04/23/25	04/23/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

531579-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369514	04/23/25	04/23/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	369514	04/23/25	04/23/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369514	04/23/25	04/23/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	369514	04/23/25	04/23/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Toluene-d8	98%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531579

531579-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369733	04/25/25	04/25/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.73**	J	mg/L	1.0	0.68	1	369669	04/24/25	04/25/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**170**		mg/L	10		5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	10		5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	369571	04/23/25	04/24/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

Sample ID: DW-29	Lab ID: 531579-004	Collected: 04/22/25 12:38
	Matrix: Water	

531579-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.35**		mg/L	0.20	0.034	1	370505	05/05/25 18:00	05/05/25 23:49	SSN
Chloride	**92**		mg/L	1.0	0.27	1	369548	04/23/25 15:23	04/23/25 18:12	SSN
Bromide	**0.30**	J	mg/L	0.30	0.060	1	369548	04/23/25 15:23	04/23/25 18:12	SSN
Nitrogen, Nitrate	**2.1**		mg/L	0.10	0.05	1	369548	04/23/25 15:23	04/23/25 18:12	SSN
Sulfate	**360**		mg/L	10	1.8	10	369548	04/23/25 15:23	04/23/25 18:29	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369651	04/24/25	04/24/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.42**		mg/L	0.050	0.0055	1	369547	04/23/25	04/23/25	CAP
Calcium	**79**		mg/L	0.57	0.57	1	369547	04/23/25	04/23/25	CAP
Iron	**0.051**		mg/L	0.046	0.046	1	369547	04/23/25	04/23/25	CAP
Magnesium	**10**		mg/L	0.10	0.025	1	369547	04/23/25	04/23/25	CAP
Manganese	**0.11**		mg/L	0.010	0.0029	1	369547	04/23/25	04/23/25	CAP
Potassium	**1.5**		mg/L	0.50	0.40	1	369547	04/23/25	04/24/25	CAP
Sodium	**240**		mg/L	0.50	0.35	1	369547	04/23/25	04/24/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369514	04/23/25	04/23/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	369514	04/23/25	04/23/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Acetone	ND		ug/L	100	17	1	369514	04/23/25	04/23/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	369514	04/23/25	04/23/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Butanone	ND		ug/L	100	2.0	1	369514	04/23/25	04/23/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

531579-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369514	04/23/25	04/23/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	369514	04/23/25	04/23/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369514	04/23/25	04/23/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	369514	04/23/25	04/23/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Toluene-d8	95%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Bromofluorobenzene	100%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531579

531579-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369733	04/25/25	04/25/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**6.5**		mg/L	1.0	0.68	1	369669	04/24/25	04/25/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**300**		mg/L	10		5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**300**		mg/L	10		5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	369571	04/23/25	04/24/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

Sample ID: QCFB	Lab ID: 531579-005	Collected: 04/22/25 10:12
	Matrix: Water	

531579-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369514	04/23/25	04/23/25	TCN
Freon 12	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Bromomethane	ND		ug/L	5.0	0.8	1	369514	04/23/25	04/23/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Acetone	ND		ug/L	100	17	1	369514	04/23/25	04/23/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Methylene Chloride	**6.5**		ug/L	5.0	3.5	1	369514	04/23/25	04/23/25	TCN
MTBE	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
2-Butanone	ND		ug/L	100	2.0	1	369514	04/23/25	04/23/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Chloroform	**0.8**	J	ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Trichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369514	04/23/25	04/23/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Toluene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	369514	04/23/25	04/23/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Styrene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369514	04/23/25	04/23/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

531579-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	TCN
Xylene (total)	ND		ug/L	5.0		1	369514	04/23/25	04/23/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	369514	04/23/25	04/23/25	TCN
1,2-Dichloroethane-d4	109%		%REC	70-130		1	369514	04/23/25	04/23/25	TCN
Toluene-d8	95%		%REC	70-130		1	369514	04/23/25	04/23/25	TCN
Bromofluorobenzene	101%		%REC	70-130		1	369514	04/23/25	04/23/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

Sample ID: QCTB	Lab ID: 531579-006	Collected: 04/22/25
	Matrix: Water	

531579-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369514	04/23/25	04/23/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	369514	04/23/25	04/23/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Acetone	ND		ug/L	100	17	1	369514	04/23/25	04/23/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	369514	04/23/25	04/23/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Butanone	ND		ug/L	100	2.0	1	369514	04/23/25	04/23/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Benzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369514	04/23/25	04/23/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	369514	04/23/25	04/23/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369514	04/23/25	04/23/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531579

531579-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369514	04/23/25	04/23/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369514	04/23/25	04/23/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	369514	04/23/25	04/23/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369514	04/23/25	04/23/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369514	04/23/25	04/23/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	369514	04/23/25	04/23/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Toluene-d8	96%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ
Bromofluorobenzene	99%		%REC	70-130		1	369514	04/23/25	04/23/25	LYZ

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1251270	**Batch:** 369548
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1251270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	04/23/25 15:23	04/23/25 15:58
Bromide	ND		mg/L	0.30	0.060	04/23/25 15:23	04/23/25 15:58
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	04/23/25 15:23	04/23/25 15:58
Sulfate	ND		mg/L	1.0	0.18	04/23/25 15:23	04/23/25 15:58

Type: Lab Control Sample	**Lab ID:** QC1251271	**Batch:** 369548
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1251271 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	46.60	50.00	mg/L	93%		90-110
Bromide	14.69	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.360	4.518	mg/L	97%		90-110
Sulfate	24.39	25.00	mg/L	98%		90-110

Type: Matrix Spike	**Lab ID:** QC1251272	**Batch:** 369548
Matrix (Source ID): Water (531446-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1251272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	108.5	8.170	100.0	mg/L	100%		80-120	1
Bromide	14.53	ND	15.00	mg/L	97%		80-120	1
Nitrogen, Nitrate	8.672	0.1782	9.036	mg/L	94%		80-120	1
Sulfate	60.41	11.12	50.00	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1251273	**Batch:** 369548
Matrix (Source ID): Water (531446-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1251273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	109.9	8.170	100.0	mg/L	102%		80-120	1	20	1
Bromide	14.73	ND	15.00	mg/L	98%		80-120	1	20	1
Nitrogen, Nitrate	9.005	0.1782	9.036	mg/L	98%		80-120	4	20	1
Sulfate	61.07	11.12	50.00	mg/L	100%		80-120	1	20	1

Type: Blank	**Lab ID:** QC1253266	**Batch:** 370129
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1253266 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	04/30/25 14:55	04/30/25 22:19

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1253267	Batch: 370129
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC1253267 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.633	10.00	mg/L	96%		90-110

Type: Matrix Spike	Lab ID: QC1253270	Batch: 370129
Matrix (Source ID): Water (531984-002)	Method: EPA 300.0	Prep Method: METHOD

QC1253270 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.39	0.1045	20.00	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1253271	Batch: 370129
Matrix (Source ID): Water (531984-002)	Method: EPA 300.0	Prep Method: METHOD

QC1253271 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.22	0.1045	20.00	mg/L	101%		80-120	1	20	1

Type: Blank	Lab ID: QC1254608	Batch: 370505
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254608 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	05/05/25 18:00	05/05/25 18:21

Type: Lab Control Sample	Lab ID: QC1254609	Batch: 370505
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254609 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.122	10.00	mg/L	91%		90-110

Type: Matrix Spike	Lab ID: QC1254632	Batch: 370505
Matrix (Source ID): Water (532353-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.38	0.6905	20.00	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1254633	Batch: 370505
Matrix (Source ID): Water (532353-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254633 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.33	0.6905	20.00	mg/L	98%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC1251587 **Batch:** 369651
Matrix: Water **Method:** EPA 350.1 **Prep Method:** METHOD

QC1251587 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	04/24/25	04/24/25

Type: Lab Control Sample **Lab ID:** QC1251588 **Batch:** 369651
Matrix: Water **Method:** EPA 350.1 **Prep Method:** METHOD

QC1251588 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9818	1.000	mg/L	98%		90-110

Type: Lab Control Sample **Lab ID:** QC1251589 **Batch:** 369651
Matrix: Water **Method:** EPA 350.1 **Prep Method:** METHOD

QC1251589 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9966	1.000	mg/L	100%		90-110

Type: Lab Control Sample **Lab ID:** QC1251590 **Batch:** 369651
Matrix: Water **Method:** EPA 350.1 **Prep Method:** METHOD

QC1251590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.045	1.000	mg/L	104%		90-110

Type: Matrix Spike **Lab ID:** QC1251591 **Batch:** 369651
Matrix (Source ID): Water (531590-001) **Method:** EPA 350.1 **Prep Method:** METHOD

QC1251591 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.049	ND	1.000	mg/L	105%		90-110	1

Type: Matrix Spike Duplicate **Lab ID:** QC1251592 **Batch:** 369651
Matrix (Source ID): Water (531590-001) **Method:** EPA 350.1 **Prep Method:** METHOD

QC1251592 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.058	ND	1.000	mg/L	106%		90-110	1	20	1

Type: Blank **Lab ID:** QC1252437 **Batch:** 369882
Matrix: Water **Method:** EPA 410.4 **Prep Method:** METHOD

QC1252437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	04/28/25	04/28/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1252438	Batch:	369882
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1252438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	100.0	100.0	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1252439	Batch:	369882
Matrix (Source ID):	Water (531407-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1252439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	128.0	12.00	100.0	mg/L	116%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1252440	Batch:	369882
Matrix (Source ID):	Water (531407-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1252440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	126.0	12.00	100.0	mg/L	114%		75-125	2	20	2

Type:	Matrix Spike	Lab ID:	QC1252441	Batch:	369882
Matrix (Source ID):	Water (531446-002)	Method:	EPA 410.4	Prep Method:	METHOD

QC1252441 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	118.0	16.00	100.0	mg/L	102%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1252442	Batch:	369882
Matrix (Source ID):	Water (531446-002)	Method:	EPA 410.4	Prep Method:	METHOD

QC1252442 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	126.0	16.00	100.0	mg/L	110%		75-125	7	20	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1251266	Batch:	369547
Matrix (Source ID):	Water (531579-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1251266 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.913	1.510	0.4000	mg/L	101%		75-125	1
Calcium	25.79	5.264	20.40	mg/L	101%		75-125	1
Iron	0.4278	ND	0.4000	mg/L	107%		75-125	1
Magnesium	21.32	0.9093	20.40	mg/L	100%		75-125	1
Manganese	0.4152	0.004766	0.4000	mg/L	103%		75-125	1
Potassium	22.69	0.9016	24.00	mg/L	91%		75-125	1
Sodium	357.0	339.9	20.40	mg/L	84%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1251267	Batch:	369547
Matrix (Source ID):	Water (531579-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1251267 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.914	1.510	0.4000	mg/L	101%		75-125	0	20	1
Calcium	25.97	5.264	20.40	mg/L	101%		75-125	1	20	1
Iron	0.4385	ND	0.4000	mg/L	110%		75-125	2	20	1
Magnesium	21.50	0.9093	20.40	mg/L	101%		75-125	1	20	1
Manganese	0.4209	0.004766	0.4000	mg/L	104%		75-125	1	20	1
Potassium	22.87	0.9016	24.00	mg/L	92%		75-125	1	20	1
Sodium	357.7	339.9	20.40	mg/L	87%	NM	75-125	0	20	1

Type:	Blank	Lab ID:	QC1251268	Batch:	369547
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1251268 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	04/23/25	04/24/25
Calcium	ND		mg/L	0.57	0.57	04/23/25	04/23/25
Iron	ND		mg/L	0.046	0.046	04/23/25	04/23/25
Magnesium	ND		mg/L	0.10	0.025	04/23/25	04/23/25
Manganese	ND		mg/L	0.010	0.0029	04/23/25	04/23/25
Potassium	ND		mg/L	0.50	0.40	04/23/25	04/24/25
Sodium	ND		mg/L	0.50	0.35	04/23/25	04/24/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1251269	Batch:	369547
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1251269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3832	0.4000	mg/L	96%		80-120
Calcium	19.71	20.40	mg/L	97%		80-120
Iron	0.3869	0.4000	mg/L	97%		80-120
Magnesium	19.64	20.40	mg/L	96%		80-120
Manganese	0.3921	0.4000	mg/L	98%		80-120
Potassium	20.64	24.00	mg/L	86%		80-120
Sodium	17.77	20.40	mg/L	87%		80-120

Type:	Serial Dilution	Lab ID:	QC1251313	Batch:	369547
Matrix (Source ID):	Water (531579-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1251313 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	1.357	1.510	mg/L				5
Calcium	4.775	5.264	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	0.8597	0.9093	mg/L				5
Manganese	ND	0.004766	mg/L				5
Potassium	ND	0.9016	mg/L				5
Sodium	357.7	339.9	mg/L				5

Type:	Lab Control Sample	Lab ID:	QC1251161	Batch:	369514
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1251161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.56	50.00	ug/L	93%		70-135
MTBE	48.33	50.00	ug/L	97%		70-130
Benzene	48.29	50.00	ug/L	97%		70-130
Trichloroethene	49.95	50.00	ug/L	100%		70-130
Toluene	47.46	50.00	ug/L	95%		70-130
Chlorobenzene	46.95	50.00	ug/L	94%		70-130
Surrogates						
Dibromofluoromethane	49.55	50.00	ug/L	99%		70-130
1,2-Dichloroethane-d4	51.92	50.00	ug/L	104%		70-130
Toluene-d8	49.72	50.00	ug/L	99%		70-130
Bromofluorobenzene	50.93	50.00	ug/L	102%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1251162**	**Batch:**	**369514**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1251162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.57	50.00	ug/L	89%		70-135	4	30
MTBE	46.98	50.00	ug/L	94%		70-130	3	30
Benzene	46.60	50.00	ug/L	93%		70-130	4	30
Trichloroethene	48.12	50.00	ug/L	96%		70-130	4	30
Toluene	45.05	50.00	ug/L	90%		70-130	5	30
Chlorobenzene	44.62	50.00	ug/L	89%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.25	50.00	ug/L	99%		70-130		
1,2-Dichloroethane-d4	50.94	50.00	ug/L	102%		70-130		
Toluene-d8	49.83	50.00	ug/L	100%		70-130		
Bromofluorobenzene	50.89	50.00	ug/L	102%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1251166	**Batch:** 369514	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1251166 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	04/23/25	04/23/25
Freon 12	ND		ug/L	5.0	0.3	04/23/25	04/23/25
Chloromethane	ND		ug/L	5.0	0.4	04/23/25	04/23/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Bromomethane	ND		ug/L	5.0	0.8	04/23/25	04/23/25
Chloroethane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Acetone	ND		ug/L	100	17	04/23/25	04/23/25
Freon 113	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Methylene Chloride	ND		ug/L	5.0	3.5	04/23/25	04/23/25
MTBE	ND		ug/L	5.0	0.1	04/23/25	04/23/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	04/23/25	04/23/25
2-Butanone	ND		ug/L	100	2.0	04/23/25	04/23/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Chloroform	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Benzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Trichloroethene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Bromodichloromethane	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Dibromomethane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	04/23/25	04/23/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Toluene	ND		ug/L	5.0	0.2	04/23/25	04/23/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Tetrachloroethene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Chlorobenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
m,p-Xylenes	ND		ug/L	10	0.2	04/23/25	04/23/25
o-Xylene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Styrene	ND		ug/L	5.0	0.08	04/23/25	04/23/25
Bromoform	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Isopropylbenzene	ND		ug/L	5.0	0.09	04/23/25	04/23/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/23/25	04/23/25

ENTHALPY ANALYTICAL

Batch QC

QC1251166 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
Bromobenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	04/23/25	04/23/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/23/25	04/23/25
n-Butylbenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	04/23/25	04/23/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Naphthalene	ND		ug/L	5.0	0.3	04/23/25	04/23/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	04/23/25	04/23/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	04/23/25	04/23/25
Xylene (total)	ND		ug/L	5.0		04/23/25	04/23/25
Surrogates				**Limits**			
Dibromofluoromethane	97%		%REC	70-130		04/23/25	04/23/25
1,2-Dichloroethane-d4	105%		%REC	70-130		04/23/25	04/23/25
Toluene-d8	96%		%REC	70-130		04/23/25	04/23/25
Bromofluorobenzene	100%		%REC	70-130		04/23/25	04/23/25

Type: Matrix Spike **Lab ID:** QC1251217 **Batch:** 369514
Matrix (Source ID): Water (531549-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1251217 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	16.86	ND	20.00	ug/L	84%		70-130	1
MTBE	17.69	ND	20.00	ug/L	88%		75-130	1
Benzene	18.90	1.061	20.00	ug/L	89%		70-130	1
Trichloroethene	18.34	ND	20.00	ug/L	92%		63-130	1
Toluene	17.50	ND	20.00	ug/L	88%		70-130	1
Chlorobenzene	18.57	1.039	20.00	ug/L	88%		70-130	1
Surrogates								
Dibromofluoromethane	48.49		50.00	ug/L	97%		70-130	1
1,2-Dichloroethane-d4	53.59		50.00	ug/L	107%		70-130	1
Toluene-d8	49.04		50.00	ug/L	98%		70-130	1
Bromofluorobenzene	50.70		50.00	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1251218	Batch:	369514
Matrix (Source ID):	Water (531549-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1251218 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	16.34	ND	20.00	ug/L	82%		70-130	3	30	1
MTBE	20.21	ND	20.00	ug/L	101%		75-130	13	30	1
Benzene	18.04	1.061	20.00	ug/L	85%		70-130	5	30	1
Trichloroethene	17.85	ND	20.00	ug/L	89%		63-130	3	30	1
Toluene	16.73	ND	20.00	ug/L	84%		70-130	4	30	1
Chlorobenzene	17.84	1.039	20.00	ug/L	84%		70-130	4	30	1
Surrogates										
Dibromofluoromethane	49.15		50.00	ug/L	98%		70-130			1
1,2-Dichloroethane-d4	53.07		50.00	ug/L	106%		70-130			1
Toluene-d8	49.39		50.00	ug/L	99%		70-130			1
Bromofluorobenzene	51.66		50.00	ug/L	103%		70-130			1

Type:	Blank	Lab ID:	QC1252036	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252036 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	04/25/25	04/26/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		04/25/25	04/26/25

Type:	Lab Control Sample	Lab ID:	QC1252038	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252038 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.756	10.00	ug/L	88%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.867	10.00	ug/L	99%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252039	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.890	10.00	ug/L	89%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.08	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1251896	Batch:	369733
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1251896 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		04/25/25	04/25/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1251897 **Batch:** 369733
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1251897 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.100	1.000	mg/L	110%		90-110

Type: Matrix Spike **Lab ID:** QC1251898 **Batch:** 369733
Matrix (Source ID): Water (531641-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1251898 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.100	ND	1.000	mg/L	110%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1251899 **Batch:** 369733
Matrix (Source ID): Water (531641-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1251899 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.100	ND	1.000	mg/L	110%		80-120	0	20	1

Type: Blank **Lab ID:** QC1251654 **Batch:** 369669
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1251654 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	04/24/25	04/24/25

Type: Lab Control Sample **Lab ID:** QC1251655 **Batch:** 369669
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1251655 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.40	25.00	mg/L	94%		85-115

Type: Matrix Spike **Lab ID:** QC1251656 **Batch:** 369669
Matrix (Source ID): Water (531225-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1251656 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.16	2.469	25.00	mg/L	103%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1251657 **Batch:** 369669
Matrix (Source ID): Water (531225-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1251657 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	28.49	2.469	25.00	mg/L	104%		75-125	1	25	1

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Batch QC

Type: Blank **Lab ID: QC1252245** **Batch: 369830**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1252245 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		04/26/25	04/26/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		04/26/25	04/26/25

Type: Lab Control Sample **Lab ID: QC1252246** **Batch: 369830**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1252246 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	984.0	1000	mg/L	98%		90-110

Type: Sample Duplicate **Lab ID: QC1252499** **Batch: 369830**
Matrix (Source ID): Drinking Water (531630-001) **Method: SM2320B** **Prep Method: METHOD**

QC1252499 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	71.14	72.49	mg/L		2	20	1
Alkalinity, Total as CaCO3	80.81	82.16	mg/L		2	20	1

Type: Blank **Lab ID: QC1251332** **Batch: 369571**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1251332 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		04/23/25	04/24/25

Type: Lab Control Sample **Lab ID: QC1251333** **Batch: 369571**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1251333 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,001	1000	mg/L	100%		90-110

Type: Sample Duplicate **Lab ID: QC1251334** **Batch: 369571**
Matrix (Source ID): Water (531581-001) **Method: SM2540C** **Prep Method: METHOD**

QC1251334 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,944	1904	mg/L		2	5	2

Type: Sample Duplicate **Lab ID: QC1251335** **Batch: 369571**
Matrix (Source ID): Water (531581-011) **Method: SM2540C** **Prep Method: METHOD**

QC1251335 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	6,116	5836	mg/L		5	5	4

Batch QC

ND Not Detected
NM Not Meaningful

Laboratory Job Number 531579

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2504K65

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-531579

Project Location:
Project Received: 04/25/2025

Analytical Report reviewed & approved for release on 04/29/2025 by:

Jennifer Lagerbom
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504K65

Project: EO-531579

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504K65

Project: EO-531579

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504K65
Date Received:	04/25/2025 9:51	**Extraction Method:**	RSK175
Date Prepared:	04/28/2025	**Analytical Method:**	RSK175
Project:	EO-531579	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-28	2504K65-001A	Water	04/22/2025 08:37	GC26 0428250905.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1100**	50	50	1	04/28/2025 11:00

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-8	2504K65-002A	Water	04/22/2025 10:10	GC26 0428250908.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**31,000**	2000	2000	40	04/28/2025 11:58

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-9	2504K65-003A	Water	04/22/2025 11:32	GC26 0428250910.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1100**	50	50	1	04/28/2025 13:27

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504K65
Date Received:	04/25/2025 9:51	**Extraction Method:**	RSK175
Date Prepared:	04/28/2025	**Analytical Method:**	RSK175
Project:	EO-531579	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2504K65-004A	Water	04/22/2025 12:38	GC26 0428250913.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**9800**	500	500	10	04/28/2025 14:07

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504K65
Date Prepared:	04/28/2025	**BatchID:**	316352
Date Analyzed:	04/28/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-531579	**Sample ID:**	MB/LCS/LCSD-316352

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	150	187.2	75	78	70-130	5.00	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2504K65 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531579

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **04/25/2025**
Date Logged: **04/25/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504K65-001	DW-28	Water	4/22/2025 08:37	☐	A	A										
2504K65-002	DW-8	Water	4/22/2025 10:10	☐	A	A										
2504K65-003	DW-9	Water	4/22/2025 11:32	☐	A	A										
2504K65-004	DW-29	Water	4/22/2025 12:38	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-531579 **Work Order:** 2504K65
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/25/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-28	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/22/2025 8:37	2 days	4/29/2025	Present	☐	☐
002A	DW-8	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/22/2025 10:10	2 days	4/29/2025	Present	☐	☐
003A	DW-9	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/22/2025 11:32	2 days	4/29/2025	Present	☐	☐
004A	DW-29	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/22/2025 12:38	2 days	4/29/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2504K65

HOLD TIME RUSH

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-531579
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-28	22-APR-2025 08:37	531579-001	2	Water	RSK-175 CO2	
DW-8	22-APR-2025 10:10	531579-002	2	Water	RSK-175 CO2	
DW-9	22-APR-2025 11:32	531579-003	2	Water	RSK-175 CO2	
DW-29	22-APR-2025 12:38	531579-004	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	J. Quintana EA-ORA	
	Date: 4/24/25 1610	Date: 4/25/25 0951
	Date:	Date:
	Date:	Date:

D. Sciuca IR33

1 of 1
GSO: 562932044

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531579

Date and Time Received: 4/25/2025 09:51
Date Logged: 4/25/2025
Received by: Agustina Venegas
Logged by: Agustina Venegas

WorkOrder №: 2504K65 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.8°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531645
Report Level : II
Report Date : 05/08/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	531645 GW MONITORING Chiquita Canyon Landfill / Quarterly MPars 04/23/25

Sample ID	Lab ID	Collected	Matrix
DW-12	531645-001	04/23/25 08:47	Water
DW-7	531645-002	04/23/25 09:44	Water
DW-18	531645-003	04/23/25 10:43	Water
DW-21	531645-004	04/23/25 11:27	Water
PZ-4	531645-005	04/23/25 12:50	Water
QCFB	531645-006	04/23/25 12:53	Water
QCTB	531645-007	04/23/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 531645 Project No: GW MONITORING Location: Chiquita Canyon Landfill / Quarterly MPars Date Received: 04/23/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 04/24/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 369946; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- 1,2,4-trimethylbenzene was detected between the MDL and the RL in the method blank for batch 369946; this analyte was not detected in samples at or above the RL.
- DW-12 (lab # 531645-001) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 369667 and the MS/MSD of PZ-4 (lab # 531645-005); affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 531645

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 3.1 | 3.1 IR | J 10.0 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-12	4/23/25	847	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-7	"	944	"	"	"	X	X	X	X	X	X	X	X	X
3	DW-18	"	1043	"	"	"	X	X	X	X	X	X	X	X	X
4	DW-21	"	1127	"	"	"	X	X	X	X	X	X	X	X	X
5	PZ-4	"	1250	"	"	"	X	X	X	X	X	X	X	X	X
6	QCFB	"	1253	"	3	"	X								
7	QCTB	—	—	"	2	"	X								
8															
9															
10															

Login 531645

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	4/23/25 1:59
[1] Received By:		Alice Tahmasian	EA/NH	4/23/25 1:59
[2] Relinquished By:		Alice Tahmasian	EA/NH	4/24/25 8:40
[2] Received By:		GEMA O.	EA/NH	4.24.25 8:40
[3] Relinquished By:		GEMA O.	EA/NH	4.24.25 11:17
[3] Received By:		Irene Padilla	EA	4-24-25 11:43

Received 4/24/25 1215 Received NCM EA 4/24/25 12:15

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 4/23/25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/23/25 By (initials) AXT Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 6.3/5.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 4/24/25 WO# 531645 Client: Waste Management

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/23/25 By (initials) DEP Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: 0.0

Cooler Temp (°C) #1: 3.1 / _____ #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?		✓	
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 4/23/25 **By (print)** ABD **(sign)** ABD

Date Labeled 4/24/25 **By (print)** orange EA **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 531645

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531645
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 04/23/25

Sample ID: DW-12 **Lab ID: 531645-001** **Collected: 04/23/25 08:47**
Matrix: Water

531645-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.52**		mg/L	0.20	0.073	1	369667	04/24/25 16:00	04/24/25 20:25	AJL
Chloride	**190**		mg/L	1.0	0.27	1	369667	04/24/25 16:00	04/24/25 20:25	AJL
Bromide	**0.70**		mg/L	0.30	0.060	1	369667	04/24/25 16:00	04/24/25 20:25	AJL
Nitrogen, Nitrate	**3.5**		mg/L	0.10	0.05	1	369667	04/24/25 16:00	04/24/25 20:25	AJL
Sulfate	**300**		mg/L	10	1.8	10	369667	04/24/25 16:00	04/24/25 20:41	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.20**		mg/L	0.050	0.0062	1	369811	04/26/25	04/29/25	KCD
Calcium	**23**		mg/L	0.57	0.57	1	369811	04/26/25	04/27/25	KCD
Iron	ND		mg/L	0.046	0.046	1	369811	04/26/25	04/27/25	KCD
Magnesium	**2.8**		mg/L	0.10	0.025	1	369811	04/26/25	04/27/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	369811	04/26/25	04/27/25	KCD
Potassium	**1.6**		mg/L	0.50	0.40	1	369811	04/26/25	04/27/25	KCD
Sodium	**280**		mg/L	0.50	0.34	1	369811	04/26/25	04/27/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369868	04/28/25	04/28/25	TCN
Freon 12	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromomethane	ND		ug/L	5.0	0.8	1	369868	04/28/25	04/28/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Acetone	ND		ug/L	100	17	1	369868	04/28/25	04/28/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Methylene Chloride	ND		ug/L	5.0	3.5	1	369868	04/28/25	04/28/25	TCN
MTBE	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Butanone	ND		ug/L	100	2.0	1	369868	04/28/25	04/28/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chloroform	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

531645-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Trichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369868	04/28/25	04/28/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Toluene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	369868	04/28/25	04/28/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Styrene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369868	04/28/25	04/28/25	TCN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Xylene (total)	ND		ug/L	5.0		1	369868	04/28/25	04/28/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

531645-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	110%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Toluene-d8	97%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Bromofluorobenzene	100%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.2**		mg/L	1.0	0.68	1	369964	04/29/25	04/30/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**160**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**160**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**960**		mg/L	20		2	369680	04/24/25	04/27/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

Sample ID: DW-7	Lab ID: 531645-002	Collected: 04/23/25 09:44
	Matrix: Water	

531645-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.14**	J	mg/L	0.20	0.073	1	369667	04/24/25 16:00	04/24/25 20:58	AJL
Chloride	**81**		mg/L	1.0	0.27	1	369667	04/24/25 16:00	04/24/25 20:58	AJL
Bromide	**0.17**	J	mg/L	0.30	0.060	1	369667	04/24/25 16:00	04/24/25 20:58	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	369667	04/24/25 16:00	04/24/25 20:58	AJL
Sulfate	**630**		mg/L	10	1.8	10	369667	04/24/25 16:00	04/24/25 21:15	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.17**		mg/L	0.050	0.0055	1	369811	04/26/25	04/29/25	KCD
Calcium	**32**		mg/L	0.57	0.57	1	369811	04/26/25	04/27/25	KCD
Iron	ND		mg/L	0.046	0.046	1	369811	04/26/25	04/27/25	KCD
Magnesium	**1.6**		mg/L	0.10	0.025	1	369811	04/26/25	04/27/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	369811	04/26/25	04/27/25	KCD
Potassium	**1.1**		mg/L	0.50	0.40	1	369811	04/26/25	04/27/25	KCD
Sodium	**320**		mg/L	0.50	0.35	1	369811	04/26/25	04/29/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369868	04/28/25	04/28/25	TCN
Freon 12	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromomethane	ND		ug/L	5.0	0.8	1	369868	04/28/25	04/28/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Acetone	ND		ug/L	100	17	1	369868	04/28/25	04/28/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Methylene Chloride	ND		ug/L	5.0	3.5	1	369868	04/28/25	04/28/25	TCN
MTBE	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Butanone	ND		ug/L	100	2.0	1	369868	04/28/25	04/28/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chloroform	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

531645-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Trichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369868	04/28/25	04/28/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Toluene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	369868	04/28/25	04/28/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Styrene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369868	04/28/25	04/28/25	TCN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Xylene (total)	ND		ug/L	5.0		1	369868	04/28/25	04/28/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
1,2-Dichloroethane-d4	111%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Toluene-d8	96%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Bromofluorobenzene	98%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531645

531645-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	369964	04/29/25	04/29/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**110**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**110**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	369680	04/24/25	04/27/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

Sample ID: DW-18	Lab ID: 531645-003	Collected: 04/23/25 10:43
	Matrix: Water	

531645-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.22**		mg/L	0.20	0.073	1	369667	04/24/25 16:00	04/24/25 21:32	AJL
Chloride	**110**		mg/L	1.0	0.27	1	369667	04/24/25 16:00	04/24/25 21:32	AJL
Bromide	**0.30**		mg/L	0.30	0.060	1	369667	04/24/25 16:00	04/24/25 21:32	AJL
Nitrogen, Nitrate	**2.5**		mg/L	0.10	0.05	1	369667	04/24/25 16:00	04/24/25 21:32	AJL
Sulfate	**330**		mg/L	10	1.8	10	369667	04/24/25 16:00	04/24/25 21:49	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.32**		mg/L	0.050	0.0055	1	369811	04/26/25	04/29/25	KCD
Calcium	**23**		mg/L	0.57	0.57	1	369811	04/26/25	04/27/25	KCD
Iron	ND		mg/L	0.046	0.046	1	369811	04/26/25	04/27/25	KCD
Magnesium	**1.9**		mg/L	0.10	0.025	1	369811	04/26/25	04/27/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	369811	04/26/25	04/27/25	KCD
Potassium	**1.4**		mg/L	0.50	0.40	1	369811	04/26/25	04/27/25	KCD
Sodium	**270**		mg/L	0.50	0.35	1	369811	04/26/25	04/29/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	369946	04/29/25	04/29/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Acetone	ND		ug/L	100	21	1	369946	04/29/25	04/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	369946	04/29/25	04/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	369946	04/29/25	04/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

531645-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	369946	04/29/25	04/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	369946	04/29/25	04/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	369946	04/29/25	04/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	369946	04/29/25	04/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369946	04/29/25	04/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane-d4	85%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Toluene-d8	108%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Bromofluorobenzene	100%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531645

531645-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**3.5**		mg/L	1.0	0.68	1	369964	04/29/25	04/29/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**230**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**230**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**970**		mg/L	20		2	369680	04/24/25	04/27/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531645

Sample ID: DW-21	Lab ID: 531645-004	Collected: 04/23/25 11:27
	Matrix: Water	

531645-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.74**		mg/L	0.20	0.073	1	369667	04/24/25 16:00	04/24/25 22:06	AJL
Chloride	**53**		mg/L	1.0	0.27	1	369667	04/24/25 16:00	04/24/25 22:06	AJL
Bromide	**0.15**	J	mg/L	0.30	0.060	1	369667	04/24/25 16:00	04/24/25 22:06	AJL
Nitrogen, Nitrate	**0.10**		mg/L	0.10	0.05	1	369667	04/24/25 16:00	04/24/25 22:06	AJL
Sulfate	**110**		mg/L	10	1.8	10	369667	04/24/25 16:00	04/24/25 22:23	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.27**		mg/L	0.050	0.0055	1	369811	04/26/25	04/29/25	KCD
Calcium	**3.5**		mg/L	0.57	0.57	1	369811	04/26/25	04/27/25	KCD
Iron	**0.098**		mg/L	0.046	0.046	1	369811	04/26/25	04/27/25	KCD
Magnesium	**0.17**		mg/L	0.10	0.025	1	369811	04/26/25	04/27/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	369811	04/26/25	04/27/25	KCD
Potassium	**0.45**	J	mg/L	0.50	0.40	1	369811	04/26/25	04/27/25	KCD
Sodium	**140**		mg/L	0.50	0.35	1	369811	04/26/25	04/29/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	369946	04/29/25	04/29/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Acetone	ND		ug/L	100	21	1	369946	04/29/25	04/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	369946	04/29/25	04/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	369946	04/29/25	04/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

531645-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	369946	04/29/25	04/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	369946	04/29/25	04/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	369946	04/29/25	04/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	369946	04/29/25	04/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369946	04/29/25	04/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane-d4	87%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Toluene-d8	107%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531645

531645-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	369964	04/29/25	04/29/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**97**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**140**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**470**		mg/L	20		2	369680	04/24/25	04/27/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

Sample ID: PZ-4	Lab ID: 531645-005	Collected: 04/23/25 12:50
	Matrix: Water	

531645-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.51**		mg/L	0.20	0.073	1	369667	04/24/25 16:00	04/24/25 22:39	AJL
Chloride	**57**		mg/L	1.0	0.27	1	369667	04/24/25 16:00	04/24/25 22:39	AJL
Bromide	**0.14**	J	mg/L	0.30	0.060	1	369667	04/24/25 16:00	04/24/25 22:39	AJL
Nitrogen, Nitrate	**1.1**		mg/L	0.10	0.05	1	369667	04/24/25 16:00	04/24/25 22:39	AJL
Sulfate	**130**		mg/L	10	1.8	10	369667	04/24/25 16:00	04/24/25 22:56	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**11**		mg/L	4.0	2.0	1	369882	04/28/25	04/28/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.32**		mg/L	0.050	0.0055	1	369811	04/26/25	04/29/25	KCD
Calcium	**50**		mg/L	0.57	0.57	1	369811	04/26/25	04/27/25	KCD
Iron	ND		mg/L	0.046	0.046	1	369811	04/26/25	04/27/25	KCD
Magnesium	**9.7**		mg/L	0.10	0.025	1	369811	04/26/25	04/27/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	369811	04/26/25	04/27/25	KCD
Potassium	**2.1**		mg/L	0.50	0.40	1	369811	04/26/25	04/27/25	KCD
Sodium	**180**		mg/L	0.50	0.35	1	369811	04/26/25	04/29/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	369946	04/29/25	04/29/25	ZST
Freon 12	**0.4**	J	ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Acetone	ND		ug/L	100	21	1	369946	04/29/25	04/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	369946	04/29/25	04/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	369946	04/29/25	04/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531645

531645-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	369946	04/29/25	04/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	369946	04/29/25	04/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	369946	04/29/25	04/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	369946	04/29/25	04/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369946	04/29/25	04/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane-d4	88%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Toluene-d8	107%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531645

531645-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.9**		mg/L	1.0	0.68	1	369964	04/29/25	04/29/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**380**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Alkalinity, Total as CaCO3	**380**		mg/L	5.0		2.5	369830	04/26/25	04/26/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**730**		mg/L	20		2	369680	04/24/25	04/27/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531645

Sample ID: QCFB	Lab ID: 531645-006	Collected: 04/23/25 12:53
	Matrix: Water	

531645-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369868	04/28/25	04/28/25	TCN
Freon 12	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromomethane	ND		ug/L	5.0	0.8	1	369868	04/28/25	04/28/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Acetone	ND		ug/L	100	17	1	369868	04/28/25	04/28/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Methylene Chloride	**7.1**		ug/L	5.0	3.5	1	369868	04/28/25	04/28/25	TCN
MTBE	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Butanone	ND		ug/L	100	2.0	1	369868	04/28/25	04/28/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chloroform	**0.8**	J	ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Trichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369868	04/28/25	04/28/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Toluene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	369868	04/28/25	04/28/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Styrene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369868	04/28/25	04/28/25	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531645

531645-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Xylene (total)	ND		ug/L	5.0		1	369868	04/28/25	04/28/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
1,2-Dichloroethane-d4	110%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Toluene-d8	98%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Bromofluorobenzene	100%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531645

Sample ID: QCTB	Lab ID: 531645-007	Collected: 04/23/25
	Matrix: Water	

531645-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369868	04/28/25	04/28/25	TCN
Freon 12	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
Chloromethane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromomethane	ND		ug/L	5.0	0.8	1	369868	04/28/25	04/28/25	TCN
Chloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Acetone	ND		ug/L	100	17	1	369868	04/28/25	04/28/25	TCN
Freon 113	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Methylene Chloride	ND		ug/L	5.0	3.5	1	369868	04/28/25	04/28/25	TCN
MTBE	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Butanone	ND		ug/L	100	2.0	1	369868	04/28/25	04/28/25	TCN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromochloromethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Benzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Trichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromomethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369868	04/28/25	04/28/25	TCN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Toluene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Chlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Ethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
m,p-Xylenes	ND		ug/L	10	0.2	1	369868	04/28/25	04/28/25	TCN
o-Xylene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Styrene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
Bromoform	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369868	04/28/25	04/28/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531645

531645-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Propylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
Bromobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	TCN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	TCN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Naphthalene	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	TCN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	TCN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	TCN
Xylene (total)	ND		ug/L	5.0		1	369868	04/28/25	04/28/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
1,2-Dichloroethane-d4	109%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Toluene-d8	98%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN
Bromofluorobenzene	97%		%REC	70-130		1	369868	04/28/25	04/28/25	TCN

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1251661	Batch: 369667
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1251661 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	04/24/25 16:00	04/24/25 17:03
Chloride	ND		mg/L	1.0	0.27	04/24/25 16:00	04/24/25 17:03
Bromide	ND		mg/L	0.30	0.060	04/24/25 16:00	04/24/25 17:03
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	04/24/25 16:00	04/24/25 17:03
Sulfate	ND		mg/L	1.0	0.18	04/24/25 16:00	04/24/25 17:03

Type: Lab Control Sample	Lab ID: QC1251662	Batch: 369667
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1251662 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.010	10.00	mg/L	90%		90-110
Chloride	46.71	50.00	mg/L	93%		90-110
Bromide	14.70	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.370	4.518	mg/L	97%		90-110
Sulfate	24.41	25.00	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC1251663	Batch: 369667
Matrix (Source ID): Water (531663-001)	Method: EPA 300.0	Prep Method: METHOD

QC1251663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.65	0.2736	20.00	mg/L	97%		80-120	1
Chloride	136.8	32.22	100.0	mg/L	105%		80-120	1
Bromide	15.20	0.1924	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	10.07	0.8619	9.036	mg/L	102%		80-120	1
Sulfate	101.7	53.39	50.00	mg/L	97%	E	80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1251664	Batch: 369667
Matrix (Source ID): Water (531663-001)	Method: EPA 300.0	Prep Method: METHOD

QC1251664 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.57	0.2736	20.00	mg/L	96%		80-120	0	20	1
Chloride	136.2	32.22	100.0	mg/L	104%		80-120	0	20	1
Bromide	15.12	0.1924	15.00	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	10.02	0.8619	9.036	mg/L	101%		80-120	0	20	1
Sulfate	101.6	53.39	50.00	mg/L	96%	E	80-120		20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1251665	Batch:	369667
Matrix (Source ID):	Water (531645-005)	Method:	EPA 300.0	Prep Method:	METHOD

QC1251665 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.38	0.5097	20.00	mg/L	94%		80-120	1
Chloride	155.8	57.44	100.0	mg/L	98%		80-120	1
Bromide	14.44	0.1405	15.00	mg/L	95%		80-120	1
Nitrogen, Nitrate	9.896	1.138	9.036	mg/L	97%		80-120	1
Sulfate	165.4	125.2	50.00	mg/L	80%	E	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1251666	Batch:	369667
Matrix (Source ID):	Water (531645-005)	Method:	EPA 300.0	Prep Method:	METHOD

QC1251666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.31	0.5097	20.00	mg/L	94%		80-120	0	20	1
Chloride	155.7	57.44	100.0	mg/L	98%		80-120	0	20	1
Bromide	14.43	0.1405	15.00	mg/L	95%		80-120	0	20	1
Nitrogen, Nitrate	9.896	1.138	9.036	mg/L	97%		80-120	0	20	1
Sulfate	165.3	125.2	50.00	mg/L	80%	E	80-120		20	1

Type:	Lab Control Sample	Lab ID:	QC1252112	Batch:	369796
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1252112 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9015	1.000	mg/L	90%		90-110

Type:	Blank	Lab ID:	QC1252113	Batch:	369796
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1252113 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	04/26/25	04/28/25

Type:	Matrix Spike	Lab ID:	QC1252165	Batch:	369796
Matrix (Source ID):	Water (531645-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252165 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9785	ND	1.000	mg/L	98%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1252166	Batch:	369796
Matrix (Source ID):	Water (531645-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252166 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9414	ND	1.000	mg/L	94%		90-110	4	20	1

Type:	Matrix Spike	Lab ID:	QC1252167	Batch:	369796
Matrix (Source ID):	Water (531645-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252167 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9820	ND	1.000	mg/L	98%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252168	Batch:	369796
Matrix (Source ID):	Water (531645-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9592	ND	1.000	mg/L	96%		90-110	2	20	1

Type:	Blank	Lab ID:	QC1252437	Batch:	369882
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1252437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	04/28/25	04/28/25

Type:	Lab Control Sample	Lab ID:	QC1252438	Batch:	369882
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1252438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	100.0	100.0	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1252439	Batch:	369882
Matrix (Source ID):	Water (531407-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1252439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	128.0	12.00	100.0	mg/L	116%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1252440**	**Batch:**	**369882**
Matrix (Source ID):	**Water (531407-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1252440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	126.0	12.00	100.0	mg/L	114%		75-125	2	20	2

Type:	**Matrix Spike**	**Lab ID:**	**QC1252441**	**Batch:**	**369882**
Matrix (Source ID):	**Water (531446-002)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1252441 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	118.0	16.00	100.0	mg/L	102%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1252442**	**Batch:**	**369882**
Matrix (Source ID):	**Water (531446-002)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1252442 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	126.0	16.00	100.0	mg/L	110%		75-125	7	20	2

Type:	**Blank**	**Lab ID:**	**QC1252180**	**Batch:**	**369811**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1252180 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	04/26/25	04/29/25
Calcium	ND		mg/L	0.57	0.57	04/26/25	04/27/25
Iron	ND		mg/L	0.046	0.046	04/26/25	04/27/25
Magnesium	ND		mg/L	0.10	0.025	04/26/25	04/27/25
Manganese	ND		mg/L	0.010	0.0029	04/26/25	04/27/25
Potassium	ND		mg/L	0.50	0.40	04/26/25	04/27/25
Sodium	ND		mg/L	0.50	0.34	04/26/25	04/27/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252181**	**Batch:**	**369811**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1252181 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3383	0.4000	mg/L	85%		80-120
Calcium	18.30	20.40	mg/L	90%		80-120
Iron	0.3655	0.4000	mg/L	91%		80-120
Magnesium	18.31	20.40	mg/L	90%		80-120
Manganese	0.3609	0.4000	mg/L	90%		80-120
Potassium	20.54	24.00	mg/L	86%		80-120
Sodium	18.31	20.40	mg/L	90%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1252182	Batch:	369811
Matrix (Source ID):	Water (531645-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252182 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.5873	0.2013	0.4000	mg/L	97%		75-125	1
Calcium	41.51	23.23	20.40	mg/L	90%		75-125	1
Iron	0.3637	ND	0.4000	mg/L	91%		75-125	1
Magnesium	21.34	2.839	20.40	mg/L	91%		75-125	1
Manganese	0.3594	ND	0.4000	mg/L	90%		75-125	1
Potassium	23.50	1.626	24.00	mg/L	91%		75-125	1
Sodium	294.3	284.3	20.40	mg/L	49%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252183	Batch:	369811
Matrix (Source ID):	Water (531645-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252183 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.5860	0.2013	0.4000	mg/L	96%		75-125	0	20	1
Calcium	41.08	23.23	20.40	mg/L	88%		75-125	1	20	1
Iron	0.3622	ND	0.4000	mg/L	91%		75-125	0	20	1
Magnesium	21.04	2.839	20.40	mg/L	89%		75-125	1	20	1
Manganese	0.3585	ND	0.4000	mg/L	90%		75-125	0	20	1
Potassium	23.20	1.626	24.00	mg/L	90%		75-125	1	20	1
Sodium	292.6	284.3	20.40	mg/L	41%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1252617	Batch:	369811
Matrix (Source ID):	Water (531645-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252617 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.2220	0.2013	mg/L	J			5
Calcium	24.14	23.23	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	3.011	2.839	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	ND	1.626	mg/L				5
Sodium	281.3	284.3	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1252393	**Batch:** 369868	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1252393 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	04/28/25	04/28/25
Freon 12	ND		ug/L	5.0	0.3	04/28/25	04/28/25
Chloromethane	ND		ug/L	5.0	0.4	04/28/25	04/28/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromomethane	ND		ug/L	5.0	0.8	04/28/25	04/28/25
Chloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Acetone	ND		ug/L	100	17	04/28/25	04/28/25
Freon 113	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Methylene Chloride	ND		ug/L	5.0	3.5	04/28/25	04/28/25
MTBE	ND		ug/L	5.0	0.1	04/28/25	04/28/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
2-Butanone	ND		ug/L	100	2.0	04/28/25	04/28/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Chloroform	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Benzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Trichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromodichloromethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Dibromomethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	04/28/25	04/28/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Toluene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Tetrachloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Chlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
m,p-Xylenes	ND		ug/L	10	0.2	04/28/25	04/28/25
o-Xylene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Styrene	ND		ug/L	5.0	0.08	04/28/25	04/28/25
Bromoform	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Isopropylbenzene	ND		ug/L	5.0	0.09	04/28/25	04/28/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/28/25	04/28/25

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Batch QC

QC1252393 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	04/28/25	04/28/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
n-Butylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	04/28/25	04/28/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Naphthalene	ND		ug/L	5.0	0.3	04/28/25	04/28/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Xylene (total)	ND		ug/L	5.0		04/28/25	04/28/25
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		04/28/25	04/28/25
1,2-Dichloroethane-d4	108%		%REC	70-130		04/28/25	04/28/25
Toluene-d8	97%		%REC	70-130		04/28/25	04/28/25
Bromofluorobenzene	102%		%REC	70-130		04/28/25	04/28/25

Type: Lab Control Sample	**Lab ID:** QC1252394	**Batch:** 369868
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B

QC1252394 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	56.95	50.00	ug/L	114%		70-135
MTBE	54.06	50.00	ug/L	108%		70-130
Benzene	49.46	50.00	ug/L	99%		70-130
Trichloroethene	49.02	50.00	ug/L	98%		70-130
Toluene	47.89	50.00	ug/L	96%		70-130
Chlorobenzene	46.33	50.00	ug/L	93%		70-130
Surrogates						
Dibromofluoromethane	49.93	50.00	ug/L	100%		70-130
1,2-Dichloroethane-d4	51.92	50.00	ug/L	104%		70-130
Toluene-d8	49.76	50.00	ug/L	100%		70-130
Bromofluorobenzene	51.85	50.00	ug/L	104%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252395	Batch:	369868
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252395 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.50	50.00	ug/L	103%		70-135	10	30
MTBE	56.26	50.00	ug/L	113%		70-130	4	30
Benzene	49.07	50.00	ug/L	98%		70-130	1	30
Trichloroethene	48.35	50.00	ug/L	97%		70-130	1	30
Toluene	47.25	50.00	ug/L	95%		70-130	1	30
Chlorobenzene	45.48	50.00	ug/L	91%		70-130	2	30
Surrogates								
Dibromofluoromethane	49.30	50.00	ug/L	99%		70-130		
1,2-Dichloroethane-d4	52.17	50.00	ug/L	104%		70-130		
Toluene-d8	49.52	50.00	ug/L	99%		70-130		
Bromofluorobenzene	51.69	50.00	ug/L	103%		70-130		

Type:	Matrix Spike	Lab ID:	QC1252443	Batch:	369868
Matrix (Source ID):	Water (531645-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252443 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	16.58	ND	20.00	ug/L	83%		70-130	1
MTBE	16.76	ND	20.00	ug/L	84%		75-130	1
Benzene	16.14	ND	20.00	ug/L	81%		70-130	1
Trichloroethene	17.33	ND	20.00	ug/L	87%		63-130	1
Toluene	16.46	ND	20.00	ug/L	82%		70-130	1
Chlorobenzene	16.17	ND	20.00	ug/L	81%		70-130	1
Surrogates								
Dibromofluoromethane	44.94		50.00	ug/L	90%		70-130	1
1,2-Dichloroethane-d4	48.75		50.00	ug/L	97%		70-130	1
Toluene-d8	50.89		50.00	ug/L	102%		70-130	1
Bromofluorobenzene	50.68		50.00	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1252444	Batch:	369868
Matrix (Source ID):	Water (531645-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252444 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	16.47	ND	20.00	ug/L	82%		70-130	1	30	1
MTBE	17.28	ND	20.00	ug/L	86%		75-130	3	30	1
Benzene	17.14	ND	20.00	ug/L	86%		70-130	6	30	1
Trichloroethene	17.92	ND	20.00	ug/L	90%		63-130	3	30	1
Toluene	16.46	ND	20.00	ug/L	82%		70-130	0	30	1
Chlorobenzene	16.39	ND	20.00	ug/L	82%		70-130	1	30	1
Surrogates										
Dibromofluoromethane	48.35		50.00	ug/L	97%		70-130			1
1,2-Dichloroethane-d4	55.51		50.00	ug/L	111%		70-130			1
Toluene-d8	48.77		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	51.58		50.00	ug/L	103%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1252682	Batch:	369946
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252682 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	40.10	50.00	ug/L	80%		70-135
MTBE	43.98	50.00	ug/L	88%		70-130
Benzene	43.70	50.00	ug/L	87%		70-130
Trichloroethene	52.17	50.00	ug/L	104%		70-130
Toluene	49.44	50.00	ug/L	99%		70-130
Chlorobenzene	52.25	50.00	ug/L	104%		70-130
Surrogates						
Dibromofluoromethane	54.76	50.00	ug/L	110%		70-130
1,2-Dichloroethane-d4	42.68	50.00	ug/L	85%		70-130
Toluene-d8	54.03	50.00	ug/L	108%		70-130
Bromofluorobenzene	48.75	50.00	ug/L	97%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252683	Batch:	369946
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	40.58	50.00	ug/L	81%		70-135	1	30
MTBE	44.81	50.00	ug/L	90%		70-130	2	30
Benzene	43.27	50.00	ug/L	87%		70-130	1	30
Trichloroethene	52.18	50.00	ug/L	104%		70-130	0	30
Toluene	48.74	50.00	ug/L	97%		70-130	1	30
Chlorobenzene	51.43	50.00	ug/L	103%		70-130	2	30
Surrogates								
Dibromofluoromethane	55.05	50.00	ug/L	110%		70-130		
1,2-Dichloroethane-d4	42.38	50.00	ug/L	85%		70-130		
Toluene-d8	52.93	50.00	ug/L	106%		70-130		
Bromofluorobenzene	47.57	50.00	ug/L	95%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1252687	**Batch:** 369946	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1252687 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	04/29/25	04/29/25
Freon 12	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Chloromethane	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromomethane	ND		ug/L	5.0	0.4	04/29/25	04/29/25
Chloroethane	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Acetone	ND		ug/L	100	21	04/29/25	04/29/25
Freon 113	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Methylene Chloride	ND		ug/L	5.0	2.4	04/29/25	04/29/25
MTBE	ND		ug/L	5.0	0.09	04/29/25	04/29/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	04/29/25	04/29/25
2-Butanone	ND		ug/L	100	1.7	04/29/25	04/29/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Chloroform	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Benzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Trichloroethene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromodichloromethane	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Dibromomethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	04/29/25	04/29/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	04/29/25	04/29/25
Toluene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Tetrachloroethene	ND		ug/L	5.0	0.09	04/29/25	04/29/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	04/29/25	04/29/25
Chlorobenzene	ND		ug/L	5.0	0.09	04/29/25	04/29/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
m,p-Xylenes	ND		ug/L	10	0.2	04/29/25	04/29/25
o-Xylene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Styrene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromoform	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Isopropylbenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/29/25	04/29/25

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Batch QC

QC1252687 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Bromobenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,2,4-Trimethylbenzene	0.2	J	ug/L	5.0	0.2	04/29/25	04/29/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
n-Butylbenzene	ND		ug/L	5.0	0.4	04/29/25	04/29/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	04/29/25	04/29/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	04/29/25	04/29/25
Naphthalene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	04/29/25	04/29/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Xylene (total)	ND		ug/L	5.0		04/29/25	04/29/25
Surrogates				**Limits**			
Dibromofluoromethane	110%		%REC	70-130		04/29/25	04/29/25
1,2-Dichloroethane-d4	85%		%REC	70-130		04/29/25	04/29/25
Toluene-d8	109%		%REC	70-130		04/29/25	04/29/25
Bromofluorobenzene	100%		%REC	70-130		04/29/25	04/29/25

Type: Matrix Spike **Lab ID:** QC1252764 **Batch:** 369946
Matrix (Source ID): Water (531477-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1252764 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	106.3	ND	200.0	ug/L	53%	*	70-130	10
MTBE	112.0	ND	200.0	ug/L	56%	*	75-130	10
Benzene	117.9	ND	200.0	ug/L	59%	*	70-130	10
Trichloroethene	153.3	ND	200.0	ug/L	77%		63-130	10
Toluene	140.0	ND	200.0	ug/L	70%		70-130	10
Chlorobenzene	171.2	32.82	200.0	ug/L	69%	*	70-130	10
Surrogates								
Dibromofluoromethane	536.6		500.0	ug/L	107%		70-130	10
1,2-Dichloroethane-d4	415.9		500.0	ug/L	83%		70-130	10
Toluene-d8	540.1		500.0	ug/L	108%		70-130	10
Bromofluorobenzene	488.8		500.0	ug/L	98%		70-130	10

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1252765	Batch:	369946
Matrix (Source ID):	Water (531477-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	109.5	ND	200.0	ug/L	55%	*	70-130	3	30	10
MTBE	117.4	ND	200.0	ug/L	59%	*	75-130	5	30	10
Benzene	123.4	ND	200.0	ug/L	62%	*	70-130	5	30	10
Trichloroethene	162.7	ND	200.0	ug/L	81%		63-130	6	30	10
Toluene	148.3	ND	200.0	ug/L	74%		70-130	6	30	10
Chlorobenzene	183.6	32.82	200.0	ug/L	75%		70-130	7	30	10
Surrogates										
Dibromofluoromethane	541.3		500.0	ug/L	108%		70-130			10
1,2-Dichloroethane-d4	405.3		500.0	ug/L	81%		70-130			10
Toluene-d8	540.8		500.0	ug/L	108%		70-130			10
Bromofluorobenzene	489.3		500.0	ug/L	98%		70-130			10

Type:	Blank	Lab ID:	QC1252036	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252036 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	04/25/25	04/26/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		04/25/25	04/26/25

Type:	Lab Control Sample	Lab ID:	QC1252038	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252038 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.756	10.00	ug/L	88%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.867	10.00	ug/L	99%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252039	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.890	10.00	ug/L	89%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.08	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1252419	Batch:	369874
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1252419 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		04/28/25	04/28/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1252420 **Batch:** 369874
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1252420 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1252421 **Batch:** 369874
Matrix (Source ID): Water (531562-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1252421 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1252422 **Batch:** 369874
Matrix (Source ID): Water (531562-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1252422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1252745 **Batch:** 369964
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252745 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	04/29/25	04/29/25

Type: Lab Control Sample **Lab ID:** QC1252746 **Batch:** 369964
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252746 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.13	25.00	mg/L	97%		85-115

Type: Matrix Spike **Lab ID:** QC1252747 **Batch:** 369964
Matrix (Source ID): Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252747 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	52.84	24.94	25.00	mg/L	112%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1252748 **Batch:** 369964
Matrix (Source ID): Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252748 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	52.08	24.94	25.00	mg/L	109%		75-125	1	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1252245	Batch: 369830
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1252245 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		04/26/25	04/26/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		04/26/25	04/26/25

Type: Lab Control Sample	Lab ID: QC1252246	Batch: 369830
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1252246 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	984.0	1000	mg/L	98%		90-110

Type: Sample Duplicate	Lab ID: QC1252499	Batch: 369830
Matrix (Source ID): Drinking Water (531630-001)	Method: SM2320B	Prep Method: METHOD

QC1252499 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	71.14	72.49	mg/L		2	20	1
Alkalinity, Total as CaCO3	80.81	82.16	mg/L		2	20	1

Type: Blank	Lab ID: QC1251699	Batch: 369680
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1251699 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/24/25	04/27/25

Type: Lab Control Sample	Lab ID: QC1251700	Batch: 369680
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1251700 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,004	1000	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1251701	Batch: 369680
Matrix (Source ID): Water (531729-001)	Method: SM2540C	Prep Method: METHOD

QC1251701 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	18,180	18460	mg/L		2	5	20

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 531645

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2504K66

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-531645

Project Location:
Project Received: 04/25/2025

Analytical Report reviewed & approved for release on 04/29/2025 by:

Jennifer Lagerbom
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504K66

Project: EO-531645

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504K66

Project: EO-531645

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504K66
Date Received:	04/25/2025 9:51	**Extraction Method:**	RSK175
Date Prepared:	04/28/2025	**Analytical Method:**	RSK175
Project:	EO-531645	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-12	2504K66-001A	Water	04/23/2025 08:47	GC26 0428250914.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1500**	50	50	1	04/28/2025 14:19

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-7	2504K66-002A	Water	04/23/2025 09:44	GC26 0428250917.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**930**	50	50	1	04/28/2025 15:16

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-18	2504K66-003A	Water	04/23/2025 10:43	GC26 0428250920.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3500**	200	200	4	04/28/2025 16:00

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504K66
Date Received:	04/25/2025 9:51	**Extraction Method:**	RSK175
Date Prepared:	04/28/2025	**Analytical Method:**	RSK175
Project:	EO-531645	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-21	2504K66-004A	Water	04/23/2025 11:27	GC26 0428250922.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**540**	50	50	1	04/28/2025 16:36

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2504K66-005A	Water	04/23/2025 12:50	GC26 0428250925.D	316352

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**12,000**	500	500	10	04/28/2025 17:17

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504K66
Date Prepared:	04/28/2025	**BatchID:**	316352
Date Analyzed:	04/28/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-531645	**Sample ID:**	MB/LCS/LCSD-316352

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	150	187.2	75	78	70-130	5.00	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2504K66 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531645

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 3 days;

Date Received: **04/25/2025**
Date Logged: **04/25/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504K66-001	DW-12	Water	4/23/2025 08:47	☐	A	A										
2504K66-002	DW-7	Water	4/23/2025 09:44	☐	A	A										
2504K66-003	DW-18	Water	4/23/2025 10:43	☐	A	A										
2504K66-004	DW-21	Water	4/23/2025 11:27	☐	A	A										
2504K66-005	PZ-4	Water	4/23/2025 12:50	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by:

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-531645 **Work Order:** 2504K66
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/25/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-12	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/23/2025 8:47	3 days	4/30/2025	None	☐	☐
002A	DW-7	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/23/2025 9:44	3 days	4/30/2025	None	☐	☐
003A	DW-18	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/23/2025 10:43	3 days	4/30/2025	None	☐	☐
004A	DW-21	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/23/2025 11:27	3 days	4/30/2025	None	☐	☐
005A	PZ-4	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/23/2025 12:50	3 days	4/30/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2504K646

HOLD TIME RUSH

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-531645
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-12	23-APR-2025 08:47	531645-001	2	Water	RSK-175 CO2	
DW-7	23-APR-2025 09:44	531645-002	2	Water	RSK-175 CO2	
DW-18	23-APR-2025 10:43	531645-003	2	Water	RSK-175 CO2	
DW-21	23-APR-2025 11:27	531645-004	2	Water	RSK-175 CO2	
PZ-4	23-APR-2025 12:50	531645-005	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Quintana EA-ORA	
	Date: 4/24/25 1610	Date: 4/25/25 0951
	Date:	Date:
	Date:	Date:

0.8 SCWA IR33

1 of 1

650:5629320 44

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Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531645

Date and Time Received: 4/25/2025 09:51
Date Logged: 4/25/2025
Received by: Agustina Venegas
Logged by:

WorkOrder №: 2504K66 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.8°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531741
Report Level : II
Report Date : 05/12/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	531741 GW MONITORING Chiquita Canyon Landfill - Quarterly MPars 04/24/25

Sample ID	Lab ID	Collected	Matrix
DW-17	531741-001	04/24/25 08:57	Water
DW-14	531741-002	04/24/25 10:27	Water
DW-30	531741-003	04/24/25 11:34	Water
DW-15	531741-004	04/24/25 12:23	Water
QCFB	531741-005	04/24/25 12:25	Water
QCTB	531741-006	04/24/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 531741 Project No: GW MONITORING Location: Chiquita Canyon Landfill - Quarterly MPars Date Received: 04/24/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 04/25/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 369946; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- 1,2,4-trimethylbenzene was detected between the MDL and the RL in the method blank for batch 369946; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):

- Magnesium was detected between the MDL and the RL in the method blank for batch 369871; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Login 531741

Chain of Custody Record

Lab No:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

PROJECT INFORMATION

Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-17	4/24/25	857	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-14	↓	1027	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-30		1134				X	X	X	X	X	X	X	X	X
4	DW-15		1223				X	X	X	X	X	X	X	X	X
5	QCFB	↓	1225				X								
6	QCTB	—	—	↓	↓	↓	X								
7															
8															
9															
10															

Analysis Request

Test Instructions / Comments

IR11 → (+0.1)

4.9 - 15.0 4.7

4.6 - 4.8 HXD

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	4/24/25 1:38
[1] Received By:		Alice Tahmasian	EA/NH	4/24/25 1:38
[2] Relinquished By:		Alice Tahmasian	EA/NH	4/24/25 0830 PM
[2] Received By:		Hrag B.	EA-NH	4/25/25 0830
[3] Relinquished By:		Hrag B.	EA-NH	4/9/25 1055
[3] Received By:				4-25-25 1150

Wilco RA 4-25-25 1235

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 4/24/25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/24/25 By (initials) AXT Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: +0.7°C

Cooler Temp (°C) #1: 7.2/6.5° #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 04.24.25 **By (print)** ABD **(sign)** _____

Date Labeled 04.25.25 **By (print)** Orange EA **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 4/25/25 WO# 531711 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 4/25/25 By (initials)_____ Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 11 CF: +0.1
Cooler Temp (°C) #1: 4.9 / 5.0 #2: 4.6 / 4.7 #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?		✓	
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?			
7) Does the container count match the CoC?		✓	
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?		✓	
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)
4.1/4.7: Container count incorrect for samples -005, -006

☐ **No additional discrepancies**

Date Logged 4/24/25 **By (print)** ASP **(sign)** ASP
Date Labeled 4/25/25 **By (print)** Orouge EA **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 531741

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531741
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 04/24/25

Sample ID: DW-17 **Lab ID: 531741-001** **Collected: 04/24/25 08:57**
Matrix: Water

531741-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.19**	J	mg/L	0.20	0.034	1	369758	04/25/25 15:16	04/25/25 17:23	AJL
Chloride	**150**		mg/L	1.0	0.27	1	369758	04/25/25 15:16	04/25/25 17:23	AJL
Bromide	**0.34**		mg/L	0.30	0.060	1	369758	04/25/25 15:16	04/25/25 17:23	AJL
Nitrogen, Nitrate	**1.0**		mg/L	0.10	0.05	1	369758	04/25/25 15:16	04/25/25 17:23	AJL
Sulfate	**180**		mg/L	10	1.8	10	369758	04/25/25 15:16	04/25/25 17:44	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.089**		mg/L	0.050	0.0055	1	369871	04/28/25	04/28/25	CAP
Calcium	**4.8**		mg/L	0.57	0.57	1	369871	04/28/25	04/28/25	CAP
Iron	ND		mg/L	0.041	0.041	1	369871	04/28/25	04/28/25	CAP
Magnesium	**0.13**		mg/L	0.10	0.025	1	370088	04/30/25	04/30/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	369871	04/28/25	04/28/25	CAP
Potassium	**0.70**		mg/L	0.50	0.40	1	369871	04/28/25	04/28/25	CAP
Sodium	**220**		mg/L	0.50	0.35	1	369871	04/28/25	04/28/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	369946	04/29/25	04/29/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Acetone	ND		ug/L	100	21	1	369946	04/29/25	04/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	369946	04/29/25	04/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	369946	04/29/25	04/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

531741-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	369946	04/29/25	04/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	369946	04/29/25	04/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	369946	04/29/25	04/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	369946	04/29/25	04/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369946	04/29/25	04/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

531741-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	89%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Toluene-d8	106%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369957	04/29/25	04/29/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.5**		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**100**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	**150**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**720**		mg/L	20		2	369929	04/28/25	04/29/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

Sample ID: DW-14	Lab ID: 531741-002	Collected: 04/24/25 10:27
	Matrix: Water	

531741-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.39**		mg/L	0.20	0.034	1	369758	04/25/25 15:16	04/25/25 18:04	AJL
Chloride	**96**		mg/L	1.0	0.27	1	369758	04/25/25 15:16	04/25/25 18:04	AJL
Bromide	**0.13**	J	mg/L	0.30	0.060	1	369758	04/25/25 15:16	04/25/25 18:04	AJL
Nitrogen, Nitrate	**0.32**		mg/L	0.10	0.05	1	369758	04/25/25 15:16	04/25/25 18:04	AJL
Sulfate	**30**		mg/L	1.0	0.18	1	369758	04/25/25 15:16	04/25/25 18:04	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.12**		mg/L	0.050	0.0055	1	369871	04/28/25	04/28/25	CAP
Calcium	**2.6**		mg/L	0.57	0.57	1	369871	04/28/25	04/28/25	CAP
Iron	**0.29**		mg/L	0.046	0.046	1	369871	04/28/25	04/28/25	CAP
Magnesium	**0.20**		mg/L	0.10	0.025	1	370088	04/30/25	04/30/25	SBW
Manganese	**0.0030**	J	mg/L	0.010	0.0029	1	369871	04/28/25	04/28/25	CAP
Potassium	**0.57**		mg/L	0.50	0.40	1	369871	04/28/25	04/28/25	CAP
Sodium	**140**		mg/L	0.50	0.35	1	369871	04/28/25	04/28/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	369946	04/29/25	04/29/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Acetone	ND		ug/L	100	21	1	369946	04/29/25	04/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	369946	04/29/25	04/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	369946	04/29/25	04/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

531741-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	369946	04/29/25	04/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	369946	04/29/25	04/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	369946	04/29/25	04/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	369946	04/29/25	04/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369946	04/29/25	04/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane-d4	87%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Toluene-d8	106%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531741

531741-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369957	04/29/25	04/29/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**160**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**400**		mg/L	20		2	369929	04/28/25	04/29/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

Sample ID: DW-30	Lab ID: 531741-003	Collected: 04/24/25 11:34
	Matrix: Water	

531741-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.88**		mg/L	0.20	0.034	1	369758	04/25/25 15:16	04/25/25 19:47	AJL
Chloride	**59**		mg/L	1.0	0.27	1	369758	04/25/25 15:16	04/25/25 19:47	AJL
Bromide	**0.14**	J	mg/L	0.30	0.060	1	369758	04/25/25 15:16	04/25/25 19:47	AJL
Nitrogen, Nitrate	**0.23**		mg/L	0.10	0.05	1	369758	04/25/25 15:16	04/25/25 19:47	AJL
Sulfate	**310**		mg/L	10	1.8	10	369758	04/25/25 15:16	04/25/25 20:48	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**4.0**		mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	369871	04/28/25	04/28/25	CAP
Calcium	**37**		mg/L	0.57	0.57	1	369871	04/28/25	04/28/25	CAP
Iron	**0.24**		mg/L	0.046	0.046	1	369871	04/28/25	04/28/25	CAP
Magnesium	**5.8**		mg/L	0.10	0.025	1	369871	04/28/25	04/28/25	CAP
Manganese	**0.038**		mg/L	0.010	0.0029	1	369871	04/28/25	04/28/25	CAP
Potassium	**1.6**		mg/L	0.50	0.40	1	369871	04/28/25	04/28/25	CAP
Sodium	**190**		mg/L	0.50	0.35	1	369871	04/28/25	04/28/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	369946	04/29/25	04/29/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Acetone	ND		ug/L	100	21	1	369946	04/29/25	04/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	369946	04/29/25	04/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	369946	04/29/25	04/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

531741-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	369946	04/29/25	04/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	369946	04/29/25	04/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Tetrachloroethene	**0.4**	J	ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	369946	04/29/25	04/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	369946	04/29/25	04/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369946	04/29/25	04/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane-d4	87%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Toluene-d8	108%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531741

531741-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369957	04/29/25	04/29/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**190**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**810**		mg/L	20		2	369929	04/28/25	04/29/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531741

Sample ID: DW-15	Lab ID: 531741-004	Collected: 04/24/25 12:23
	Matrix: Water	

531741-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.090**	J	mg/L	0.20	0.034	1	369758	04/25/25 15:16	04/25/25 21:09	AJL
Chloride	**75**		mg/L	1.0	0.27	1	369758	04/25/25 15:16	04/25/25 21:09	AJL
Bromide	**0.16**	J	mg/L	0.30	0.060	1	369758	04/25/25 15:16	04/25/25 21:09	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	369758	04/25/25 15:16	04/25/25 21:09	AJL
Sulfate	**1,500**		mg/L	20	3.7	20	369758	04/25/25 15:16	04/25/25 21:29	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.15**		mg/L	0.10	0.050	1	369796	04/26/25	04/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**3.0**	J	mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.23**		mg/L	0.050	0.0055	1	369871	04/28/25	04/28/25	CAP
Calcium	**240**		mg/L	0.57	0.57	1	369871	04/28/25	04/28/25	CAP
Iron	**0.93**		mg/L	0.046	0.046	1	369871	04/28/25	04/28/25	CAP
Magnesium	**33**		mg/L	0.10	0.025	1	369871	04/28/25	04/28/25	CAP
Manganese	**0.62**		mg/L	0.010	0.0029	1	369871	04/28/25	04/28/25	CAP
Potassium	**2.7**		mg/L	0.50	0.40	1	369871	04/28/25	04/28/25	CAP
Sodium	**400**		mg/L	0.50	0.35	1	369871	04/28/25	04/28/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	369946	04/29/25	04/29/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Acetone	ND		ug/L	100	21	1	369946	04/29/25	04/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	369946	04/29/25	04/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	369946	04/29/25	04/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

531741-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	369946	04/29/25	04/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	369946	04/29/25	04/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	369946	04/29/25	04/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	369946	04/29/25	04/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	369946	04/29/25	04/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	369946	04/29/25	04/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,4-Dichlorobenzene	**0.2**	J	ug/L	5.0	0.2	1	369946	04/29/25	04/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369946	04/29/25	04/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	369946	04/29/25	04/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	369946	04/29/25	04/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369946	04/29/25	04/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
1,2-Dichloroethane-d4	88%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Toluene-d8	106%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	369946	04/29/25	04/29/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531741

531741-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	369774	04/25/25	04/26/25	HQN
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	369774	04/25/25	04/26/25	HQN
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369957	04/29/25	04/29/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**3.9**		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**210**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	**210**		mg/L	5.0		2.5	369916	04/28/25	04/28/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,400**		mg/L	20		2	369929	04/28/25	04/29/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531741

Sample ID: QCFB	Lab ID: 531741-005	Collected: 04/24/25 12:25
	Matrix: Water	

531741-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369868	04/28/25	04/28/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Bromomethane	ND		ug/L	5.0	0.8	1	369868	04/28/25	04/28/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Acetone	ND		ug/L	100	17	1	369868	04/28/25	04/28/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Methylene Chloride	**5.9**		ug/L	5.0	3.5	1	369868	04/28/25	04/28/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
2-Butanone	ND		ug/L	100	2.0	1	369868	04/28/25	04/28/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Chloroform	**0.7**	J	ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369868	04/28/25	04/28/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Toluene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	369868	04/28/25	04/28/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Styrene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369868	04/28/25	04/28/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531741

531741-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	EJB
Xylene (total)	ND		ug/L	5.0		1	369868	04/28/25	04/28/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	369868	04/28/25	04/28/25	EJB
1,2-Dichloroethane-d4	110%		%REC	70-130		1	369868	04/28/25	04/28/25	EJB
Toluene-d8	98%		%REC	70-130		1	369868	04/28/25	04/28/25	EJB
Bromofluorobenzene	99%		%REC	70-130		1	369868	04/28/25	04/28/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

Sample ID: QCTB	Lab ID: 531741-006	Collected: 04/24/25
	Matrix: Water	

531741-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	369868	04/28/25	04/28/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	369868	04/28/25	04/28/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Acetone	ND		ug/L	100	17	1	369868	04/28/25	04/28/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	369868	04/28/25	04/28/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
2-Butanone	ND		ug/L	100	2.0	1	369868	04/28/25	04/28/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Benzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	369868	04/28/25	04/28/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	369868	04/28/25	04/28/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369868	04/28/25	04/28/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531741

531741-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	369868	04/28/25	04/28/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	369868	04/28/25	04/28/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	369868	04/28/25	04/28/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	369868	04/28/25	04/28/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	369868	04/28/25	04/28/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	369868	04/28/25	04/28/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	369868	04/28/25	04/28/25	LYZ
1,2-Dichloroethane-d4	109%		%REC	70-130		1	369868	04/28/25	04/28/25	LYZ
Toluene-d8	98%		%REC	70-130		1	369868	04/28/25	04/28/25	LYZ
Bromofluorobenzene	100%		%REC	70-130		1	369868	04/28/25	04/28/25	LYZ

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1251964**	**Batch:**	**369758**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1251964 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	04/25/25 15:16	04/25/25 16:42
Chloride	ND		mg/L	1.0	0.27	04/25/25 15:16	04/25/25 16:42
Bromide	ND		mg/L	0.30	0.060	04/25/25 15:16	04/25/25 16:42
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	04/25/25 15:16	04/25/25 16:42
Sulfate	ND		mg/L	1.0	0.18	04/25/25 15:16	04/25/25 16:42

Type:	**Lab Control Sample**	**Lab ID:**	**QC1251965**	**Batch:**	**369758**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1251965 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.333	10.00	mg/L	93%		90-110
Chloride	47.73	50.00	mg/L	95%		90-110
Bromide	15.05	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.572	4.518	mg/L	101%		90-110
Sulfate	24.75	25.00	mg/L	99%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1251967**	**Batch:**	**369758**
Matrix (Source ID):	**Water (531761-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1251967 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.55	0.3217	20.00	mg/L	101%		80-120	1
Chloride	156.9	57.00	100.0	mg/L	100%		80-120	1
Bromide	15.36	0.2919	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.207	ND	9.036	mg/L	102%		80-120	1
Sulfate	258.7	212.8	50.00	mg/L	92%	E,NM	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1251968**	**Batch:**	**369758**
Matrix (Source ID):	**Water (531761-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1251968 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.93	0.3217	20.00	mg/L	103%		80-120	2	20	1
Chloride	158.5	57.00	100.0	mg/L	102%		80-120	1	20	1
Bromide	15.57	0.2919	15.00	mg/L	102%		80-120	1	20	1
Nitrogen, Nitrate	9.337	ND	9.036	mg/L	103%		80-120	1	20	1
Sulfate	259.7	212.8	50.00	mg/L	94%	E,NM	80-120		20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1252000	Batch:	369758
Matrix (Source ID):	Water (531725-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1252000 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.25	0.09015	20.00	mg/L	101%		80-120	1
Chloride	114.2	9.169	100.0	mg/L	105%		80-120	1
Bromide	15.40	ND	15.00	mg/L	103%		80-120	1
Nitrogen, Nitrate	10.83	1.474	9.036	mg/L	103%		80-120	1
Sulfate	62.42	11.21	50.00	mg/L	102%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252001	Batch:	369758
Matrix (Source ID):	Water (531725-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1252001 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.80	0.09015	20.00	mg/L	99%		80-120	2	20	1
Chloride	111.9	9.169	100.0	mg/L	103%		80-120	2	20	1
Bromide	15.09	ND	15.00	mg/L	101%		80-120	2	20	1
Nitrogen, Nitrate	10.61	1.474	9.036	mg/L	101%		80-120	2	20	1
Sulfate	60.90	11.21	50.00	mg/L	99%		80-120	2	20	1

Type:	Lab Control Sample	Lab ID:	QC1252112	Batch:	369796
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1252112 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9015	1.000	mg/L	90%		90-110

Type:	Blank	Lab ID:	QC1252113	Batch:	369796
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1252113 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	04/26/25	04/28/25

Type:	Matrix Spike	Lab ID:	QC1252165	Batch:	369796
Matrix (Source ID):	Water (531645-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252165 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9785	ND	1.000	mg/L	98%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1252166	Batch:	369796
Matrix (Source ID):	Water (531645-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252166 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9414	ND	1.000	mg/L	94%		90-110	4	20	1

Type:	Matrix Spike	Lab ID:	QC1252167	Batch:	369796
Matrix (Source ID):	Water (531645-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252167 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9820	ND	1.000	mg/L	98%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252168	Batch:	369796
Matrix (Source ID):	Water (531645-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1252168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9592	ND	1.000	mg/L	96%		90-110	2	20	1

Type:	Blank	Lab ID:	QC1253686	Batch:	370263
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1253686 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/01/25	05/01/25

Type:	Lab Control Sample	Lab ID:	QC1253687	Batch:	370263
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1253687 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	99.00	100.0	mg/L	99%		90-110

Type:	Matrix Spike	Lab ID:	QC1253688	Batch:	370263
Matrix (Source ID):	Water (531741-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1253688 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	94.00	ND	100.0	mg/L	94%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1253689	Batch:	370263
Matrix (Source ID):	Water (531741-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1253689 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	94.00	ND	100.0	mg/L	94%		75-125	0	20	2

Type:	Matrix Spike	Lab ID:	QC1253690	Batch:	370263
Matrix (Source ID):	Water (531889-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1253690 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	128.0	29.00	100.0	mg/L	99%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1253691	Batch:	370263
Matrix (Source ID):	Water (531889-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1253691 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	128.0	29.00	100.0	mg/L	99%		75-125	0	20	2

Type:	Blank	Lab ID:	QC1252407	Batch:	369871
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252407 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	04/28/25	04/28/25
Calcium	ND		mg/L	0.57	0.57	04/28/25	04/28/25
Iron	ND		mg/L	0.041	0.041	04/28/25	04/28/25
Magnesium	0.038	J	mg/L	0.10	0.025	04/28/25	04/28/25
Manganese	ND		mg/L	0.010	0.0029	04/28/25	04/28/25
Potassium	ND		mg/L	0.50	0.40	04/28/25	04/28/25
Sodium	ND		mg/L	0.50	0.35	04/28/25	04/28/25

Type:	Lab Control Sample	Lab ID:	QC1252408	Batch:	369871
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252408 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3689	0.4000	mg/L	92%		80-120
Calcium	19.11	20.40	mg/L	94%		80-120
Iron	0.3680	0.4000	mg/L	92%		80-120
Magnesium	19.14	20.40	mg/L	94%		80-120
Manganese	0.3736	0.4000	mg/L	93%		80-120
Potassium	21.54	24.00	mg/L	90%		80-120
Sodium	18.53	20.40	mg/L	91%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1252409	Batch:	369871
Matrix (Source ID):	Water (531722-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252409 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.378	1.012	0.4000	mg/L	92%		75-125	1
Calcium	87.64	69.88	20.40	mg/L	87%		75-125	1
Iron	2.968	2.643	0.4000	mg/L	81%	NM	75-125	1
Magnesium	57.53	39.29	20.40	mg/L	89%		75-125	1
Manganese	0.8453	0.4825	0.4000	mg/L	91%		75-125	1
Potassium	26.33	3.544	24.00	mg/L	95%		75-125	1
Sodium	487.5	472.8	20.40	mg/L	72%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252410	Batch:	369871
Matrix (Source ID):	Water (531722-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252410 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.380	1.012	0.4000	mg/L	92%		75-125	0	20	1
Calcium	87.47	69.88	20.40	mg/L	86%		75-125	0	20	1
Iron	2.969	2.643	0.4000	mg/L	82%	NM	75-125	0	20	1
Magnesium	57.25	39.29	20.40	mg/L	88%		75-125	0	20	1
Manganese	0.8426	0.4825	0.4000	mg/L	90%		75-125	0	20	1
Potassium	26.15	3.544	24.00	mg/L	94%		75-125	1	20	1
Sodium	487.1	472.8	20.40	mg/L	70%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1252556	Batch:	369871
Matrix (Source ID):	Water (531722-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252556 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	1.047	1.012	mg/L				5
Calcium	71.50	69.88	mg/L				5
Iron	2.743	2.643	mg/L				5
Magnesium	40.02	39.29	mg/L				5
Manganese	0.5008	0.4825	mg/L				5
Potassium	3.121	3.544	mg/L				5
Sodium	491.5	472.8	mg/L				5

Type:	Blank	Lab ID:	QC1253129	Batch:	370088
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1253129 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Magnesium	ND		mg/L	0.10	0.025	04/30/25	04/30/25

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1253130**	**Batch:**	**370088**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1253130 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Magnesium	18.52	20.40	mg/L	91%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1253131**	**Batch:**	**370088**
Matrix (Source ID):	**Water (531741-002)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1253131 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Magnesium	18.59	0.1969	20.40	mg/L	90%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1253132**	**Batch:**	**370088**
Matrix (Source ID):	**Water (531741-002)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1253132 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Magnesium	18.74	0.1969	20.40	mg/L	91%		75-125	1	20	1

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1252393**	**Batch:**	**369868**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1252393 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	04/28/25	04/28/25
Freon 12	ND		ug/L	5.0	0.3	04/28/25	04/28/25
Chloromethane	ND		ug/L	5.0	0.4	04/28/25	04/28/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromomethane	ND		ug/L	5.0	0.8	04/28/25	04/28/25
Chloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Acetone	ND		ug/L	100	17	04/28/25	04/28/25
Freon 113	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Methylene Chloride	ND		ug/L	5.0	3.5	04/28/25	04/28/25
MTBE	ND		ug/L	5.0	0.1	04/28/25	04/28/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
2-Butanone	ND		ug/L	100	2.0	04/28/25	04/28/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Chloroform	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Benzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Trichloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromodichloromethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Dibromomethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	04/28/25	04/28/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Toluene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Tetrachloroethene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Chlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
m,p-Xylenes	ND		ug/L	10	0.2	04/28/25	04/28/25
o-Xylene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Styrene	ND		ug/L	5.0	0.08	04/28/25	04/28/25
Bromoform	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Isopropylbenzene	ND		ug/L	5.0	0.09	04/28/25	04/28/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/28/25	04/28/25

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Batch QC

QC1252393 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
Bromobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	04/28/25	04/28/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
n-Butylbenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	04/28/25	04/28/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Naphthalene	ND		ug/L	5.0	0.3	04/28/25	04/28/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	04/28/25	04/28/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	04/28/25	04/28/25
Xylene (total)	ND		ug/L	5.0		04/28/25	04/28/25
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		04/28/25	04/28/25
1,2-Dichloroethane-d4	108%		%REC	70-130		04/28/25	04/28/25
Toluene-d8	97%		%REC	70-130		04/28/25	04/28/25
Bromofluorobenzene	102%		%REC	70-130		04/28/25	04/28/25

Type: Lab Control Sample	**Lab ID: QC1252394**	**Batch: 369868**
Matrix: Water	**Method: EPA 8260B**	**Prep Method: EPA 5030B**

QC1252394 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	56.95	50.00	ug/L	114%		70-135
MTBE	54.06	50.00	ug/L	108%		70-130
Benzene	49.46	50.00	ug/L	99%		70-130
Trichloroethene	49.02	50.00	ug/L	98%		70-130
Toluene	47.89	50.00	ug/L	96%		70-130
Chlorobenzene	46.33	50.00	ug/L	93%		70-130
Surrogates						
Dibromofluoromethane	49.93	50.00	ug/L	100%		70-130
1,2-Dichloroethane-d4	51.92	50.00	ug/L	104%		70-130
Toluene-d8	49.76	50.00	ug/L	100%		70-130
Bromofluorobenzene	51.85	50.00	ug/L	104%		70-130

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1252395**	**Batch:**	**369868**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1252395 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.50	50.00	ug/L	103%		70-135	10	30
MTBE	56.26	50.00	ug/L	113%		70-130	4	30
Benzene	49.07	50.00	ug/L	98%		70-130	1	30
Trichloroethene	48.35	50.00	ug/L	97%		70-130	1	30
Toluene	47.25	50.00	ug/L	95%		70-130	1	30
Chlorobenzene	45.48	50.00	ug/L	91%		70-130	2	30
Surrogates								
Dibromofluoromethane	49.30	50.00	ug/L	99%		70-130		
1,2-Dichloroethane-d4	52.17	50.00	ug/L	104%		70-130		
Toluene-d8	49.52	50.00	ug/L	99%		70-130		
Bromofluorobenzene	51.69	50.00	ug/L	103%		70-130		

Type:	**Matrix Spike**	**Lab ID:**	**QC1252443**	**Batch:**	**369868**
Matrix (Source ID):	**Water (531645-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1252443 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	16.58	ND	20.00	ug/L	83%		70-130	1
MTBE	16.76	ND	20.00	ug/L	84%		75-130	1
Benzene	16.14	ND	20.00	ug/L	81%		70-130	1
Trichloroethene	17.33	ND	20.00	ug/L	87%		63-130	1
Toluene	16.46	ND	20.00	ug/L	82%		70-130	1
Chlorobenzene	16.17	ND	20.00	ug/L	81%		70-130	1
Surrogates								
Dibromofluoromethane	44.94		50.00	ug/L	90%		70-130	1
1,2-Dichloroethane-d4	48.75		50.00	ug/L	97%		70-130	1
Toluene-d8	50.89		50.00	ug/L	102%		70-130	1
Bromofluorobenzene	50.68		50.00	ug/L	101%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1252444	Batch:	369868
Matrix (Source ID):	Water (531645-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252444 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	16.47	ND	20.00	ug/L	82%		70-130	1	30	1
MTBE	17.28	ND	20.00	ug/L	86%		75-130	3	30	1
Benzene	17.14	ND	20.00	ug/L	86%		70-130	6	30	1
Trichloroethene	17.92	ND	20.00	ug/L	90%		63-130	3	30	1
Toluene	16.46	ND	20.00	ug/L	82%		70-130	0	30	1
Chlorobenzene	16.39	ND	20.00	ug/L	82%		70-130	1	30	1
Surrogates										
Dibromofluoromethane	48.35		50.00	ug/L	97%		70-130			1
1,2-Dichloroethane-d4	55.51		50.00	ug/L	111%		70-130			1
Toluene-d8	48.77		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	51.58		50.00	ug/L	103%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1252682	Batch:	369946
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252682 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	40.10	50.00	ug/L	80%		70-135
MTBE	43.98	50.00	ug/L	88%		70-130
Benzene	43.70	50.00	ug/L	87%		70-130
Trichloroethene	52.17	50.00	ug/L	104%		70-130
Toluene	49.44	50.00	ug/L	99%		70-130
Chlorobenzene	52.25	50.00	ug/L	104%		70-130
Surrogates						
Dibromofluoromethane	54.76	50.00	ug/L	110%		70-130
1,2-Dichloroethane-d4	42.68	50.00	ug/L	85%		70-130
Toluene-d8	54.03	50.00	ug/L	108%		70-130
Bromofluorobenzene	48.75	50.00	ug/L	97%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252683	Batch:	369946
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	40.58	50.00	ug/L	81%		70-135	1	30
MTBE	44.81	50.00	ug/L	90%		70-130	2	30
Benzene	43.27	50.00	ug/L	87%		70-130	1	30
Trichloroethene	52.18	50.00	ug/L	104%		70-130	0	30
Toluene	48.74	50.00	ug/L	97%		70-130	1	30
Chlorobenzene	51.43	50.00	ug/L	103%		70-130	2	30
Surrogates								
Dibromofluoromethane	55.05	50.00	ug/L	110%		70-130		
1,2-Dichloroethane-d4	42.38	50.00	ug/L	85%		70-130		
Toluene-d8	52.93	50.00	ug/L	106%		70-130		
Bromofluorobenzene	47.57	50.00	ug/L	95%		70-130		

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Batch QC

Type: Blank	**Lab ID:** QC1252687	**Batch:** 369946	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1252687 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	04/29/25	04/29/25
Freon 12	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Chloromethane	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromomethane	ND		ug/L	5.0	0.4	04/29/25	04/29/25
Chloroethane	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Acetone	ND		ug/L	100	21	04/29/25	04/29/25
Freon 113	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Methylene Chloride	ND		ug/L	5.0	2.4	04/29/25	04/29/25
MTBE	ND		ug/L	5.0	0.09	04/29/25	04/29/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	04/29/25	04/29/25
2-Butanone	ND		ug/L	100	1.7	04/29/25	04/29/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Chloroform	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Benzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Trichloroethene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromodichloromethane	ND		ug/L	5.0	0.08	04/29/25	04/29/25
Dibromomethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	04/29/25	04/29/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	04/29/25	04/29/25
Toluene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Tetrachloroethene	ND		ug/L	5.0	0.09	04/29/25	04/29/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	04/29/25	04/29/25
Chlorobenzene	ND		ug/L	5.0	0.09	04/29/25	04/29/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
m,p-Xylenes	ND		ug/L	10	0.2	04/29/25	04/29/25
o-Xylene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Styrene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
Bromoform	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Isopropylbenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/29/25	04/29/25

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Batch QC

QC1252687 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
Bromobenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,2,4-Trimethylbenzene	0.2	J	ug/L	5.0	0.2	04/29/25	04/29/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/29/25	04/29/25
n-Butylbenzene	ND		ug/L	5.0	0.4	04/29/25	04/29/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/29/25	04/29/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	04/29/25	04/29/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	04/29/25	04/29/25
Naphthalene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	04/29/25	04/29/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	04/29/25	04/29/25
Xylene (total)	ND		ug/L	5.0		04/29/25	04/29/25
Surrogates				**Limits**			
Dibromofluoromethane	110%		%REC	70-130		04/29/25	04/29/25
1,2-Dichloroethane-d4	85%		%REC	70-130		04/29/25	04/29/25
Toluene-d8	109%		%REC	70-130		04/29/25	04/29/25
Bromofluorobenzene	100%		%REC	70-130		04/29/25	04/29/25

Type: Matrix Spike **Lab ID:** QC1252764 **Batch:** 369946
Matrix (Source ID): Water (531477-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1252764 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	106.3	ND	200.0	ug/L	53%	*	70-130	10
MTBE	112.0	ND	200.0	ug/L	56%	*	75-130	10
Benzene	117.9	ND	200.0	ug/L	59%	*	70-130	10
Trichloroethene	153.3	ND	200.0	ug/L	77%		63-130	10
Toluene	140.0	ND	200.0	ug/L	70%		70-130	10
Chlorobenzene	171.2	32.82	200.0	ug/L	69%	*	70-130	10
Surrogates								
Dibromofluoromethane	536.6		500.0	ug/L	107%		70-130	10
1,2-Dichloroethane-d4	415.9		500.0	ug/L	83%		70-130	10
Toluene-d8	540.1		500.0	ug/L	108%		70-130	10
Bromofluorobenzene	488.8		500.0	ug/L	98%		70-130	10

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1252765	Batch:	369946
Matrix (Source ID):	Water (531477-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	109.5	ND	200.0	ug/L	55%	*	70-130	3	30	10
MTBE	117.4	ND	200.0	ug/L	59%	*	75-130	5	30	10
Benzene	123.4	ND	200.0	ug/L	62%	*	70-130	5	30	10
Trichloroethene	162.7	ND	200.0	ug/L	81%		63-130	6	30	10
Toluene	148.3	ND	200.0	ug/L	74%		70-130	6	30	10
Chlorobenzene	183.6	32.82	200.0	ug/L	75%		70-130	7	30	10
Surrogates										
Dibromofluoromethane	541.3		500.0	ug/L	108%		70-130			10
1,2-Dichloroethane-d4	405.3		500.0	ug/L	81%		70-130			10
Toluene-d8	540.8		500.0	ug/L	108%		70-130			10
Bromofluorobenzene	489.3		500.0	ug/L	98%		70-130			10

Type:	Blank	Lab ID:	QC1252036	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252036 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	04/25/25	04/26/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		04/25/25	04/26/25

Type:	Lab Control Sample	Lab ID:	QC1252038	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252038 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.756	10.00	ug/L	88%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.867	10.00	ug/L	99%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252039	Batch:	369774
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.890	10.00	ug/L	89%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.08	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1252726	Batch:	369957
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1252726 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		04/29/25	04/29/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1252727 **Batch:** 369957
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1252727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1252728 **Batch:** 369957
Matrix (Source ID): Water (531597-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1252728 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1252729 **Batch:** 369957
Matrix (Source ID): Water (531597-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1252729 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1253899 **Batch:** 370311
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1253899 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	05/02/25	05/02/25

Type: Lab Control Sample **Lab ID:** QC1253900 **Batch:** 370311
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1253900 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.65	25.00	mg/L	95%		85-115

Type: Matrix Spike **Lab ID:** QC1253901 **Batch:** 370311
Matrix (Source ID): Water (531741-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1253901 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	27.34	1.522	25.00	mg/L	103%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1253902 **Batch:** 370311
Matrix (Source ID): Water (531741-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1253902 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	27.35	1.522	25.00	mg/L	103%		75-125	0	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1252539	Batch: 369916
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1252539 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		04/28/25	04/28/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		04/28/25	04/28/25

Type: Lab Control Sample	Lab ID: QC1252540	Batch: 369916
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1252540 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,008	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1252541	Batch: 369916
Matrix (Source ID): Water (531741-004)	Method: SM2320B	Prep Method: METHOD

QC1252541 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	203.7	207.6	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	203.7	207.6	mg/L		2	20	2.5

Type: Blank	Lab ID: QC1252600	Batch: 369929
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1252600 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252601	Batch: 369929
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1252601 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,040	1000	mg/L	104%		90-110

Type: Sample Duplicate	Lab ID: QC1252602	Batch: 369929
Matrix (Source ID): Water (531819-001)	Method: SM2540C	Prep Method: METHOD

QC1252602 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	410.0	404.0	mg/L		1	5	2

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 531741

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2504M21

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-531741

Project Location:
Project Received: 04/29/2025

Analytical Report reviewed & approved for release on 05/01/2025 by:

Yen Cao

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M21

Project: EO-531741

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M21

Project: EO-531741

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M21
Date Received:	04/29/2025 11:04	**Extraction Method:**	RSK175
Date Prepared:	04/30/2025	**Analytical Method:**	RSK175
Project:	EO-531741	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-17	2504M21-001A	Water	04/24/2025 08:57	GC26 0430250905.D	316493

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**510**	50	50	1	04/30/2025 11:33

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-14	2504M21-002A	Water	04/24/2025 10:27	GC26 0430250907.D	316493

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**590**	50	50	1	04/30/2025 12:02

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2504M21-003A	Water	04/24/2025 11:34	GC26 0430250910.D	316493

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3400**	200	200	4	04/30/2025 13:51

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M21
Date Received:	04/29/2025 11:04	**Extraction Method:**	RSK175
Date Prepared:	04/30/2025	**Analytical Method:**	RSK175
Project:	EO-531741	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-15	2504M21-004A	Water	04/24/2025 12:23	GC26 0430250914.D	316493

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**14,000**	500	500	10	04/30/2025 14:52

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M21
Date Prepared:	04/30/2025	**BatchID:**	316493
Date Analyzed:	04/30/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-531741	**Sample ID:**	MB/LCS/LCSD-316493

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	130	187.2	73	71	70-130	2.39	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2504M21 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531741

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **04/29/2025**
Date Logged: **04/29/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504M21-001	DW-17	Water	4/24/2025 08:57	☐	A	A										
2504M21-002	DW-14	Water	4/24/2025 10:27	☐	A	A										
2504M21-003	DW-30	Water	4/24/2025 11:34	☐	A	A										
2504M21-004	DW-15	Water	4/24/2025 12:23	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-531741 **Work Order:** 2504M21
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-17	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/24/2025 8:57	5 days	5/6/2025	Trace	☐	☐
002A	DW-14	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/24/2025 10:27	5 days	5/6/2025	Present	☐	☐
003A	DW-30	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/24/2025 11:34	5 days	5/6/2025		☐	☐
004A	DW-15	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/24/2025 12:23	5 days	5/6/2025		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

~~2504M20~~
2504M21

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-531741
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Hold Time RUSH - collected 4/24/25
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

HOLD TIME RUSH

Notes:
Chiquita Canyon Landfill - Hold Time RUSH - collected 4/24/25

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-17	24-APR-2025 08:57	531741-001	2	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25
DW-14	24-APR-2025 10:27	531741-002	2	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25
DW-30	24-APR-2025 11:34	531741-003	2	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25
DW-15	24-APR-2025 12:23	531741-004	2	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25

Notes:	Relinquished By:	Received By:
	J. Quintero EA-082A	
	Date: 04/28/25 1430	Date: 4/29/25 ~~1430~~ 1104
	Date:	Date:
	Date:	Date:

C/S: 5629143407

2.7 Wet IR45

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	4/29/2025 11:04
Project:	EO-531741	Date Logged:	4/29/2025
		Received by:	
WorkOrder №:	2504M21 Matrix:	Logged by:	Carolina Garcia
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.7°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531889
Report Level : II
Report Date : 05/13/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	531889 GW MONITORING Chiquita Canyon Landfill - Quarterly MPars 04/28/25

Sample ID	Lab ID	Collected	Matrix
DW-31	531889-001	04/28/25 09:12	Water
DW-1	531889-002	04/28/25 10:09	Water
DW-16	531889-003	04/28/25 11:08	Water
DW-3	531889-004	04/28/25 12:03	Water
QCFB	531889-005	04/28/25 09:14	Water
QCTB	531889-006	04/28/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 531889 Project No: GW MONITORING Location: Chiquita Canyon Landfill - Quarterly MPars Date Received: 04/28/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 04/29/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for many analytes in the MS/MSD of DW-31 (lab # 531889-001); the BS/BSD were within limits, and the associated RPDs were within limits.
- 1,2,4-trimethylbenzene was detected between the MDL and the RL in the method blank for batch 370081; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

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Chain of Custody Record

Lab No: 531889

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments

1213
2.5 12.5

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-31	4/28/25	912	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-1	↓	1009	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-16	↓	1108	↓	↓	↓	X	X	X	X	X	X	X	X	X
4	DW-3	↓	1203	↓	↓	↓	X	X	X	X	X	X	X	X	X
5	QCFB	↓	914	↓	3	↓	X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

Login 531889

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	4/28/25 1405
[1] Received By:		Hrag B.	EA-NH	4/28/25 1405
[2] Relinquished By:		Hrag B.	EA-NH	4/29/25 1045
[2] Received By:			EA	4/29/25 1100
[3] Relinquished By:			EA	4/29/25 1130
[3] Received By:		Nicole Mendoza	EA	4/29/25 11:30

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 4/29/25 WO# 531889 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/29/25 By (initials) RRS Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 2.5/2.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?		✓	
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 4/28/25 **By (print)** ABD **(sign)** ABD

Date Labeled 4/29/25 **By (print)** EA-OR **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 531889

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531889
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 04/28/25

Sample ID: DW-31 **Lab ID: 531889-001** **Collected: 04/28/25 09:12**
Matrix: Water

531889-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.19**	J	mg/L	0.20	0.034	1	370000	04/29/25 13:30	04/29/25 17:16	AJL
Chloride	**100**		mg/L	1.0	0.27	1	370000	04/29/25 13:30	04/29/25 17:16	AJL
Bromide	**0.52**		mg/L	0.30	0.060	1	370000	04/29/25 13:30	04/29/25 17:16	AJL
Nitrogen, Nitrate	**0.76**		mg/L	0.10	0.05	1	370000	04/29/25 13:30	04/29/25 17:16	AJL
Sulfate	**430**		mg/L	10	1.8	10	370000	04/29/25 13:30	04/29/25 17:37	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.057**	J	mg/L	0.10	0.050	1	370322	05/02/25	05/05/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**29**		mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.59**		mg/L	0.050	0.0055	1	370016	04/29/25	04/29/25	CAP
Calcium	**200**		mg/L	0.57	0.57	1	370016	04/29/25	04/29/25	CAP
Iron	**0.13**		mg/L	0.046	0.046	1	370016	04/29/25	04/29/25	CAP
Magnesium	**37**		mg/L	0.10	0.025	1	370016	04/29/25	04/29/25	CAP
Manganese	**0.15**		mg/L	0.010	0.0029	1	370016	04/29/25	04/29/25	CAP
Potassium	**1.5**		mg/L	0.50	0.40	1	370016	04/29/25	04/29/25	CAP
Sodium	**120**		mg/L	0.50	0.35	1	370016	04/29/25	04/29/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	370081	04/30/25	04/30/25	HMN
Freon 12	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
Chloromethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Bromomethane	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	HMN
Chloroethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	HMN
Acetone	ND		ug/L	100	21	1	370081	04/30/25	04/30/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	HMN
Methylene Chloride	ND		ug/L	5.0	2.4	1	370081	04/30/25	04/30/25	HMN
MTBE	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	HMN
2-Butanone	ND		ug/L	100	1.7	1	370081	04/30/25	04/30/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Chloroform	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

531889-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
Benzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Trichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	370081	04/30/25	04/30/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	370081	04/30/25	04/30/25	HMN
Toluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Tetrachloroethene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	370081	04/30/25	04/30/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	370081	04/30/25	04/30/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Styrene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
Propylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	HMN
Xylene (total)	ND		ug/L	5.0		1	370081	04/30/25	04/30/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	370081	04/30/25	04/30/25	HMN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531889

531889-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	84%		%REC	70-130		1	370081	04/30/25	04/30/25	HMN
Toluene-d8	108%		%REC	70-130		1	370081	04/30/25	04/30/25	HMN
Bromofluorobenzene	99%		%REC	70-130		1	370081	04/30/25	04/30/25	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	**6.0**		ug/L	1.0	0.95	1	370366	05/02/25	05/05/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	370366	05/02/25	05/05/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**14**		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**490**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Alkalinity, Total as CaCO3	**490**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	370153	04/30/25	05/01/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

Sample ID: DW-1	Lab ID: 531889-002	Collected: 04/28/25 10:09
	Matrix: Water	

531889-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.74**		mg/L	0.20	0.034	1	370000	04/29/25 13:30	04/29/25 18:39	AJL
Chloride	**120**		mg/L	1.0	0.27	1	370000	04/29/25 13:30	04/29/25 18:39	AJL
Bromide	**0.29**	J	mg/L	0.30	0.060	1	370000	04/29/25 13:30	04/29/25 18:39	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	370000	04/29/25 13:30	04/29/25 18:39	AJL
Sulfate	**390**		mg/L	10	1.8	10	370000	04/29/25 13:30	04/29/25 18:59	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	370322	05/02/25	05/05/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**2.0**	J	mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	370016	04/29/25	04/29/25	CAP
Calcium	**57**		mg/L	0.57	0.57	1	370016	04/29/25	04/29/25	CAP
Iron	ND		mg/L	0.046	0.046	1	370016	04/29/25	04/29/25	CAP
Magnesium	**11**		mg/L	0.10	0.025	1	370016	04/29/25	04/29/25	CAP
Manganese	**0.049**		mg/L	0.010	0.0029	1	370016	04/29/25	04/29/25	CAP
Potassium	**2.5**		mg/L	0.50	0.40	1	370016	04/29/25	04/29/25	CAP
Sodium	**210**		mg/L	0.50	0.35	1	370016	04/29/25	04/29/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	370081	04/30/25	04/30/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Acetone	ND		ug/L	100	21	1	370081	04/30/25	04/30/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	370081	04/30/25	04/30/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	370081	04/30/25	04/30/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

531889-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	370081	04/30/25	04/30/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	370081	04/30/25	04/30/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Tetrachloroethene	**0.2**	J	ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	370081	04/30/25	04/30/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370081	04/30/25	04/30/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370081	04/30/25	04/30/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane-d4	85%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Toluene-d8	108%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Bromofluorobenzene	100%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531889

531889-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	370366	05/02/25	05/05/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	370366	05/02/25	05/05/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**220**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Alkalinity, Total as CaCO3	**220**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**860**		mg/L	20		2	370153	04/30/25	05/01/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

Sample ID: DW-16	Lab ID: 531889-003	Collected: 04/28/25 11:08
	Matrix: Water	

531889-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.39**		mg/L	0.20	0.034	1	370000	04/29/25 13:30	04/29/25 19:20	AJL
Chloride	**110**		mg/L	1.0	0.27	1	370000	04/29/25 13:30	04/29/25 19:20	AJL
Bromide	**0.24**	J	mg/L	0.30	0.060	1	370000	04/29/25 13:30	04/29/25 19:20	AJL
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.05	1	370000	04/29/25 13:30	04/29/25 19:20	AJL
Sulfate	**190**		mg/L	10	1.8	10	370000	04/29/25 13:30	04/29/25 19:40	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	370322	05/02/25	05/05/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**4.0**		mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.13**		mg/L	0.050	0.0055	1	370016	04/29/25	04/29/25	CAP
Calcium	**6.5**		mg/L	0.57	0.57	1	370016	04/29/25	04/29/25	CAP
Iron	ND		mg/L	0.046	0.046	1	370016	04/29/25	04/29/25	CAP
Magnesium	**0.39**		mg/L	0.10	0.025	1	370016	04/29/25	04/29/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	370016	04/29/25	04/29/25	CAP
Potassium	**0.83**		mg/L	0.50	0.40	1	370016	04/29/25	04/29/25	CAP
Sodium	**230**		mg/L	0.50	0.35	1	370016	04/29/25	04/29/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	370081	04/30/25	04/30/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Trichlorofluoromethane	**0.09**	J	ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Acetone	ND		ug/L	100	21	1	370081	04/30/25	04/30/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	370081	04/30/25	04/30/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethane	**0.9**	J	ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	370081	04/30/25	04/30/25	ZST
cis-1,2-Dichloroethene	**0.6**	J	ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Chloroform	**0.3**	J	ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

531889-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	**0.2**	J	ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Trichloroethene	**0.7**	J	ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	370081	04/30/25	04/30/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	370081	04/30/25	04/30/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Tetrachloroethene	**0.6**	J	ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	370081	04/30/25	04/30/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370081	04/30/25	04/30/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,4-Dichlorobenzene	**0.3**	J	ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370081	04/30/25	04/30/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane-d4	85%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Toluene-d8	107%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531889

531889-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	370366	05/02/25	05/05/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	370366	05/02/25	05/05/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**220**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Alkalinity, Total as CaCO3	**250**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**720**		mg/L	20		2	370153	04/30/25	05/01/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

Sample ID: DW-3	Lab ID: 531889-004	Collected: 04/28/25 12:03
	Matrix: Water	

531889-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.63**		mg/L	0.20	0.034	1	370000	04/29/25 13:30	04/29/25 20:01	AJL
Chloride	**58**		mg/L	1.0	0.27	1	370000	04/29/25 13:30	04/29/25 20:01	AJL
Bromide	**0.17**	J	mg/L	0.30	0.060	1	370000	04/29/25 13:30	04/29/25 20:01	AJL
Nitrogen, Nitrate	**1.9**		mg/L	0.10	0.05	1	370000	04/29/25 13:30	04/29/25 20:01	AJL
Sulfate	**110**		mg/L	10	1.8	10	370000	04/29/25 13:30	04/29/25 20:21	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	370322	05/02/25	05/05/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	370263	05/01/25	05/01/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.26**		mg/L	0.050	0.0055	1	370016	04/29/25	04/29/25	CAP
Calcium	**32**		mg/L	0.57	0.57	1	370016	04/29/25	04/29/25	CAP
Iron	ND		mg/L	0.046	0.046	1	370016	04/29/25	04/29/25	CAP
Magnesium	**3.9**		mg/L	0.10	0.025	1	370016	04/29/25	04/29/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	370016	04/29/25	04/29/25	CAP
Potassium	**1.6**		mg/L	0.50	0.40	1	370016	04/29/25	04/29/25	CAP
Sodium	**110**		mg/L	0.50	0.35	1	370016	04/29/25	04/29/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	370081	04/30/25	04/30/25	ZST
Freon 12	**3.5**	J	ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Trichlorofluoromethane	**0.1**	J	ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Acetone	ND		ug/L	100	21	1	370081	04/30/25	04/30/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	370081	04/30/25	04/30/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethane	**0.2**	J	ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	370081	04/30/25	04/30/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

531889-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	370081	04/30/25	04/30/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	370081	04/30/25	04/30/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Tetrachloroethene	**0.9**	J	ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	370081	04/30/25	04/30/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370081	04/30/25	04/30/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370081	04/30/25	04/30/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane-d4	85%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Toluene-d8	108%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531889

531889-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	370366	05/02/25	05/05/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	370366	05/02/25	05/05/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	370311	05/02/25	05/02/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	10		5	370049	04/29/25	04/29/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**450**		mg/L	20		2	370153	04/30/25	05/01/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

Sample ID: QCFB	Lab ID: 531889-005	Collected: 04/28/25 09:14
	Matrix: Water	

531889-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	370081	04/30/25	04/30/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Acetone	ND		ug/L	100	21	1	370081	04/30/25	04/30/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Methylene Chloride	**6.4**		ug/L	5.0	2.4	1	370081	04/30/25	04/30/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	370081	04/30/25	04/30/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Chloroform	**0.7**	J	ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	370081	04/30/25	04/30/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	370081	04/30/25	04/30/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	370081	04/30/25	04/30/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370081	04/30/25	04/30/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

531889-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370081	04/30/25	04/30/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane-d4	86%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Toluene-d8	107%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Bromofluorobenzene	100%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

Sample ID: QCTB	Lab ID: 531889-006	Collected: 04/28/25
	Matrix: Water	

531889-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	370081	04/30/25	04/30/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Acetone	ND		ug/L	100	21	1	370081	04/30/25	04/30/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	370081	04/30/25	04/30/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	370081	04/30/25	04/30/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	370081	04/30/25	04/30/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	370081	04/30/25	04/30/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	370081	04/30/25	04/30/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	370081	04/30/25	04/30/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	370081	04/30/25	04/30/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370081	04/30/25	04/30/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531889

531889-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370081	04/30/25	04/30/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370081	04/30/25	04/30/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	370081	04/30/25	04/30/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	370081	04/30/25	04/30/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370081	04/30/25	04/30/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
1,2-Dichloroethane-d4	85%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Toluene-d8	108%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	370081	04/30/25	04/30/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1252823**	**Batch:**	**370000**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1252823 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	04/29/25 13:30	04/29/25 14:32
Chloride	ND		mg/L	1.0	0.27	04/29/25 13:30	04/29/25 14:32
Bromide	ND		mg/L	0.30	0.060	04/29/25 13:30	04/29/25 14:32
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	04/29/25 13:30	04/29/25 14:32
Sulfate	ND		mg/L	1.0	0.18	04/29/25 13:30	04/29/25 14:32

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252824**	**Batch:**	**370000**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1252824 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.108	10.00	mg/L	91%		90-110
Chloride	47.77	50.00	mg/L	96%		90-110
Bromide	15.10	15.00	mg/L	101%		90-110
Nitrogen, Nitrate	4.580	4.518	mg/L	101%		90-110
Sulfate	24.71	25.00	mg/L	99%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1252826**	**Batch:**	**370000**
Matrix (Source ID):	**Water (531895-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1252826 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.16	0.05058	20.00	mg/L	96%		80-120	1
Chloride	111.3	10.09	100.0	mg/L	101%		80-120	1
Bromide	15.02	ND	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	12.43	3.483	9.036	mg/L	99%		80-120	1
Sulfate	60.09	10.62	50.00	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1252827**	**Batch:**	**370000**
Matrix (Source ID):	**Water (531895-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1252827 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.25	0.05058	20.00	mg/L	96%		80-120	0	20	1
Chloride	111.4	10.09	100.0	mg/L	101%		80-120	0	20	1
Bromide	15.01	ND	15.00	mg/L	100%		80-120	0	20	1
Nitrogen, Nitrate	12.37	3.483	9.036	mg/L	98%		80-120	1	20	1
Sulfate	60.11	10.62	50.00	mg/L	99%		80-120	0	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1253947**	**Batch:**	**370322**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1253947 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9894	1.000	mg/L	99%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1253948	Batch: 370322
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1253948 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	05/02/25	05/05/25

Type: Matrix Spike	Lab ID: QC1253954	Batch: 370322
Matrix (Source ID): Water (531889-001)	Method: EPA 350.1	Prep Method: METHOD

QC1253954 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.027	0.05677	1.000	mg/L	97%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1253955	Batch: 370322
Matrix (Source ID): Water (531889-001)	Method: EPA 350.1	Prep Method: METHOD

QC1253955 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.065	0.05677	1.000	mg/L	101%		90-110	4	20	1

Type: Blank	Lab ID: QC1253686	Batch: 370263
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1253686 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/01/25	05/01/25

Type: Lab Control Sample	Lab ID: QC1253687	Batch: 370263
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1253687 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	99.00	100.0	mg/L	99%		90-110

Type: Matrix Spike	Lab ID: QC1253688	Batch: 370263
Matrix (Source ID): Water (531741-001)	Method: EPA 410.4	Prep Method: METHOD

QC1253688 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	94.00	ND	100.0	mg/L	94%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1253689	Batch: 370263
Matrix (Source ID): Water (531741-001)	Method: EPA 410.4	Prep Method: METHOD

QC1253689 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	94.00	ND	100.0	mg/L	94%		75-125	0	20	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1253690	Batch:	370263
Matrix (Source ID):	Water (531889-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1253690 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	128.0	29.00	100.0	mg/L	99%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1253691	Batch:	370263
Matrix (Source ID):	Water (531889-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1253691 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	128.0	29.00	100.0	mg/L	99%		75-125	0	20	2

Type:	Blank	Lab ID:	QC1252874	Batch:	370016
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252874 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	04/29/25	04/29/25
Calcium	ND		mg/L	0.57	0.57	04/29/25	04/29/25
Iron	ND		mg/L	0.046	0.046	04/29/25	04/29/25
Magnesium	ND		mg/L	0.10	0.025	04/29/25	04/29/25
Manganese	ND		mg/L	0.010	0.0029	04/29/25	04/29/25
Potassium	ND		mg/L	0.50	0.40	04/29/25	04/29/25
Sodium	ND		mg/L	0.50	0.35	04/29/25	04/29/25

Type:	Lab Control Sample	Lab ID:	QC1252875	Batch:	370016
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252875 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3630	0.4000	mg/L	91%		80-120
Calcium	18.17	20.40	mg/L	89%		80-120
Iron	0.3614	0.4000	mg/L	90%		80-120
Magnesium	18.12	20.40	mg/L	89%		80-120
Manganese	0.3618	0.4000	mg/L	90%		80-120
Potassium	20.83	24.00	mg/L	87%		80-120
Sodium	17.82	20.40	mg/L	87%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1252876	Batch:	370016
Matrix (Source ID):	Water (531889-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252876 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.9613	0.5900	0.4000	mg/L	93%		75-125	1
Calcium	216.1	200.0	20.40	mg/L	79%	NM	75-125	1
Iron	0.4927	0.1293	0.4000	mg/L	91%		75-125	1
Magnesium	55.32	37.11	20.40	mg/L	89%		75-125	1
Manganese	0.5208	0.1543	0.4000	mg/L	92%		75-125	1
Potassium	23.93	1.478	24.00	mg/L	94%		75-125	1
Sodium	140.8	123.2	20.40	mg/L	86%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252877	Batch:	370016
Matrix (Source ID):	Water (531889-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252877 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.9487	0.5900	0.4000	mg/L	90%		75-125	1	20	1
Calcium	215.8	200.0	20.40	mg/L	77%	NM	75-125	0	20	1
Iron	0.4788	0.1293	0.4000	mg/L	87%		75-125	3	20	1
Magnesium	54.76	37.11	20.40	mg/L	87%		75-125	1	20	1
Manganese	0.5084	0.1543	0.4000	mg/L	89%		75-125	2	20	1
Potassium	23.19	1.478	24.00	mg/L	90%		75-125	3	20	1
Sodium	140.3	123.2	20.40	mg/L	84%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1252883	Batch:	370016
Matrix (Source ID):	Water (531889-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252883 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.5876	0.5900	mg/L				5
Calcium	204.0	200.0	mg/L				5
Iron	ND	0.1293	mg/L				5
Magnesium	38.16	37.11	mg/L				5
Manganese	0.1567	0.1543	mg/L				5
Potassium	ND	1.478	mg/L				5
Sodium	124.0	123.2	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1253096	Batch: 370081
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1253096 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	44.56	50.00	ug/L	89%		70-135
MTBE	44.03	50.00	ug/L	88%		70-130
Benzene	46.77	50.00	ug/L	94%		70-130
Trichloroethene	57.30	50.00	ug/L	115%		70-130
Toluene	52.01	50.00	ug/L	104%		70-130
Chlorobenzene	53.94	50.00	ug/L	108%		70-130
Surrogates						
Dibromofluoromethane	54.15	50.00	ug/L	108%		70-130
1,2-Dichloroethane-d4	41.92	50.00	ug/L	84%		70-130
Toluene-d8	53.29	50.00	ug/L	107%		70-130
Bromofluorobenzene	48.89	50.00	ug/L	98%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1253097	Batch: 370081
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1253097 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	41.89	50.00	ug/L	84%		70-135	6	30
MTBE	44.96	50.00	ug/L	90%		70-130	2	30
Benzene	44.97	50.00	ug/L	90%		70-130	4	30
Trichloroethene	53.78	50.00	ug/L	108%		70-130	6	30
Toluene	49.96	50.00	ug/L	100%		70-130	4	30
Chlorobenzene	53.31	50.00	ug/L	107%		70-130	1	30
Surrogates								
Dibromofluoromethane	53.89	50.00	ug/L	108%		70-130		
1,2-Dichloroethane-d4	42.28	50.00	ug/L	85%		70-130		
Toluene-d8	52.95	50.00	ug/L	106%		70-130		
Bromofluorobenzene	48.92	50.00	ug/L	98%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1253101	**Batch:** 370081	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1253101 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	04/30/25	04/30/25
Freon 12	ND		ug/L	5.0	0.2	04/30/25	04/30/25
Chloromethane	ND		ug/L	5.0	0.3	04/30/25	04/30/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Bromomethane	ND		ug/L	5.0	0.4	04/30/25	04/30/25
Chloroethane	ND		ug/L	5.0	0.3	04/30/25	04/30/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	04/30/25	04/30/25
Acetone	ND		ug/L	100	21	04/30/25	04/30/25
Freon 113	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	04/30/25	04/30/25
Methylene Chloride	ND		ug/L	5.0	2.4	04/30/25	04/30/25
MTBE	ND		ug/L	5.0	0.09	04/30/25	04/30/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	04/30/25	04/30/25
2-Butanone	ND		ug/L	100	1.7	04/30/25	04/30/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	04/30/25	04/30/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Chloroform	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/30/25	04/30/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	04/30/25	04/30/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/30/25	04/30/25
Benzene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Trichloroethene	ND		ug/L	5.0	0.2	04/30/25	04/30/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Bromodichloromethane	ND		ug/L	5.0	0.08	04/30/25	04/30/25
Dibromomethane	ND		ug/L	5.0	0.2	04/30/25	04/30/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	04/30/25	04/30/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	04/30/25	04/30/25
Toluene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/30/25	04/30/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Tetrachloroethene	ND		ug/L	5.0	0.09	04/30/25	04/30/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	04/30/25	04/30/25
Chlorobenzene	ND		ug/L	5.0	0.09	04/30/25	04/30/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
m,p-Xylenes	ND		ug/L	10	0.2	04/30/25	04/30/25
o-Xylene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Styrene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
Bromoform	ND		ug/L	5.0	0.2	04/30/25	04/30/25
Isopropylbenzene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/30/25	04/30/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/30/25	04/30/25

ENTHALPY ANALYTICAL

Batch QC

QC1253101 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	04/30/25	04/30/25
Bromobenzene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	04/30/25	04/30/25
1,2,4-Trimethylbenzene	0.2	J	ug/L	5.0	0.2	04/30/25	04/30/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	04/30/25	04/30/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	04/30/25	04/30/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/30/25	04/30/25
n-Butylbenzene	ND		ug/L	5.0	0.4	04/30/25	04/30/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/30/25	04/30/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	04/30/25	04/30/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	04/30/25	04/30/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	04/30/25	04/30/25
Naphthalene	ND		ug/L	5.0	0.3	04/30/25	04/30/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	04/30/25	04/30/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	04/30/25	04/30/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	04/30/25	04/30/25
Xylene (total)	ND		ug/L	5.0		04/30/25	04/30/25
Surrogates				**Limits**			
Dibromofluoromethane	107%		%REC	70-130		04/30/25	04/30/25
1,2-Dichloroethane-d4	85%		%REC	70-130		04/30/25	04/30/25
Toluene-d8	108%		%REC	70-130		04/30/25	04/30/25
Bromofluorobenzene	98%		%REC	70-130		04/30/25	04/30/25

Type: Matrix Spike **Lab ID:** QC1253176 **Batch:** 370081
Matrix (Source ID): Water (531889-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1253176 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	7.736	ND	20.00	ug/L	39%	*	70-130	1
MTBE	9.194	ND	20.00	ug/L	46%	*	75-130	1
Benzene	9.260	ND	20.00	ug/L	46%	*	70-130	1
Trichloroethene	11.78	ND	20.00	ug/L	59%	*	63-130	1
Toluene	10.76	ND	20.00	ug/L	54%	*	70-130	1
Chlorobenzene	11.64	ND	20.00	ug/L	58%	*	70-130	1
Surrogates								
Dibromofluoromethane	53.39		50.00	ug/L	107%		70-130	1
1,2-Dichloroethane-d4	42.06		50.00	ug/L	84%		70-130	1
Toluene-d8	53.83		50.00	ug/L	108%		70-130	1
Bromofluorobenzene	49.64		50.00	ug/L	99%		70-130	1

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1253177	Batch:	370081
Matrix (Source ID):	Water (531889-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1253177 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	7.562	ND	20.00	ug/L	38%	*	70-130	2	30	1
MTBE	9.675	ND	20.00	ug/L	48%	*	75-130	5	30	1
Benzene	9.259	ND	20.00	ug/L	46%	*	70-130	0	30	1
Trichloroethene	11.33	ND	20.00	ug/L	57%	*	63-130	4	30	1
Toluene	10.41	ND	20.00	ug/L	52%	*	70-130	3	30	1
Chlorobenzene	11.36	ND	20.00	ug/L	57%	*	70-130	2	30	1
Surrogates										
Dibromofluoromethane	54.70		50.00	ug/L	109%		70-130			1
1,2-Dichloroethane-d4	43.49		50.00	ug/L	87%		70-130			1
Toluene-d8	52.92		50.00	ug/L	106%		70-130			1
Bromofluorobenzene	49.38		50.00	ug/L	99%		70-130			1

Type:	Blank	Lab ID:	QC1254089	Batch:	370366
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1254089 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	05/02/25	05/05/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		05/02/25	05/05/25

Type:	Lab Control Sample	Lab ID:	QC1254090	Batch:	370366
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1254090 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.24	10.00	ug/L	102%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.863	10.00	ug/L	99%		80-120

Type:	Matrix Spike	Lab ID:	QC1254091	Batch:	370366
Matrix (Source ID):	Water (532004-004)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1254091 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,4-Dioxane	12.39	1.798	10.00	ug/L	106%		70-130	1
Surrogates								
1,4-Dioxane-d8 (SUR)	10.17		10.00	ug/L	102%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1254092	Batch:	370366
Matrix (Source ID):	Water (532004-004)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1254092 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,4-Dioxane	12.22	1.798	10.00	ug/L	104%		70-130	1	30	1
Surrogates										
1,4-Dioxane-d8 (SUR)	10.42		10.00	ug/L	104%		80-120			1

Type:	Blank	Lab ID:	QC1253903	Batch:	370312
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1253903 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		05/02/25	05/02/25

Type:	Lab Control Sample	Lab ID:	QC1253904	Batch:	370312
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1253904 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1253905	Batch:	370312
Matrix (Source ID):	Water (531773-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1253905 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1253906	Batch:	370312
Matrix (Source ID):	Water (531773-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1253906 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1253899	Batch:	370311
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1253899 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	05/02/25	05/02/25

Type:	Lab Control Sample	Lab ID:	QC1253900	Batch:	370311
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1253900 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.65	25.00	mg/L	95%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1253901	Batch:	370311
Matrix (Source ID):	Water (531741-001)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1253901 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	27.34	1.522	25.00	mg/L	103%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1253902	Batch:	370311
Matrix (Source ID):	Water (531741-001)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1253902 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	27.35	1.522	25.00	mg/L	103%		75-125	0	25	1

Type:	Blank	Lab ID:	QC1252985	Batch:	370049
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1252985 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		04/29/25	04/29/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		04/29/25	04/29/25

Type:	Lab Control Sample	Lab ID:	QC1252986	Batch:	370049
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1252986 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	970.5	1000	mg/L	97%		90-110

Type:	Sample Duplicate	Lab ID:	QC1253324	Batch:	370049
Matrix (Source ID):	Water (531895-003)	Method:	SM2320B	Prep Method:	METHOD

QC1253324 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	163.4	165.3	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	163.4	165.3	mg/L		1	20	2.5

Type:	Blank	Lab ID:	QC1253329	Batch:	370153
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1253329 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/30/25	05/01/25

Type:	Lab Control Sample	Lab ID:	QC1253330	Batch:	370153
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1253330 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	950.0	1000	mg/L	95%		90-110

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1253331	Batch:	370153
Matrix (Source ID):	Water (531980-001)	Method:	SM2540C	Prep Method:	METHOD

QC1253331 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	700.0	672.0	mg/L		4	5	2

Type:	Sample Duplicate	Lab ID:	QC1253332	Batch:	370153
Matrix (Source ID):	Water (531756-001)	Method:	SM2540C	Prep Method:	METHOD

QC1253332 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	588.0	562.0	mg/L		5	5	2

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 531889

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2504M97

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-531889

Project Location:
Project Received: 04/30/2025

Analytical Report reviewed & approved for release on 05/06/2025 by:

Jennifer Lagerbom
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M97

Project: EO-531889

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M97

Project: EO-531889

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M97
Date Received:	04/30/2025 11:11	**Extraction Method:**	RSK175
Date Prepared:	05/02/2025	**Analytical Method:**	RSK175
Project:	EO-531889	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2504M97-001A	Water	04/28/2025 09:12	GC26 0502251007.D	316675

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**71,000**	2500	2500	50	05/02/2025 14:32

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2504M97-002A	Water	04/28/2025 10:09	GC26 0502251010.D	316675

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3100**	200	200	4	05/02/2025 15:10

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-16	2504M97-003A	Water	04/28/2025 11:08	GC26 0502251012.D	316675

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1400**	50	50	1	05/02/2025 15:51

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M97
Date Received:	04/30/2025 11:11	**Extraction Method:**	RSK175
Date Prepared:	05/02/2025	**Analytical Method:**	RSK175
Project:	EO-531889	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-3	2504M97-004A	Water	04/28/2025 12:03	GC26 0502251015.D	316675

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3600**	200	200	4	05/02/2025 16:50

Analyst(s): CLO

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M97
Date Prepared:	05/02/2025	**BatchID:**	316675
Date Analyzed:	05/02/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-531889	**Sample ID:**	MB/LCS/LCSD-316675

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	130	140	187.2	71	75	70-130	4.89	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2504M97 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531889

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **04/30/2025**
Date Logged: **04/30/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504M97-001	DW-31	Water	4/28/2025 09:12	☐	A	A										
2504M97-002	DW-1	Water	4/28/2025 10:09	☐	A	A										
2504M97-003	DW-16	Water	4/28/2025 11:08	☐	A	A										
2504M97-004	DW-3	Water	4/28/2025 12:03	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-531889 **Work Order:** 2504M97
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/30/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	4/28/2025 9:12	5 days	5/7/2025	None	☐	☐
002A	DW-1	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	4/28/2025 10:09	5 days	5/7/2025	None	☐	☐
003A	DW-16	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	4/28/2025 11:08	5 days	5/7/2025	None	☐	☐
004A	DW-3	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	4/28/2025 12:03	5 days	5/7/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2504M97

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531889
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Landfill - GW Monitoring Samples

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-31	28-APR-2025 09:12	531889-001	3 X	Water	RSK-175 CO2	
DW-1	28-APR-2025 10:09	531889-002	3 X	Water	RSK-175 CO2	
DW-16	28-APR-2025 11:08	531889-003	3 X	Water	RSK-175 CO2	
DW-3	28-APR-2025 12:03	531889-004	3 X	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Anna Roberts	
	Date: 4-29-25 16:38	Date:
		Emily Ke
	Date:	Date: 4/30/25 11:41
	Date:	Date:

GIS: 562950516 1.0 wet
1R30

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	4/30/2025 11:11
Project:	EO-531889	Date Logged:	4/30/2025
		Received by:	
WorkOrder №:	2504M97 Matrix:	Logged by:	Emily Perez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 532904
Report Level : II
Report Date : 05/28/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	532904 GW MONITORING Chiquita Canyon Landfill, Quarterly MPars 05/12/25

Sample ID	Lab ID	Collected	Matrix
DW-28	532904-001	05/12/25 09:22	Water
DW-8	532904-002	05/12/25 10:55	Water
DW-9	532904-003	05/12/25 12:20	Water
DW-31	532904-004	05/12/25 13:26	Water
QCFB	532904-005	05/12/25 10:57	Water
QCTB	532904-006	05/12/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 532904 Project No: GW MONITORING Location: Chiquita Canyon Landfill, Quarterly MPars Date Received: 05/12/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 05/13/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- High response was observed for chloroethane in the CCV analyzed 05/23/25 08:58; this analyte was not detected at or above the RL in the associated sample, and affected data was qualified with "b".
- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCFB (lab # 532904-005) and QCTB (lab # 532904-006) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):

- The TOC sample was received in an unpreserved amber glass container. The sample was preserved at the lab after receipt prior to analysis.
- No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 532904

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments

IR 13

2.6 2.6

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-28	5/12/25	922	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-8	↓	1055	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-9	↓	1220	↓	↓	↓	X	X	X	X	X	X	X	X	X
4	DW-31	↓	1326	↓	↓	↓	X	X	X	X	X	X	X	X	X
5	QCFB	↓	1057	↓	3	↓	X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

Login 532904

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	5/12/25 2:20
[1] Received By:		ALICE TAHMASIAN	EAINH	5/12/25 2:20
[2] Relinquished By:		ALICE TAHMASIAN	EA/NH	5/12/25 11:05
[2] Received By:		GEMA	EANH	5.13.25 11:05
[3] Relinquished By:		GEMA	EANH	5.13.25 11:05
[3] Received By:		NI WO	RA	5-17-25 1130

NI WO RA 5-13-25 1225 RECEIVED BY: 5/13/25 1225

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 05/13/25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**
Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 05/13/25 By (initials) AXT Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7 °C
Cooler Temp (°C) #1: 13.5/12.8 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☒ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____
Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 5/13/25 WO# 532904 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 5/13/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 2.6 / 2.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	~~X~~	X	
10) Were samples received with > 1/2 holding time remaining?		X	
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.9 - SAMPLES FOR TOC RECEIVED IN POLY/PLASTIC PRESERVED W/ H2SO4

4.10 - SAMPLES FOR -001, -002 AND -005 RECEIVED < 1/2 HOLDING TIME REMAINING FOR NITRATE

☐ **No additional discrepancies**

Date Logged 5/12/25 **By (print)** ABD **(sign)** _____

Date Labeled 5/13/25 **By (print)** NIG **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 532904

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 532904
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 05/12/25

Sample ID: DW-28 **Lab ID: 532904-001** **Collected: 05/12/25 09:22**
Matrix: Water

532904-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**1.2**		mg/L	0.20	0.072	1	371207	05/13/25 15:00	05/13/25 18:26	KUM
Chloride	**35**		mg/L	1.0	0.27	1	371207	05/13/25 15:00	05/13/25 18:26	KUM
Bromide	**0.19**	J	mg/L	0.30	0.060	1	371207	05/13/25 15:00	05/13/25 18:26	KUM
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	371207	05/13/25 15:00	05/13/25 18:26	KUM
Sulfate	**460**		mg/L	10	2.5	10	371207	05/13/25 15:00	05/13/25 19:28	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.33**		mg/L	0.10	0.050	1	371828	05/20/25	05/21/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**14**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.3**		mg/L	0.050	0.0055	1	371213	05/13/25	05/13/25	CAP
Calcium	**4.7**		mg/L	0.57	0.57	1	371213	05/13/25	05/13/25	CAP
Iron	ND		mg/L	0.046	0.046	1	371213	05/13/25	05/13/25	CAP
Magnesium	**0.80**		mg/L	0.10	0.025	1	371213	05/13/25	05/13/25	CAP
Manganese	**0.0036**	J	mg/L	0.010	0.0029	1	371213	05/13/25	05/13/25	CAP
Potassium	**0.87**		mg/L	0.50	0.40	1	371213	05/13/25	05/14/25	CAP
Sodium	**350**		mg/L	0.50	0.35	1	371213	05/13/25	05/13/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
Chloroethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Acetone	ND		ug/L	100	8.8	1	371296	05/14/25	05/14/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Methylene Chloride	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
2-Butanone	ND		ug/L	100	0.9	1	371296	05/14/25	05/14/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Chloroform	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 532904

532904-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Benzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Trichloroethene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Dibromomethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	371296	05/14/25	05/14/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	371296	05/14/25	05/14/25	EJB
o-Xylene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Styrene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Bromoform	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Propylbenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Bromobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Xylene (total)	ND		ug/L	5.0		1	371296	05/14/25	05/14/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	94%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 532904

532904-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	98%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Toluene-d8	105%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Bromofluorobenzene	99%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371746	05/19/25	05/19/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.3**		mg/L	1.0	0.68	1	371858	05/20/25	05/21/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**260**		mg/L	5.0		2.5	371695	05/17/25	05/17/25	WWC
Alkalinity, Total as CaCO3	**330**		mg/L	5.0		2.5	371695	05/17/25	05/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	371485	05/15/25	05/18/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 532904

Sample ID: DW-8	Lab ID: 532904-002	Collected: 05/12/25 10:55
	Matrix: Water	

532904-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	ND		mg/L	0.20	0.072	1	371207	05/13/25 15:00	05/13/25 19:49	KUM
Chloride	**68**		mg/L	1.0	0.27	1	371207	05/13/25 15:00	05/13/25 19:49	KUM
Bromide	**0.24**	J	mg/L	0.30	0.060	1	371207	05/13/25 15:00	05/13/25 19:49	KUM
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	371207	05/13/25 15:00	05/13/25 19:49	KUM
Sulfate	**2,800**		mg/L	50	12	50	371207	05/13/25 15:00	05/13/25 20:10	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**1.1**		mg/L	0.10	0.050	1	371452	05/15/25	05/16/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**12**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.0**		mg/L	0.050	0.0055	1	371213	05/13/25	05/13/25	CAP
Calcium	**350**		mg/L	0.57	0.57	1	371213	05/13/25	05/13/25	CAP
Iron	**6.0**		mg/L	0.046	0.046	1	371213	05/13/25	05/13/25	CAP
Magnesium	**200**		mg/L	0.10	0.025	1	371213	05/13/25	05/13/25	CAP
Manganese	**0.069**		mg/L	0.010	0.0029	1	371213	05/13/25	05/13/25	CAP
Potassium	**6.3**		mg/L	0.50	0.40	1	371213	05/13/25	05/14/25	CAP
Sodium	**590**		mg/L	0.50	0.35	1	371213	05/13/25	05/13/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
Chloroethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Acetone	ND		ug/L	100	8.8	1	371296	05/14/25	05/14/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Methylene Chloride	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
2-Butanone	ND		ug/L	100	0.9	1	371296	05/14/25	05/14/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Chloroform	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 532904

532904-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Trichloroethene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Dibromomethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	371296	05/14/25	05/14/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	371296	05/14/25	05/14/25	EJB
o-Xylene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Styrene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Bromoform	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Propylbenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Bromobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Xylene (total)	ND		ug/L	5.0		1	371296	05/14/25	05/14/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	93%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane-d4	98%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Toluene-d8	105%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 532904

532904-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371746	05/19/25	05/19/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.8**		mg/L	1.0	0.68	1	371858	05/20/25	05/21/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**310**		mg/L	10		5	371695	05/17/25	05/17/25	WWC
Alkalinity, Total as CaCO3	**310**		mg/L	10		5	371695	05/17/25	05/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,800**		mg/L	40		4	371485	05/15/25	05/18/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 532904

Sample ID: DW-9	Lab ID: 532904-003	Collected: 05/12/25 12:20
	Matrix: Water	

532904-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**2.1**		mg/L	0.20	0.072	1	371207	05/13/25 15:00	05/13/25 20:31	KUM
Chloride	**80**		mg/L	1.0	0.27	1	371207	05/13/25 15:00	05/13/25 20:31	KUM
Bromide	**0.27**	J	mg/L	0.30	0.060	1	371207	05/13/25 15:00	05/13/25 20:31	KUM
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.05	1	371207	05/13/25 15:00	05/13/25 20:31	KUM
Sulfate	**690**		mg/L	10	2.5	10	371207	05/13/25 15:00	05/13/25 20:52	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.051**	J	mg/L	0.10	0.050	1	371452	05/15/25	05/16/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**12**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.59**		mg/L	0.050	0.0055	1	371213	05/13/25	05/13/25	CAP
Calcium	**22**		mg/L	0.57	0.57	1	371213	05/13/25	05/13/25	CAP
Iron	ND		mg/L	0.046	0.046	1	371213	05/13/25	05/13/25	CAP
Magnesium	**2.2**		mg/L	0.10	0.025	1	371213	05/13/25	05/13/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	371213	05/13/25	05/13/25	CAP
Potassium	**1.3**		mg/L	0.50	0.40	1	371213	05/13/25	05/14/25	CAP
Sodium	**380**		mg/L	0.50	0.35	1	371213	05/13/25	05/13/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
Chloroethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Acetone	ND		ug/L	100	8.8	1	371296	05/14/25	05/14/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Methylene Chloride	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
2-Butanone	ND		ug/L	100	0.9	1	371296	05/14/25	05/14/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Chloroform	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 532904

532904-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Trichloroethene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Dibromomethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	371296	05/14/25	05/14/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	371296	05/14/25	05/14/25	EJB
o-Xylene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Styrene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Bromoform	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Propylbenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Bromobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Xylene (total)	ND		ug/L	5.0		1	371296	05/14/25	05/14/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane-d4	98%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Toluene-d8	104%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 532904

532904-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371746	05/19/25	05/19/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	371858	05/20/25	05/21/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**150**		mg/L	5.0		2.5	371695	05/17/25	05/17/25	WWC
Alkalinity, Total as CaCO3	**150**		mg/L	5.0		2.5	371695	05/17/25	05/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	371485	05/15/25	05/18/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 532904

Sample ID: DW-31	Lab ID: 532904-004	Collected: 05/12/25 13:26
	Matrix: Water	

532904-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.27**		mg/L	0.20	0.072	1	371207	05/13/25 15:00	05/13/25 21:13	KUM
Chloride	**87**		mg/L	1.0	0.27	1	371207	05/13/25 15:00	05/13/25 21:13	KUM
Bromide	**0.49**		mg/L	0.30	0.060	1	371207	05/13/25 15:00	05/13/25 21:13	KUM
Nitrogen, Nitrate	**0.59**		mg/L	0.10	0.05	1	371207	05/13/25 15:00	05/13/25 21:13	KUM
Sulfate	**370**		mg/L	10	2.5	10	371207	05/13/25 15:00	05/13/25 21:34	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.060**	J	mg/L	0.10	0.050	1	371452	05/15/25	05/16/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**37**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.58**		mg/L	0.050	0.0055	1	371213	05/13/25	05/13/25	CAP
Calcium	**200**		mg/L	0.57	0.57	1	371213	05/13/25	05/13/25	CAP
Iron	**0.12**		mg/L	0.046	0.046	1	371213	05/13/25	05/13/25	CAP
Magnesium	**37**		mg/L	0.10	0.025	1	371213	05/13/25	05/13/25	CAP
Manganese	**0.15**		mg/L	0.010	0.0029	1	371213	05/13/25	05/13/25	CAP
Potassium	**1.4**		mg/L	0.50	0.40	1	371213	05/13/25	05/14/25	CAP
Sodium	**120**		mg/L	0.50	0.35	1	371213	05/13/25	05/13/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
Chloroethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Acetone	ND		ug/L	100	8.8	1	371296	05/14/25	05/14/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Methylene Chloride	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
2-Butanone	ND		ug/L	100	0.9	1	371296	05/14/25	05/14/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Chloroform	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 532904

532904-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Trichloroethene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Dibromomethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	371296	05/14/25	05/14/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	371296	05/14/25	05/14/25	EJB
o-Xylene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Styrene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Bromoform	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Propylbenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Bromobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Xylene (total)	ND		ug/L	5.0		1	371296	05/14/25	05/14/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	94%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane-d4	98%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Toluene-d8	104%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 532904

532904-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**6.5**		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371746	05/19/25	05/19/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**12**		mg/L	1.0	0.68	1	371858	05/20/25	05/21/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**480**		mg/L	5.0		2.5	371695	05/17/25	05/17/25	WWC
Alkalinity, Total as CaCO3	**480**		mg/L	5.0		2.5	371695	05/17/25	05/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	371485	05/15/25	05/18/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 532904

Sample ID: QCFB	Lab ID: 532904-005	Collected: 05/12/25 10:57
	Matrix: Water	

532904-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Bromomethane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
Chloroethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Acetone	ND		ug/L	100	8.8	1	371296	05/14/25	05/14/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Methylene Chloride	**2.5**	J	ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
2-Butanone	ND		ug/L	100	0.9	1	371296	05/14/25	05/14/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Chloroform	**0.7**	J	ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Benzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Trichloroethene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Dibromomethane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	371296	05/14/25	05/14/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	371296	05/14/25	05/14/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	371296	05/14/25	05/14/25	EJB
o-Xylene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Styrene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Bromoform	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 532904

532904-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
Propylbenzene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
Bromobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	371296	05/14/25	05/14/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	371296	05/14/25	05/14/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.08	1	371296	05/14/25	05/14/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	371296	05/14/25	05/14/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	371296	05/14/25	05/14/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	371296	05/14/25	05/14/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	371296	05/14/25	05/14/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	371296	05/14/25	05/14/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	371296	05/14/25	05/14/25	EJB
Xylene (total)	ND		ug/L	5.0		1	371296	05/14/25	05/14/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
1,2-Dichloroethane-d4	99%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Toluene-d8	105%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	371296	05/14/25	05/14/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 532904

Sample ID: QCTB	Lab ID: 532904-006	Collected: 05/12/25
	Matrix: Water	

532904-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND	H	ug/L	5.0	0.5	1	372134	05/23/25	05/23/25	LYZ
Freon 12	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
Chloromethane	ND	H	ug/L	5.0	0.3	1	372134	05/23/25	05/23/25	LYZ
Vinyl Chloride	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Bromomethane	ND	H	ug/L	5.0	0.4	1	372134	05/23/25	05/23/25	LYZ
Chloroethane	ND	H,b	ug/L	5.0	0.3	1	372134	05/23/25	05/23/25	LYZ
Trichlorofluoromethane	ND	H	ug/L	5.0	0.08	1	372134	05/23/25	05/23/25	LYZ
Acetone	ND	H	ug/L	100	21	1	372134	05/23/25	05/23/25	LYZ
Freon 113	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,1-Dichloroethene	ND	H	ug/L	5.0	0.08	1	372134	05/23/25	05/23/25	LYZ
Methylene Chloride	ND	H	ug/L	5.0	2.4	1	372134	05/23/25	05/23/25	LYZ
MTBE	ND	H	ug/L	5.0	0.09	1	372134	05/23/25	05/23/25	LYZ
trans-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,1-Dichloroethane	ND	H	ug/L	5.0	0.09	1	372134	05/23/25	05/23/25	LYZ
2-Butanone	ND	H	ug/L	100	1.7	1	372134	05/23/25	05/23/25	LYZ
cis-1,2-Dichloroethene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
2,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Chloroform	**0.6**	H,J	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Bromochloromethane	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
1,1,1-Trichloroethane	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,1-Dichloropropene	ND	H	ug/L	5.0	0.08	1	372134	05/23/25	05/23/25	LYZ
Carbon Tetrachloride	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,2-Dichloroethane	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
Benzene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Trichloroethene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
1,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Bromodichloromethane	ND	H	ug/L	5.0	0.08	1	372134	05/23/25	05/23/25	LYZ
Dibromomethane	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
4-Methyl-2-Pentanone	ND	H	ug/L	5.0	1.0	1	372134	05/23/25	05/23/25	LYZ
cis-1,3-Dichloropropene	ND	H	ug/L	5.0	0.06	1	372134	05/23/25	05/23/25	LYZ
Toluene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
trans-1,3-Dichloropropene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,1,2-Trichloroethane	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
1,3-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Tetrachloroethene	ND	H	ug/L	5.0	0.09	1	372134	05/23/25	05/23/25	LYZ
Dibromochloromethane	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,2-Dibromoethane	ND	H	ug/L	5.0	0.07	1	372134	05/23/25	05/23/25	LYZ
Chlorobenzene	ND	H	ug/L	5.0	0.09	1	372134	05/23/25	05/23/25	LYZ
1,1,1,2-Tetrachloroethane	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Ethylbenzene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
m,p-Xylenes	ND	H	ug/L	10	0.2	1	372134	05/23/25	05/23/25	LYZ
o-Xylene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Styrene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
Bromoform	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
Isopropylbenzene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 532904

532904-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
1,2,3-Trichloropropane	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
Propylbenzene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
Bromobenzene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,3,5-Trimethylbenzene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
2-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
4-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
tert-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
1,2,4-Trimethylbenzene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
sec-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
para-Isopropyl Toluene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
1,3-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,4-Dichlorobenzene	ND	H	ug/L	5.0	0.2	1	372134	05/23/25	05/23/25	LYZ
n-Butylbenzene	ND	H	ug/L	5.0	0.4	1	372134	05/23/25	05/23/25	LYZ
1,2-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372134	05/23/25	05/23/25	LYZ
1,2-Dibromo-3-Chloropropane	ND	H	ug/L	5.0	0.3	1	372134	05/23/25	05/23/25	LYZ
1,2,4-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372134	05/23/25	05/23/25	LYZ
Hexachlorobutadiene	ND	H	ug/L	5.0	0.4	1	372134	05/23/25	05/23/25	LYZ
Naphthalene	ND	H	ug/L	5.0	0.3	1	372134	05/23/25	05/23/25	LYZ
1,2,3-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372134	05/23/25	05/23/25	LYZ
cis-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.4	1	372134	05/23/25	05/23/25	LYZ
trans-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.3	1	372134	05/23/25	05/23/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	372134	05/23/25	05/23/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	115%		%REC	70-130		1	372134	05/23/25	05/23/25	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-130		1	372134	05/23/25	05/23/25	LYZ
Toluene-d8	105%		%REC	70-130		1	372134	05/23/25	05/23/25	LYZ
Bromofluorobenzene	103%		%REC	70-130		1	372134	05/23/25	05/23/25	LYZ

H Holding time was exceeded
J Estimated value
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1256928	**Batch:** 371207
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1256928 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.072	05/13/25 15:00	05/13/25 15:18
Chloride	ND		mg/L	1.0	0.27	05/13/25 15:00	05/13/25 15:18
Bromide	ND		mg/L	0.30	0.060	05/13/25 15:00	05/13/25 15:18
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	05/13/25 15:00	05/13/25 15:18
Sulfate	ND		mg/L	1.0	0.25	05/13/25 15:00	05/13/25 15:18

Type: Lab Control Sample	**Lab ID:** QC1256929	**Batch:** 371207
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1256929 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.035	10.00	mg/L	90%		90-110
Chloride	47.35	50.00	mg/L	95%		90-110
Bromide	14.99	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.568	4.518	mg/L	101%		90-110
Sulfate	25.22	25.00	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC1256955	**Batch:** 371207
Matrix (Source ID): Water (532914-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1256955 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	22.11	0.7953	20.00	mg/L	107%		80-120	1
Chloride	111.2	8.717	100.0	mg/L	102%		80-120	1
Bromide	15.23	ND	15.00	mg/L	102%		80-120	1
Nitrogen, Nitrate	9.391	0.08229	9.036	mg/L	103%		80-120	1
Sulfate	61.96	11.33	50.00	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1256956	**Batch:** 371207
Matrix (Source ID): Water (532914-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1256956 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	22.27	0.7953	20.00	mg/L	107%		80-120	1	20	1
Chloride	111.5	8.717	100.0	mg/L	103%		80-120	0	20	1
Bromide	15.33	ND	15.00	mg/L	102%		80-120	1	20	1
Nitrogen, Nitrate	9.410	0.08229	9.036	mg/L	103%		80-120	0	20	1
Sulfate	62.04	11.33	50.00	mg/L	101%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1257717	Batch:	371452
Matrix (Source ID):	Water (532857-002)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1257717 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.096	ND	1.000	mg/L	110%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1257718	Batch:	371452
Matrix (Source ID):	Water (532857-002)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1257718 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.053	ND	1.000	mg/L	105%		90-110	4	20	1

Type:	Matrix Spike	Lab ID:	QC1257719	Batch:	371452
Matrix (Source ID):	Water (532857-003)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1257719 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.116	0.09377	1.000	mg/L	102%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1257720	Batch:	371452
Matrix (Source ID):	Water (532857-003)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1257720 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.134	0.09377	1.000	mg/L	104%		90-110	2	20	1

Type:	Blank	Lab ID:	QC1257721	Batch:	371452
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1257721 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	05/15/25	05/16/25

Type:	Lab Control Sample	Lab ID:	QC1257722	Batch:	371452
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1257722 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.082	1.000	mg/L	108%		90-110

Type:	Blank	Lab ID:	QC1258937	Batch:	371828
Matrix:	Drinking Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1258937 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	05/20/25	05/21/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1258939**	**Batch:**	**371828**
Matrix:	**Drinking Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1258939 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.035	1.000	mg/L	104%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1258942**	**Batch:**	**371828**
Matrix (Source ID):	**Water (532904-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1258942 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.391	0.3277	1.000	mg/L	106%		90-110	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1258943**	**Batch:**	**371828**
Matrix (Source ID):	**Water (532904-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1258943 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.394	0.3277	1.000	mg/L	107%		90-110	0	20	1

Type:	**Blank**	**Lab ID:**	**QC1259838**	**Batch:**	**372078**
Matrix:	**Water**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1259838 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/22/25	05/23/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1259839**	**Batch:**	**372078**
Matrix:	**Water**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1259839 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	110.0	100.0	mg/L	110%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1259840**	**Batch:**	**372078**
Matrix (Source ID):	**Water (533035-004)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1259840 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	120.0	8.000	100.0	mg/L	112%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1259841**	**Batch:**	**372078**
Matrix (Source ID):	**Water (533035-004)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1259841 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	114.0	8.000	100.0	mg/L	106%		75-125	5	20	2

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1259842	Batch:	372078
Matrix (Source ID):	Water (533265-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259842 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	112.0	8.000	100.0	mg/L	104%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1259843	Batch:	372078
Matrix (Source ID):	Water (533265-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259843 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	116.0	8.000	100.0	mg/L	108%		75-125	4	20	2

Type:	Blank	Lab ID:	QC1256951	Batch:	371213
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1256951 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	05/13/25	05/13/25
Calcium	ND		mg/L	0.57	0.57	05/13/25	05/13/25
Iron	ND		mg/L	0.046	0.046	05/13/25	05/13/25
Magnesium	ND		mg/L	0.10	0.025	05/13/25	05/13/25
Manganese	ND		mg/L	0.010	0.0029	05/13/25	05/13/25
Potassium	ND		mg/L	0.50	0.40	05/13/25	05/14/25
Sodium	ND		mg/L	0.50	0.35	05/13/25	05/13/25

Type:	Lab Control Sample	Lab ID:	QC1256952	Batch:	371213
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1256952 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3586	0.4000	mg/L	90%		80-120
Calcium	18.92	20.40	mg/L	93%		80-120
Iron	0.3684	0.4000	mg/L	92%		80-120
Magnesium	18.88	20.40	mg/L	93%		80-120
Manganese	0.3611	0.4000	mg/L	90%		80-120
Potassium	21.57	24.00	mg/L	90%		80-120
Sodium	18.53	20.40	mg/L	91%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1256953	Batch:	371213
Matrix (Source ID):	Water (532904-004)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1256953 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.9341	0.5824	0.4000	mg/L	88%		75-125	1
Calcium	214.6	197.3	20.40	mg/L	85%	NM	75-125	1
Iron	0.4847	0.1237	0.4000	mg/L	90%		75-125	1
Magnesium	55.11	36.71	20.40	mg/L	90%		75-125	1
Manganese	0.4990	0.1468	0.4000	mg/L	88%		75-125	1
Potassium	23.63	1.437	24.00	mg/L	92%		75-125	1
Sodium	140.4	122.9	20.40	mg/L	86%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1256954	Batch:	371213
Matrix (Source ID):	Water (532904-004)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1256954 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.9303	0.5824	0.4000	mg/L	87%		75-125	0	20	1
Calcium	215.0	197.3	20.40	mg/L	86%	NM	75-125	0	20	1
Iron	0.4827	0.1237	0.4000	mg/L	90%		75-125	0	20	1
Magnesium	55.12	36.71	20.40	mg/L	90%		75-125	0	20	1
Manganese	0.4936	0.1468	0.4000	mg/L	87%		75-125	1	20	1
Potassium	23.23	1.437	24.00	mg/L	91%		75-125	2	20	1
Sodium	139.9	122.9	20.40	mg/L	83%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1257044	Batch:	371213
Matrix (Source ID):	Water (532904-004)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1257044 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.5818	0.5824	mg/L				5
Calcium	196.2	197.3	mg/L				5
Iron	ND	0.1237	mg/L				5
Magnesium	37.03	36.71	mg/L				5
Manganese	0.1447	0.1468	mg/L				5
Potassium	ND	1.437	mg/L				5
Sodium	122.0	122.9	mg/L				5

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Batch QC

Type: Lab Control Sample	Lab ID: QC1257232	Batch: 371296
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1257232 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	44.12	50.00	ug/L	88%		70-135
MTBE	45.73	50.00	ug/L	91%		70-130
Benzene	47.05	50.00	ug/L	94%		70-130
Trichloroethene	51.49	50.00	ug/L	103%		70-130
Toluene	52.49	50.00	ug/L	105%		70-130
Chlorobenzene	52.50	50.00	ug/L	105%		70-130
Surrogates						
Dibromofluoromethane	46.63	50.00	ug/L	93%		70-130
1,2-Dichloroethane-d4	46.51	50.00	ug/L	93%		70-130
Toluene-d8	53.02	50.00	ug/L	106%		70-130
Bromofluorobenzene	50.83	50.00	ug/L	102%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1257233	Batch: 371296
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1257233 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	40.34	50.00	ug/L	81%		70-135	9	30
MTBE	44.50	50.00	ug/L	89%		70-130	3	30
Benzene	43.54	50.00	ug/L	87%		70-130	8	30
Trichloroethene	47.33	50.00	ug/L	95%		70-130	8	30
Toluene	47.52	50.00	ug/L	95%		70-130	10	30
Chlorobenzene	47.45	50.00	ug/L	95%		70-130	10	30
Surrogates								
Dibromofluoromethane	46.27	50.00	ug/L	93%		70-130		
1,2-Dichloroethane-d4	46.82	50.00	ug/L	94%		70-130		
Toluene-d8	52.49	50.00	ug/L	105%		70-130		
Bromofluorobenzene	51.07	50.00	ug/L	102%		70-130		

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Batch QC

Type: Blank	**Lab ID:** QC1257237	**Batch:** 371296	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1257237 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.2	05/14/25	05/14/25
Freon 12	ND		ug/L	5.0	0.2	05/14/25	05/14/25
Chloromethane	ND		ug/L	5.0	0.1	05/14/25	05/14/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/14/25	05/14/25
Bromomethane	ND		ug/L	5.0	0.3	05/14/25	05/14/25
Chloroethane	ND		ug/L	5.0	0.05	05/14/25	05/14/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	05/14/25	05/14/25
Acetone	ND		ug/L	100	8.8	05/14/25	05/14/25
Freon 113	ND		ug/L	5.0	0.1	05/14/25	05/14/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	05/14/25	05/14/25
Methylene Chloride	ND		ug/L	5.0	0.2	05/14/25	05/14/25
MTBE	ND		ug/L	5.0	0.1	05/14/25	05/14/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/14/25	05/14/25
1,1-Dichloroethane	ND		ug/L	5.0	0.07	05/14/25	05/14/25
2-Butanone	ND		ug/L	100	0.9	05/14/25	05/14/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	05/14/25	05/14/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	05/14/25	05/14/25
Chloroform	ND		ug/L	5.0	0.07	05/14/25	05/14/25
Bromochloromethane	ND		ug/L	5.0	0.1	05/14/25	05/14/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	05/14/25	05/14/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	05/14/25	05/14/25
Carbon Tetrachloride	ND		ug/L	5.0	0.07	05/14/25	05/14/25
1,2-Dichloroethane	ND		ug/L	5.0	0.09	05/14/25	05/14/25
Benzene	ND		ug/L	5.0	0.07	05/14/25	05/14/25
Trichloroethene	ND		ug/L	5.0	0.05	05/14/25	05/14/25
1,2-Dichloropropane	ND		ug/L	5.0	0.07	05/14/25	05/14/25
Bromodichloromethane	ND		ug/L	5.0	0.05	05/14/25	05/14/25
Dibromomethane	ND		ug/L	5.0	0.1	05/14/25	05/14/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	05/14/25	05/14/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	05/14/25	05/14/25
Toluene	ND		ug/L	5.0	0.05	05/14/25	05/14/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	05/14/25	05/14/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	05/14/25	05/14/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	05/14/25	05/14/25
Tetrachloroethene	ND		ug/L	5.0	0.09	05/14/25	05/14/25
Dibromochloromethane	ND		ug/L	5.0	0.07	05/14/25	05/14/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	05/14/25	05/14/25
Chlorobenzene	ND		ug/L	5.0	0.05	05/14/25	05/14/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	05/14/25	05/14/25
Ethylbenzene	ND		ug/L	5.0	0.04	05/14/25	05/14/25
m,p-Xylenes	ND		ug/L	10	0.1	05/14/25	05/14/25
o-Xylene	ND		ug/L	5.0	0.06	05/14/25	05/14/25
Styrene	ND		ug/L	5.0	0.06	05/14/25	05/14/25
Bromoform	ND		ug/L	5.0	0.08	05/14/25	05/14/25
Isopropylbenzene	ND		ug/L	5.0	0.06	05/14/25	05/14/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	05/14/25	05/14/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	05/14/25	05/14/25

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Batch QC

QC1257237 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.05	05/14/25	05/14/25
Bromobenzene	ND		ug/L	5.0	0.06	05/14/25	05/14/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	05/14/25	05/14/25
2-Chlorotoluene	ND		ug/L	5.0	0.07	05/14/25	05/14/25
4-Chlorotoluene	ND		ug/L	5.0	0.08	05/14/25	05/14/25
tert-Butylbenzene	ND		ug/L	5.0	0.07	05/14/25	05/14/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	05/14/25	05/14/25
sec-Butylbenzene	ND		ug/L	5.0	0.06	05/14/25	05/14/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	05/14/25	05/14/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	05/14/25	05/14/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	05/14/25	05/14/25
n-Butylbenzene	ND		ug/L	5.0	0.08	05/14/25	05/14/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	05/14/25	05/14/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	05/14/25	05/14/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	05/14/25	05/14/25
Hexachlorobutadiene	ND		ug/L	5.0	0.06	05/14/25	05/14/25
Naphthalene	ND		ug/L	5.0	0.3	05/14/25	05/14/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	05/14/25	05/14/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	05/14/25	05/14/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	05/14/25	05/14/25
Xylene (total)	ND		ug/L	5.0		05/14/25	05/14/25
Surrogates				**Limits**			
Dibromofluoromethane	96%		%REC	70-130		05/14/25	05/14/25
1,2-Dichloroethane-d4	99%		%REC	70-130		05/14/25	05/14/25
Toluene-d8	105%		%REC	70-130		05/14/25	05/14/25
Bromofluorobenzene	99%		%REC	70-130		05/14/25	05/14/25

Type: Matrix Spike **Lab ID:** QC1257313 **Batch:** 371296
Matrix (Source ID): Water (532904-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1257313 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	14.91	ND	20.00	ug/L	75%		70-130	1
MTBE	16.93	ND	20.00	ug/L	85%		75-130	1
Benzene	16.71	ND	20.00	ug/L	84%		70-130	1
Trichloroethene	19.04	ND	20.00	ug/L	95%		63-130	1
Toluene	18.93	ND	20.00	ug/L	95%		70-130	1
Chlorobenzene	18.99	ND	20.00	ug/L	95%		70-130	1
Surrogates								
Dibromofluoromethane	46.59		50.00	ug/L	93%		70-130	1
1,2-Dichloroethane-d4	47.41		50.00	ug/L	95%		70-130	1
Toluene-d8	53.32		50.00	ug/L	107%		70-130	1
Bromofluorobenzene	50.08		50.00	ug/L	100%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1257314	Batch:	371296
Matrix (Source ID):	Water (532904-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1257314 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	15.57	ND	20.00	ug/L	78%		70-130	4	30	1
MTBE	17.11	ND	20.00	ug/L	86%		75-130	1	30	1
Benzene	17.28	ND	20.00	ug/L	86%		70-130	3	30	1
Trichloroethene	19.54	ND	20.00	ug/L	98%		63-130	3	30	1
Toluene	19.47	ND	20.00	ug/L	97%		70-130	3	30	1
Chlorobenzene	19.56	ND	20.00	ug/L	98%		70-130	3	30	1
Surrogates										
Dibromofluoromethane	45.93		50.00	ug/L	92%		70-130			1
1,2-Dichloroethane-d4	47.12		50.00	ug/L	94%		70-130			1
Toluene-d8	53.73		50.00	ug/L	107%		70-130			1
Bromofluorobenzene	49.22		50.00	ug/L	98%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1260031	Batch:	372134
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1260031 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	59.19	50.00	ug/L	118%		70-135
MTBE	57.71	50.00	ug/L	115%		70-130
Benzene	51.49	50.00	ug/L	103%		70-130
Trichloroethene	52.20	50.00	ug/L	104%		70-130
Toluene	52.66	50.00	ug/L	105%		70-130
Chlorobenzene	54.86	50.00	ug/L	110%		70-130
Surrogates						
Dibromofluoromethane	57.88	50.00	ug/L	116%		70-130
1,2-Dichloroethane-d4	49.07	50.00	ug/L	98%		70-130
Toluene-d8	50.30	50.00	ug/L	101%		70-130
Bromofluorobenzene	47.99	50.00	ug/L	96%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1260032	Batch:	372134
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1260032 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	58.10	50.00	ug/L	116%		70-135	2	30
MTBE	57.37	50.00	ug/L	115%		70-130	1	30
Benzene	50.97	50.00	ug/L	102%		70-130	1	30
Trichloroethene	53.12	50.00	ug/L	106%		70-130	2	30
Toluene	52.90	50.00	ug/L	106%		70-130	0	30
Chlorobenzene	55.25	50.00	ug/L	110%		70-130	1	30
Surrogates								
Dibromofluoromethane	56.13	50.00	ug/L	112%		70-130		
1,2-Dichloroethane-d4	49.11	50.00	ug/L	98%		70-130		
Toluene-d8	50.80	50.00	ug/L	102%		70-130		
Bromofluorobenzene	48.06	50.00	ug/L	96%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1260036	**Batch:** 372134	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1260036 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	05/23/25	05/23/25
Freon 12	ND		ug/L	5.0	0.2	05/23/25	05/23/25
Chloromethane	ND		ug/L	5.0	0.3	05/23/25	05/23/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Bromomethane	ND		ug/L	5.0	0.4	05/23/25	05/23/25
Chloroethane	ND		ug/L	5.0	0.3	05/23/25	05/23/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	05/23/25	05/23/25
Acetone	ND		ug/L	100	21	05/23/25	05/23/25
Freon 113	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	05/23/25	05/23/25
Methylene Chloride	ND		ug/L	5.0	2.4	05/23/25	05/23/25
MTBE	ND		ug/L	5.0	0.09	05/23/25	05/23/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	05/23/25	05/23/25
2-Butanone	ND		ug/L	100	1.7	05/23/25	05/23/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Chloroform	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/23/25	05/23/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	05/23/25	05/23/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/23/25	05/23/25
Benzene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Trichloroethene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Bromodichloromethane	ND		ug/L	5.0	0.08	05/23/25	05/23/25
Dibromomethane	ND		ug/L	5.0	0.2	05/23/25	05/23/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	05/23/25	05/23/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	05/23/25	05/23/25
Toluene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/23/25	05/23/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Tetrachloroethene	ND		ug/L	5.0	0.09	05/23/25	05/23/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	05/23/25	05/23/25
Chlorobenzene	ND		ug/L	5.0	0.09	05/23/25	05/23/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
m,p-Xylenes	ND		ug/L	10	0.2	05/23/25	05/23/25
o-Xylene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Styrene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
Bromoform	ND		ug/L	5.0	0.2	05/23/25	05/23/25
Isopropylbenzene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/23/25	05/23/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/23/25	05/23/25

ENTHALPY ANALYTICAL

Batch QC

QC1260036 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
Bromobenzene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/23/25	05/23/25
n-Butylbenzene	ND		ug/L	5.0	0.4	05/23/25	05/23/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/23/25	05/23/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	05/23/25	05/23/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	05/23/25	05/23/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	05/23/25	05/23/25
Naphthalene	ND		ug/L	5.0	0.3	05/23/25	05/23/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	05/23/25	05/23/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	05/23/25	05/23/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	05/23/25	05/23/25
Xylene (total)	ND		ug/L	5.0		05/23/25	05/23/25
Surrogates				**Limits**			
Dibromofluoromethane	115%		%REC	70-130		05/23/25	05/23/25
1,2-Dichloroethane-d4	98%		%REC	70-130		05/23/25	05/23/25
Toluene-d8	105%		%REC	70-130		05/23/25	05/23/25
Bromofluorobenzene	102%		%REC	70-130		05/23/25	05/23/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1260073**	**Batch:**	**372134**
Matrix (Source ID):	**Water (533402-002)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260073 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	110.2	8.426	100.0	ug/L	102%		70-130	5
MTBE	94.86	ND	100.0	ug/L	95%		75-130	5
Benzene	92.43	ND	100.0	ug/L	92%		70-130	5
Trichloroethene	97.36	ND	100.0	ug/L	97%		63-130	5
Toluene	95.33	ND	100.0	ug/L	95%		70-130	5
Chlorobenzene	99.39	ND	100.0	ug/L	99%		70-130	5
Surrogates								
Dibromofluoromethane	281.4		250.0	ug/L	113%		70-130	5
1,2-Dichloroethane-d4	242.4		250.0	ug/L	97%		70-130	5
Toluene-d8	259.5		250.0	ug/L	104%		70-130	5
Bromofluorobenzene	246.3		250.0	ug/L	99%		70-130	5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1260074	Batch:	372134
Matrix (Source ID):	Water (533402-002)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1260074 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	116.8	8.426	100.0	ug/L	108%		70-130	6	30	5
MTBE	102.2	ND	100.0	ug/L	102%		75-130	7	30	5
Benzene	97.30	ND	100.0	ug/L	97%		70-130	5	30	5
Trichloroethene	98.09	ND	100.0	ug/L	98%		63-130	1	30	5
Toluene	97.66	ND	100.0	ug/L	98%		70-130	2	30	5
Chlorobenzene	101.0	ND	100.0	ug/L	101%		70-130	2	30	5
Surrogates										
Dibromofluoromethane	295.5		250.0	ug/L	118%		70-130			5
1,2-Dichloroethane-d4	249.9		250.0	ug/L	100%		70-130			5
Toluene-d8	252.7		250.0	ug/L	101%		70-130			5
Bromofluorobenzene	246.0		250.0	ug/L	98%		70-130			5

Type:	Blank	Lab ID:	QC1258160	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	05/16/25	05/17/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		05/16/25	05/17/25

Type:	Lab Control Sample	Lab ID:	QC1258161	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.28	10.00	ug/L	103%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.14	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1258162	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.938	10.00	ug/L	99%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.839	10.00	ug/L	98%		80-120		

Type:	Blank	Lab ID:	QC1258632	Batch:	371746
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1258632 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		05/19/25	05/19/25

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1258633**	**Batch:**	**371746**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1258633 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1258636**	**Batch:**	**371746**
Matrix (Source ID):	**Drinking Water (532877-003)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1258636 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1258637**	**Batch:**	**371746**
Matrix (Source ID):	**Drinking Water (532877-003)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1258637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC1259105**	**Batch:**	**371858**
Matrix:	**Water**	**Method:**	**SM 5310B**	**Prep Method:**	**SM 5310B**

QC1259105 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	05/20/25	05/20/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1259106**	**Batch:**	**371858**
Matrix:	**Water**	**Method:**	**SM 5310B**	**Prep Method:**	**SM 5310B**

QC1259106 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	22.89	25.00	mg/L	92%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC1259111**	**Batch:**	**371858**
Matrix (Source ID):	**Water (532753-003)**	**Method:**	**SM 5310B**	**Prep Method:**	**SM 5310B**

QC1259111 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	27.34	1.229	25.00	mg/L	104%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1259112**	**Batch:**	**371858**
Matrix (Source ID):	**Water (532753-003)**	**Method:**	**SM 5310B**	**Prep Method:**	**SM 5310B**

QC1259112 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	28.43	1.229	25.00	mg/L	109%		75-125	4	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1258532** **Batch: 371695**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1258532 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		05/17/25	05/17/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		05/17/25	05/17/25

Type: Lab Control Sample **Lab ID: QC1258533** **Batch: 371695**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1258533 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	954.7	1000	mg/L	95%		90-110

Type: Sample Duplicate **Lab ID: QC1258534** **Batch: 371695**
Matrix (Source ID): Water (533031-006) **Method: SM2320B** **Prep Method: METHOD**

QC1258534 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	465.1	467.9	mg/L		1	20	5
Alkalinity, Total as CaCO3	465.1	467.9	mg/L		1	20	5

Type: Blank **Lab ID: QC1257813** **Batch: 371485**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1257813 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		05/15/25	05/18/25

Type: Lab Control Sample **Lab ID: QC1257814** **Batch: 371485**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1257814 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,012	1000	mg/L	101%		90-110

Type: Sample Duplicate **Lab ID: QC1257815** **Batch: 371485**
Matrix (Source ID): Water (532904-001) **Method: SM2540C** **Prep Method: METHOD**

QC1257815 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,162	1152	mg/L		1	5	2

Type: Sample Duplicate **Lab ID: QC1257816** **Batch: 371485**
Matrix (Source ID): Water (532926-008) **Method: SM2540C** **Prep Method: METHOD**

QC1257816 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	3,900	3956	mg/L		1	5	4

Batch QC

ND Not Detected
NM Not Meaningful

Laboratory Job Number 532904

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2505A19

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-532904

Project Location:
Project Received: 05/15/2025

Analytical Report reviewed & approved for release on 05/20/2025 by:

Tracy Babjar
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505A19

Project: EO-532904

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505A19

Project: EO-532904

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505A19
Date Received:	05/15/2025 12:04	**Extraction Method:**	RSK175
Date Prepared:	05/19/2025	**Analytical Method:**	RSK175
Project:	EO-532904	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-28	2505A19-001A	Water	05/12/2025 09:22	GC26 0519250604.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**840**	50	50	1	05/19/2025 07:32

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-8	2505A19-002A	Water	05/12/2025 10:55	GC26 0519250605.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**31,000**	2500	2500	50	05/19/2025 07:59

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-9	2505A19-003A	Water	05/12/2025 12:20	GC26 0519250606.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**810**	50	50	1	05/19/2025 08:29

Analyst(s): PRE

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505A19
Date Received:	05/15/2025 12:04	**Extraction Method:**	RSK175
Date Prepared:	05/19/2025	**Analytical Method:**	RSK175
Project:	EO-532904	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2505A19-004A	Water	05/12/2025 13:26	GC26 0519250607.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**60,000**	2500	2500	50	05/19/2025 09:36

Analyst(s): PRE

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505A19
Date Prepared:	05/19/2025	**BatchID:**	317644
Date Analyzed:	05/19/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-532904	**Sample ID:**	MB/LCS/LCSD-317644

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	73	75	70-130	2.85	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2505A19 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☒ EQuIS ☒ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☒ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-532904

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **05/15/2025**
Date Logged: **05/15/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2505A19-001	DW-28	Water	5/12/2025 09:22	☐	A	A										
2505A19-002	DW-8	Water	5/12/2025 10:55	☐	A	A										
2505A19-003	DW-9	Water	5/12/2025 12:20	☐	A	A										
2505A19-004	DW-31	Water	5/12/2025 13:26	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-532904
Comments:

Work Order: 2505A19
QC Level: LEVEL 2
Date Logged: 5/15/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-28	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/12/2025 9:22	2 days	5/19/2025	None	☐	☐
002A	DW-8	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/12/2025 10:55	2 days	5/19/2025	Present	☐	☐
003A	DW-9	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/12/2025 12:20	2 days	5/19/2025	None	☐	☐
004A	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/12/2025 13:26	2 days	5/19/2025	None	☐	☐

NOTES: *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2505A19

HOLD TIME RUSH

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243667
PO #: PO-079649

Enthalpy Order: EO-532904
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-28	12-MAY-2025 09:22	532904-001	3	Water	RSK-175 CO2	
DW-8	12-MAY-2025 10:55	532904-002	3	Water	RSK-175 CO2	
DW-9	12-MAY-2025 12:20	532904-003	3	Water	RSK-175 CO2	
DW-31	12-MAY-2025 13:26	532904-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Anna Kolcut	
	Date: 5-14-25 16:20	Date: 5.15.25 1204
	Date:	Date:
	Date:	Date:

1.5 wt.
IR43

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	5/15/2025 12:04
Project:	EO-532904	Date Logged:	5/15/2025
		Received by:	Adrianna Cardoza
WorkOrder №:	2505A19 Matrix: Water	Logged by:	Adrianna Cardoza
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☑	No	☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA ☐
Custody seals intact on sample bottles?	Yes	☑	No	☐	NA ☐
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 1.5°C				NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA ☐
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA ☑

Comments:

Page 48 of 48

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 533035
Report Level : II
Report Date : 05/29/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	533035 GW MONITORING Quarterly MPars 05/13/25

Sample ID	Lab ID	Collected	Matrix
DW-12	533035-001	05/13/25 08:38	Water
DW-7	533035-002	05/13/25 09:35	Water
DW-18	533035-003	05/13/25 10:37	Water
DW-21	533035-004	05/13/25 11:20	Water
DW-29	533035-005	05/13/25 12:35	Water
QCFB	533035-006	05/13/25 09:38	Water
QCTB	533035-007	05/13/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 533035 Project No: GW MONITORING Location: Quarterly MPars Date Received: 05/13/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 05/14/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCFB (lab # 533035-006) and QCTB (lab # 533035-007) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

- Ammonia-N was detected between the MDL and the RL in the method blank for batch 372054; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 533035

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

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(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 3.7 | 3.3 | 1.3 rad (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Login 533035

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-12	5/13/25	838	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-7		935				X	X	X	X	X	X	X	X	X
3	DW-18		1037				X	X	X	X	X	X	X	X	X
4	DW-21		1120				X	X	X	X	X	X	X	X	X
5	DW-29		1235				X	X	X	X	X	X	X	X	X
6	QCFB		938		3		X								
7	QCTB	—	—		2		X								
8															
9															
10															

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	5/13/25 1:36
[1] Received By:		ALICE TAHMASIAN	EA/NH	5/13/25 1:36
[2] Relinquished By:		Alice Tahmasian	EA/NH	5/14/25 0815
[2] Received By:		Hrag B.	EA-NH	5/14/25 0815
[3] Relinquished By:		Hrag B.	EA-NH	5/14/25 1115
[3] Received By:		G Kim	EA	5/14/25 1115

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 05-13-25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: walk in

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05-13-25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 11.7 / 11°C #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)**_____ **(sign)**_____

Date Labeled _____ **By (print)**_____ **(sign)**_____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 5/14/25 WO# 533035 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 5/14/25 By (initials) AGR Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 13 CF: 0

Cooler Temp (°C) #1: 3.3 / 3.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	x		
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?	x		
7) Does the container count match the CoC?	x		
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?	~~x~~	x	
10) Were samples received with > 1/2 holding time remaining?	~~x~~	x	
11) Are samples properly preserved as indicated by CoC / labels?	x		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?		x	

GCK 5/14/25

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.9) Samples out thru COS: TOC bottle not received.

4.13) QCTB: 1 of 2 vials > 6mm.

☐ **No additional discrepancies**

Date Logged 5/13/25 **By (print)** GCK **(sign)** _____

Date Labeled 5/13/25 **By (print)** ~~AGT~~ AGR **(sign)** _____

6"L

ENTHALPY ANALYTICAL

Analysis Results for 533035

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 533035
Project No: GW MONITORING
Location: Quarterly MPars
Date Received: 05/13/25

Sample ID: DW-12 **Lab ID: 533035-001** **Collected: 05/13/25 08:38**
Matrix: Water

533035-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.62**		mg/L	0.20	0.072	1	371329	05/14/25 13:10	05/14/25 21:07	KUM
Chloride	**190**		mg/L	1.0	0.27	1	371329	05/14/25 13:10	05/14/25 21:07	KUM
Bromide	**0.74**		mg/L	0.30	0.060	1	371329	05/14/25 13:10	05/14/25 21:07	KUM
Nitrogen, Nitrate	**3.6**		mg/L	0.10	0.05	1	371329	05/14/25 13:10	05/14/25 21:07	KUM
Sulfate	**300**		mg/L	10	2.5	10	371329	05/14/25 13:10	05/14/25 21:28	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.055**	B,J	mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**13**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**24**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	ND		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**3.0**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**1.7**		mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**280**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372217	05/24/25	05/24/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Acetone	ND		ug/L	100	21	1	372217	05/24/25	05/24/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372217	05/24/25	05/24/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372217	05/24/25	05/24/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

533035-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372217	05/24/25	05/24/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372217	05/24/25	05/24/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372217	05/24/25	05/24/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372217	05/24/25	05/24/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372217	05/24/25	05/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

533035-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	97%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Toluene-d8	106%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371821	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.1**		mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**160**		mg/L	10		5	371759	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**160**		mg/L	10		5	371759	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	371752	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

Sample ID: DW-7	Lab ID: 533035-002	Collected: 05/13/25 09:35
	Matrix: Water	

533035-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.17**	J	mg/L	0.20	0.072	1	371329	05/14/25 13:10	05/14/25 22:30	SSN
Chloride	**81**		mg/L	1.0	0.27	1	371329	05/14/25 13:10	05/14/25 22:30	SSN
Bromide	**0.17**	J	mg/L	0.30	0.060	1	371329	05/14/25 13:10	05/14/25 22:30	SSN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	371329	05/14/25 13:10	05/14/25 22:30	SSN
Sulfate	**650**		mg/L	10	2.5	10	371329	05/14/25 13:10	05/14/25 23:33	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**11**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.17**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**34**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	ND		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**1.6**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**1.1**		mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**330**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372217	05/24/25	05/24/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Acetone	ND		ug/L	100	21	1	372217	05/24/25	05/24/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372217	05/24/25	05/24/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372217	05/24/25	05/24/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

533035-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372217	05/24/25	05/24/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372217	05/24/25	05/24/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372217	05/24/25	05/24/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372217	05/24/25	05/24/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372217	05/24/25	05/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	105%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane-d4	96%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Toluene-d8	105%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533035

533035-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371821	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.90**	J	mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**99**		mg/L	2.5		1.3	371759	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**99**		mg/L	2.5		1.3	371759	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	371752	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533035

Sample ID: DW-18	Lab ID: 533035-003	Collected: 05/13/25 10:37
	Matrix: Water	

533035-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.25**		mg/L	0.20	0.072	1	371329	05/14/25 13:10	05/14/25 23:54	SSN
Chloride	**110**		mg/L	1.0	0.27	1	371329	05/14/25 13:10	05/14/25 23:54	SSN
Bromide	**0.31**		mg/L	0.30	0.060	1	371329	05/14/25 13:10	05/14/25 23:54	SSN
Nitrogen, Nitrate	**2.8**		mg/L	0.10	0.05	1	371329	05/14/25 13:10	05/14/25 23:54	SSN
Sulfate	**340**		mg/L	10	2.5	10	371329	05/14/25 13:10	05/15/25 00:15	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**21**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.32**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**25**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	ND		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**2.0**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**1.5**		mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**280**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372217	05/24/25	05/24/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Acetone	ND		ug/L	100	21	1	372217	05/24/25	05/24/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372217	05/24/25	05/24/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372217	05/24/25	05/24/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

533035-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372217	05/24/25	05/24/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372217	05/24/25	05/24/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372217	05/24/25	05/24/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372217	05/24/25	05/24/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372217	05/24/25	05/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane-d4	97%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Toluene-d8	106%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533035

533035-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371821	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.3**		mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**240**		mg/L	10		5	371759	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**240**		mg/L	10		5	371759	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	371752	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533035

Sample ID: DW-21	Lab ID: 533035-004	Collected: 05/13/25 11:20
	Matrix: Water	

533035-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.90**		mg/L	0.20	0.072	1	371329	05/14/25 13:10	05/15/25 00:36	SSN
Chloride	**54**		mg/L	1.0	0.27	1	371329	05/14/25 13:10	05/15/25 00:36	SSN
Bromide	**0.15**	J	mg/L	0.30	0.060	1	371329	05/14/25 13:10	05/15/25 00:36	SSN
Nitrogen, Nitrate	**0.11**		mg/L	0.10	0.05	1	371329	05/14/25 13:10	05/15/25 00:36	SSN
Sulfate	**120**		mg/L	10	2.5	10	371329	05/14/25 13:10	05/15/25 00:56	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**8.0**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.26**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**3.7**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	**0.24**		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**0.20**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**0.46**	J	mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**140**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372217	05/24/25	05/24/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Acetone	ND		ug/L	100	21	1	372217	05/24/25	05/24/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372217	05/24/25	05/24/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372217	05/24/25	05/24/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533035

533035-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372217	05/24/25	05/24/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372217	05/24/25	05/24/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372217	05/24/25	05/24/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372217	05/24/25	05/24/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372217	05/24/25	05/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane-d4	102%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Toluene-d8	103%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533035

533035-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371821	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.3**		mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**110**		mg/L	2.5		1.3	371759	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**140**		mg/L	2.5		1.3	371759	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**460**		mg/L	20		2	371752	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533035

Sample ID: DW-29	Lab ID: 533035-005	Collected: 05/13/25 12:35
	Matrix: Water	

533035-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.38**		mg/L	0.20	0.072	1	371329	05/14/25 13:10	05/15/25 01:17	SSN
Chloride	**94**		mg/L	1.0	0.27	1	371329	05/14/25 13:10	05/15/25 01:17	SSN
Bromide	**0.29**	J	mg/L	0.30	0.060	1	371329	05/14/25 13:10	05/15/25 01:17	SSN
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.05	1	371329	05/14/25 13:10	05/15/25 01:17	SSN
Sulfate	**370**		mg/L	10	2.5	10	371329	05/14/25 13:10	05/15/25 01:38	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**26**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.38**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**73**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	**0.093**		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**9.4**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	**0.14**		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**1.4**		mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**250**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372217	05/24/25	05/24/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Acetone	ND		ug/L	100	21	1	372217	05/24/25	05/24/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372217	05/24/25	05/24/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372217	05/24/25	05/24/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533035

533035-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372217	05/24/25	05/24/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372217	05/24/25	05/24/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372217	05/24/25	05/24/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372217	05/24/25	05/24/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372217	05/24/25	05/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Toluene-d8	104%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533035

533035-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371821	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**7.7**		mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**270**		mg/L	10		5	371759	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**270**		mg/L	10		5	371759	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,000**		mg/L	20		2	371752	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533035

Sample ID: QCFB	Lab ID: 533035-006	Collected: 05/13/25 09:38
	Matrix: Water	

533035-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND	H	ug/L	5.0	0.5	1	372217	05/24/25	05/24/25	ZST
Freon 12	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Chloromethane	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Vinyl Chloride	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromomethane	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Chloroethane	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Trichlorofluoromethane	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Acetone	ND	H	ug/L	100	21	1	372217	05/24/25	05/24/25	ZST
Freon 113	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethene	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Methylene Chloride	**2.9**	H,J	ug/L	5.0	2.4	1	372217	05/24/25	05/24/25	ZST
MTBE	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
trans-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethane	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
2-Butanone	ND	H	ug/L	100	1.7	1	372217	05/24/25	05/24/25	ZST
cis-1,2-Dichloroethene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
2,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Chloroform	**0.7**	H,J	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromochloromethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,1,1-Trichloroethane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloropropene	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Carbon Tetrachloride	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Benzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Trichloroethene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromodichloromethane	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Dibromomethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
4-Methyl-2-Pentanone	ND	H	ug/L	5.0	1.0	1	372217	05/24/25	05/24/25	ZST
cis-1,3-Dichloropropene	ND	H	ug/L	5.0	0.06	1	372217	05/24/25	05/24/25	ZST
Toluene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
trans-1,3-Dichloropropene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2-Trichloroethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Tetrachloroethene	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
Dibromochloromethane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromoethane	ND	H	ug/L	5.0	0.07	1	372217	05/24/25	05/24/25	ZST
Chlorobenzene	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
1,1,1,2-Tetrachloroethane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Ethylbenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
m,p-Xylenes	ND	H	ug/L	10	0.2	1	372217	05/24/25	05/24/25	ZST
o-Xylene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Styrene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromoform	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Isopropylbenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

533035-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichloropropane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Propylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Bromobenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,3,5-Trimethylbenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
2-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
4-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
tert-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trimethylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
sec-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
para-Isopropyl Toluene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,4-Dichlorobenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
n-Butylbenzene	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
1,2-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Hexachlorobutadiene	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Naphthalene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
cis-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
trans-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372217	05/24/25	05/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane-d4	97%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Toluene-d8	104%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

Sample ID: QCTB	Lab ID: 533035-007	Collected: 05/13/25
	Matrix: Water	

533035-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND	H	ug/L	5.0	0.5	1	372217	05/24/25	05/24/25	ZST
Freon 12	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Chloromethane	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Vinyl Chloride	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromomethane	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Chloroethane	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Trichlorofluoromethane	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Acetone	ND	H	ug/L	100	21	1	372217	05/24/25	05/24/25	ZST
Freon 113	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethene	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Methylene Chloride	ND	H	ug/L	5.0	2.4	1	372217	05/24/25	05/24/25	ZST
MTBE	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
trans-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloroethane	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
2-Butanone	ND	H	ug/L	100	1.7	1	372217	05/24/25	05/24/25	ZST
cis-1,2-Dichloroethene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
2,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Chloroform	**0.5**	H,J	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromochloromethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,1,1-Trichloroethane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1-Dichloropropene	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Carbon Tetrachloride	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Benzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Trichloroethene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromodichloromethane	ND	H	ug/L	5.0	0.08	1	372217	05/24/25	05/24/25	ZST
Dibromomethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
4-Methyl-2-Pentanone	ND	H	ug/L	5.0	1.0	1	372217	05/24/25	05/24/25	ZST
cis-1,3-Dichloropropene	ND	H	ug/L	5.0	0.06	1	372217	05/24/25	05/24/25	ZST
Toluene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
trans-1,3-Dichloropropene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,1,2-Trichloroethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Tetrachloroethene	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
Dibromochloromethane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromoethane	ND	H	ug/L	5.0	0.07	1	372217	05/24/25	05/24/25	ZST
Chlorobenzene	ND	H	ug/L	5.0	0.09	1	372217	05/24/25	05/24/25	ZST
1,1,1,2-Tetrachloroethane	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Ethylbenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
m,p-Xylenes	ND	H	ug/L	10	0.2	1	372217	05/24/25	05/24/25	ZST
o-Xylene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Styrene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
Bromoform	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Isopropylbenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533035

533035-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichloropropane	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Propylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
Bromobenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,3,5-Trimethylbenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
2-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
4-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
tert-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trimethylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
sec-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
para-Isopropyl Toluene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
1,3-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,4-Dichlorobenzene	ND	H	ug/L	5.0	0.2	1	372217	05/24/25	05/24/25	ZST
n-Butylbenzene	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
1,2-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372217	05/24/25	05/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,4-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Hexachlorobutadiene	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
Naphthalene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
1,2,3-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
cis-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.4	1	372217	05/24/25	05/24/25	ZST
trans-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.3	1	372217	05/24/25	05/24/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372217	05/24/25	05/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
1,2-Dichloroethane-d4	95%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Toluene-d8	107%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372217	05/24/25	05/24/25	ZST

B Contamination found in associated Method Blank
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1257295	**Batch:** 371329
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1257295 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.072	05/14/25 13:10	05/14/25 14:09
Chloride	ND		mg/L	1.0	0.27	05/14/25 13:10	05/14/25 14:09
Bromide	ND		mg/L	0.30	0.060	05/14/25 13:10	05/14/25 14:09
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	05/14/25 13:10	05/14/25 14:09
Sulfate	ND		mg/L	1.0	0.25	05/14/25 13:10	05/14/25 14:09

Type: Lab Control Sample	**Lab ID:** QC1257296	**Batch:** 371329
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1257296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.359	10.00	mg/L	94%		90-110
Chloride	47.25	50.00	mg/L	94%		90-110
Bromide	14.96	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.573	4.518	mg/L	101%		90-110
Sulfate	25.07	25.00	mg/L	100%		90-110

Type: Matrix Spike	**Lab ID:** QC1257297	**Batch:** 371329
Matrix (Source ID): Water (533047-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1257297 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.80	ND	20.00	mg/L	99%		80-120	1
Chloride	101.7	ND	100.0	mg/L	102%		80-120	1
Bromide	15.13	ND	15.00	mg/L	101%		80-120	1
Nitrogen, Nitrate	9.360	ND	9.036	mg/L	104%		80-120	1
Sulfate	55.42	4.711	50.00	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1257298	**Batch:** 371329
Matrix (Source ID): Water (533047-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1257298 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.95	ND	20.00	mg/L	100%		80-120	1	20	1
Chloride	101.8	ND	100.0	mg/L	102%		80-120	0	20	1
Bromide	15.22	ND	15.00	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	9.353	ND	9.036	mg/L	104%		80-120	0	20	1
Sulfate	55.53	4.711	50.00	mg/L	102%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1257443	Batch:	371329
Matrix (Source ID):	Water (533035-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1257443 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	22.00	0.1746	20.00	mg/L	109%		80-120	1
Chloride	181.7	81.44	100.0	mg/L	100%		80-120	1
Bromide	15.43	0.1694	15.00	mg/L	102%		80-120	1
Nitrogen, Nitrate	9.330	ND	9.036	mg/L	103%		80-120	1
Sulfate	525.8	649.6	50.00	mg/L	-247%	E,NM	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1257444	Batch:	371329
Matrix (Source ID):	Water (533035-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1257444 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	22.14	0.1746	20.00	mg/L	110%		80-120	1	20	1
Chloride	179.4	81.44	100.0	mg/L	98%		80-120	1	20	1
Bromide	15.27	0.1694	15.00	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	9.302	ND	9.036	mg/L	103%		80-120	0	20	1
Sulfate	525.9	649.6	50.00	mg/L	-247%	E,NM	80-120		20	1

Type:	Blank	Lab ID:	QC1259748	Batch:	372054
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1259748 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	0.070	J	mg/L	0.10	0.050	05/22/25	05/22/25

Type:	Lab Control Sample	Lab ID:	QC1259749	Batch:	372054
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1259749 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.035	1.000	mg/L	104%		90-110

Type:	Matrix Spike	Lab ID:	QC1259750	Batch:	372054
Matrix (Source ID):	Water (533028-003)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.418	0.4299	1.000	mg/L	99%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1259751	Batch:	372054
Matrix (Source ID):	Water (533028-003)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259751 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.387	0.4299	1.000	mg/L	96%		90-110	2	20	1

Type:	Matrix Spike	Lab ID:	QC1259758	Batch:	372054
Matrix (Source ID):	Water (533028-004)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259758 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.212	0.2663	1.000	mg/L	95%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1259759	Batch:	372054
Matrix (Source ID):	Water (533028-004)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259759 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.201	0.2663	1.000	mg/L	93%		90-110	1	20	1

Type:	Blank	Lab ID:	QC1259838	Batch:	372078
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1259838 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/22/25	05/23/25

Type:	Lab Control Sample	Lab ID:	QC1259839	Batch:	372078
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1259839 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	110.0	100.0	mg/L	110%		90-110

Type:	Matrix Spike	Lab ID:	QC1259840	Batch:	372078
Matrix (Source ID):	Water (533035-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259840 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	120.0	8.000	100.0	mg/L	112%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1259841**	**Batch:**	**372078**
Matrix (Source ID):	**Water (533035-004)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1259841 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	114.0	8.000	100.0	mg/L	106%		75-125	5	20	2

Type:	**Matrix Spike**	**Lab ID:**	**QC1259842**	**Batch:**	**372078**
Matrix (Source ID):	**Water (533265-004)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1259842 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	112.0	8.000	100.0	mg/L	104%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1259843**	**Batch:**	**372078**
Matrix (Source ID):	**Water (533265-004)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1259843 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	116.0	8.000	100.0	mg/L	108%		75-125	4	20	2

Type:	**Blank**	**Lab ID:**	**QC1257891**	**Batch:**	**371507**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1257891 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	05/16/25	05/16/25
Calcium	ND		mg/L	0.57	0.57	05/16/25	05/16/25
Iron	ND		mg/L	0.046	0.046	05/16/25	05/16/25
Magnesium	ND		mg/L	0.10	0.025	05/16/25	05/16/25
Manganese	ND		mg/L	0.010	0.0029	05/16/25	05/16/25
Potassium	ND		mg/L	0.50	0.40	05/16/25	05/16/25
Sodium	ND		mg/L	0.50	0.34	05/16/25	05/16/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1257892**	**Batch:**	**371507**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1257892 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3621	0.4000	mg/L	91%		80-120
Calcium	19.48	20.40	mg/L	95%		80-120
Iron	0.3782	0.4000	mg/L	95%		80-120
Magnesium	19.37	20.40	mg/L	95%		80-120
Manganese	0.3739	0.4000	mg/L	93%		80-120
Potassium	21.94	24.00	mg/L	91%		80-120
Sodium	18.84	20.40	mg/L	92%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1257893	Batch:	371507
Matrix (Source ID):	Water (533146-004)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1257893 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6018	0.2252	0.4000	mg/L	94%		75-125	1
Calcium	256.4	241.2	20.40	mg/L	74%	NM	75-125	1
Iron	1.329	0.9729	0.4000	mg/L	89%		75-125	1
Magnesium	51.97	33.43	20.40	mg/L	91%		75-125	1
Manganese	0.9969	0.6361	0.4000	mg/L	90%		75-125	1
Potassium	24.91	2.539	24.00	mg/L	93%		75-125	1
Sodium	418.0	406.0	20.40	mg/L	59%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1257894	Batch:	371507
Matrix (Source ID):	Water (533146-004)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1257894 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6029	0.2252	0.4000	mg/L	94%		75-125	0	20	1
Calcium	256.0	241.2	20.40	mg/L	73%	NM	75-125	0	20	1
Iron	1.333	0.9729	0.4000	mg/L	90%		75-125	0	20	1
Magnesium	51.99	33.43	20.40	mg/L	91%		75-125	0	20	1
Manganese	0.9965	0.6361	0.4000	mg/L	90%		75-125	0	20	1
Potassium	24.99	2.539	24.00	mg/L	94%		75-125	0	20	1
Sodium	423.0	406.0	20.40	mg/L	83%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1258001	Batch:	371507
Matrix (Source ID):	Water (533035-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1258001 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.1912	0.2142	mg/L	J			5
Calcium	22.75	24.39	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	2.860	2.976	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	ND	1.658	mg/L				5
Sodium	274.3	278.3	mg/L				5

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1260356**	**Batch:**	**372217**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	57.35	50.00	ug/L	115%		70-135
MTBE	56.52	50.00	ug/L	113%		70-130
Benzene	51.69	50.00	ug/L	103%		70-130
Trichloroethene	51.53	50.00	ug/L	103%		70-130
Toluene	51.64	50.00	ug/L	103%		70-130
Chlorobenzene	53.40	50.00	ug/L	107%		70-130
Surrogates						
Dibromofluoromethane	54.83	50.00	ug/L	110%		70-130
1,2-Dichloroethane-d4	50.70	50.00	ug/L	101%		70-130
Toluene-d8	50.31	50.00	ug/L	101%		70-130
Bromofluorobenzene	47.77	50.00	ug/L	96%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1260357**	**Batch:**	**372217**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.12	50.00	ug/L	106%		70-135	8	30
MTBE	52.73	50.00	ug/L	105%		70-130	7	30
Benzene	48.97	50.00	ug/L	98%		70-130	5	30
Trichloroethene	49.20	50.00	ug/L	98%		70-130	5	30
Toluene	49.84	50.00	ug/L	100%		70-130	4	30
Chlorobenzene	51.37	50.00	ug/L	103%		70-130	4	30
Surrogates								
Dibromofluoromethane	52.72	50.00	ug/L	105%		70-130		
1,2-Dichloroethane-d4	48.69	50.00	ug/L	97%		70-130		
Toluene-d8	50.73	50.00	ug/L	101%		70-130		
Bromofluorobenzene	47.77	50.00	ug/L	96%		70-130		

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Batch QC

Type: Blank	**Lab ID:** QC1260361	**Batch:** 372217	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1260361 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	05/24/25	05/24/25
Freon 12	ND		ug/L	5.0	0.2	05/24/25	05/24/25
Chloromethane	ND		ug/L	5.0	0.3	05/24/25	05/24/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Bromomethane	ND		ug/L	5.0	0.4	05/24/25	05/24/25
Chloroethane	ND		ug/L	5.0	0.3	05/24/25	05/24/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	05/24/25	05/24/25
Acetone	ND		ug/L	100	21	05/24/25	05/24/25
Freon 113	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	05/24/25	05/24/25
Methylene Chloride	ND		ug/L	5.0	2.4	05/24/25	05/24/25
MTBE	ND		ug/L	5.0	0.09	05/24/25	05/24/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	05/24/25	05/24/25
2-Butanone	ND		ug/L	100	1.7	05/24/25	05/24/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Chloroform	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/24/25	05/24/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	05/24/25	05/24/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/24/25	05/24/25
Benzene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Trichloroethene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Bromodichloromethane	ND		ug/L	5.0	0.08	05/24/25	05/24/25
Dibromomethane	ND		ug/L	5.0	0.2	05/24/25	05/24/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	05/24/25	05/24/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	05/24/25	05/24/25
Toluene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/24/25	05/24/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Tetrachloroethene	ND		ug/L	5.0	0.09	05/24/25	05/24/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	05/24/25	05/24/25
Chlorobenzene	ND		ug/L	5.0	0.09	05/24/25	05/24/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
m,p-Xylenes	ND		ug/L	10	0.2	05/24/25	05/24/25
o-Xylene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Styrene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
Bromoform	ND		ug/L	5.0	0.2	05/24/25	05/24/25
Isopropylbenzene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/24/25	05/24/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/24/25	05/24/25

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Batch QC

QC1260361 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
Bromobenzene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/24/25	05/24/25
n-Butylbenzene	ND		ug/L	5.0	0.4	05/24/25	05/24/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/24/25	05/24/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	05/24/25	05/24/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	05/24/25	05/24/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	05/24/25	05/24/25
Naphthalene	ND		ug/L	5.0	0.3	05/24/25	05/24/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	05/24/25	05/24/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	05/24/25	05/24/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	05/24/25	05/24/25
Xylene (total)	ND		ug/L	5.0		05/24/25	05/24/25
Surrogates				**Limits**			
Dibromofluoromethane	107%		%REC	70-130		05/24/25	05/24/25
1,2-Dichloroethane-d4	99%		%REC	70-130		05/24/25	05/24/25
Toluene-d8	103%		%REC	70-130		05/24/25	05/24/25
Bromofluorobenzene	103%		%REC	70-130		05/24/25	05/24/25

Type: Matrix Spike **Lab ID:** QC1260399 **Batch:** 372217
Matrix (Source ID): Water (533035-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1260399 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	22.75	ND	20.00	ug/L	114%		70-130	1
MTBE	20.51	ND	20.00	ug/L	103%		75-130	1
Benzene	20.26	ND	20.00	ug/L	101%		70-130	1
Trichloroethene	21.56	ND	20.00	ug/L	108%		63-130	1
Toluene	21.24	ND	20.00	ug/L	106%		70-130	1
Chlorobenzene	21.34	ND	20.00	ug/L	107%		70-130	1
Surrogates								
Dibromofluoromethane	53.64		50.00	ug/L	107%		70-130	1
1,2-Dichloroethane-d4	48.63		50.00	ug/L	97%		70-130	1
Toluene-d8	52.52		50.00	ug/L	105%		70-130	1
Bromofluorobenzene	48.92		50.00	ug/L	98%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1260400	Batch:	372217
Matrix (Source ID):	Water (533035-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1260400 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	23.58	ND	20.00	ug/L	118%		70-130	4	30	1
MTBE	22.39	ND	20.00	ug/L	112%		75-130	9	30	1
Benzene	20.96	ND	20.00	ug/L	105%		70-130	3	30	1
Trichloroethene	22.22	ND	20.00	ug/L	111%		63-130	3	30	1
Toluene	21.99	ND	20.00	ug/L	110%		70-130	3	30	1
Chlorobenzene	22.34	ND	20.00	ug/L	112%		70-130	5	30	1
Surrogates										
Dibromofluoromethane	54.25		50.00	ug/L	108%		70-130			1
1,2-Dichloroethane-d4	48.86		50.00	ug/L	98%		70-130			1
Toluene-d8	52.16		50.00	ug/L	104%		70-130			1
Bromofluorobenzene	48.99		50.00	ug/L	98%		70-130			1

Type:	Blank	Lab ID:	QC1258160	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	05/16/25	05/17/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		05/16/25	05/17/25

Type:	Lab Control Sample	Lab ID:	QC1258161	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.28	10.00	ug/L	103%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.14	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1258162	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.938	10.00	ug/L	99%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.839	10.00	ug/L	98%		80-120		

Type:	Blank	Lab ID:	QC1258929	Batch:	371821
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1258929 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		05/20/25	05/20/25

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Batch QC

Type: Lab Control Sample **Lab ID:** QC1258930 **Batch:** 371821
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1258930 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1258931 **Batch:** 371821
Matrix (Source ID): Water (532992-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1258931 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1258932 **Batch:** 371821
Matrix (Source ID): Water (532992-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1258932 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	0	20	1

Type: Blank **Lab ID:** QC1260865 **Batch:** 372370
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260865 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	05/27/25	05/27/25

Type: Lab Control Sample **Lab ID:** QC1260868 **Batch:** 372370
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.86	25.00	mg/L	99%		85-115

Type: Matrix Spike **Lab ID:** QC1260869 **Batch:** 372370
Matrix (Source ID): Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260869 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.04	4.059	25.00	mg/L	96%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1260870 **Batch:** 372370
Matrix (Source ID): Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260870 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	27.55	4.059	25.00	mg/L	94%		75-125	2	25	1

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Batch QC

Type: Blank **Lab ID: QC1258682** **Batch: 371759**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1258682 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		05/19/25	05/19/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		05/19/25	05/19/25

Type: Lab Control Sample **Lab ID: QC1258683** **Batch: 371759**
Matrix: Water **Method: SM2320B** **Prep Method: METHOD**

QC1258683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	996.5	1000	mg/L	100%		90-110

Type: Sample Duplicate **Lab ID: QC1258684** **Batch: 371759**
Matrix (Source ID): Water (533217-001) **Method: SM2320B** **Prep Method: METHOD**

QC1258684 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	83.53	79.60	mg/L		5	20	2.5
Alkalinity, Total as CaCO3	83.53	79.60	mg/L		5	20	2.5

Type: Blank **Lab ID: QC1258655** **Batch: 371752**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1258655 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		05/19/25	05/20/25

Type: Lab Control Sample **Lab ID: QC1258656** **Batch: 371752**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1258656 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	988.0	1000	mg/L	99%		90-110

Type: Sample Duplicate **Lab ID: QC1258657** **Batch: 371752**
Matrix (Source ID): Water (533217-001) **Method: SM2540C** **Prep Method: METHOD**

QC1258657 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	200.0	194.0	mg/L		3	5	2

Type: Sample Duplicate **Lab ID: QC1258658** **Batch: 371752**
Matrix (Source ID): Water (533035-001) **Method: SM2540C** **Prep Method: METHOD**

QC1258658 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	976.0	954.0	mg/L		2	5	2

Batch QC

E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 533035

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2505A21

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-533035

Project Location:
Project Received: 05/15/2025

Analytical Report reviewed & approved for release on 05/20/2025 by:

Tracy Babjar
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505A21

Project: EO-533035

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505A21

Project: EO-533035

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505A21
Date Received:	05/15/2025 12:04	**Extraction Method:**	RSK175
Date Prepared:	05/19/2025	**Analytical Method:**	RSK175
Project:	EO-533035	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-12	2505A21-001A	Water	05/13/2025 08:38	GC26 0519250608.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1300**	50	50	1	05/19/2025 09:54

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-7	2505A21-002A	Water	05/13/2025 09:35	GC26 0519250609.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**600**	50	50	1	05/19/2025 10:25

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-18	2505A21-003A	Water	05/13/2025 10:37	GC26 0519250610.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3700**	250	250	5	05/19/2025 11:19

Analyst(s): PRE

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505A21
Date Received:	05/15/2025 12:04	**Extraction Method:**	RSK175
Date Prepared:	05/19/2025	**Analytical Method:**	RSK175
Project:	EO-533035	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-21	2505A21-004A	Water	05/13/2025 11:20	GC26 0519250611.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**320**	50	50	1	05/19/2025 12:07

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2505A21-005A	Water	05/13/2025 12:35	GC26 0519250612.D	317644

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**11,000**	2500	2500	50	05/19/2025 12:42

Analyst(s): PRE

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505A21
Date Prepared:	05/19/2025	**BatchID:**	317644
Date Analyzed:	05/19/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-533035	**Sample ID:**	MB/LCS/LCSD-317644

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	73	75	70-130	2.85	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2505A21 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-533035

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 3 days;

Date Received: **05/15/2025**
Date Logged: **05/15/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2505A21-001	DW-12	Water	5/13/2025 08:38	☐	A	A										
2505A21-002	DW-7	Water	5/13/2025 09:35	☐	A	A										
2505A21-003	DW-18	Water	5/13/2025 10:37	☐	A	A										
2505A21-004	DW-21	Water	5/13/2025 11:20	☐	A	A										
2505A21-005	DW-29	Water	5/13/2025 12:35	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-533035 **Work Order:** 2505A21
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 5/15/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-12	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/13/2025 8:38	3 days	5/20/2025	None	☐	☐
002A	DW-7	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/13/2025 9:35	3 days	5/20/2025	None	☐	☐
003A	DW-18	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/13/2025 10:37	3 days	5/20/2025	None	☐	☐
004A	DW-21	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/13/2025 11:20	3 days	5/20/2025	None	☐	☐
005A	DW-29	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	5/13/2025 12:35	3 days	5/20/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

250SIA21

HOLD TIME RUSH

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-533035
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-12	13-MAY-2025 08:38	533035-001	3	Water	RSK-175 CO2	
DW-7	13-MAY-2025 09:35	533035-002	3	Water	RSK-175 CO2	
DW-18	13-MAY-2025 10:37	533035-003	3	Water	RSK-175 CO2	
DW-21	13-MAY-2025 11:20	533035-004	3	Water	RSK-175 CO2	
DW-29	13-MAY-2025 12:35	533035-005	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Anna Reuter	
	Date: 5-14-25 16:20	Date: 5.15.25 1204
	Date:	Date:
	Date:	Date:

1.5 wt.
IR43

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	5/15/2025 12:04
Project:	EO-533035	Date Logged:	5/15/2025
		Received by:	Adrianna Cardoza
WorkOrder №:	2505A21 Matrix: Water	Logged by:	Adrianna Cardoza
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 1.5°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Page 48 of 48

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931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 533146
Report Level : II
Report Date : 06/02/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	533146 GW MONITORING Chiquita Canyon Landfill, Quarterly MPars 05/14/25

Sample ID	Lab ID	Collected	Matrix
DW-14	533146-001	05/14/25 09:04	Water
PZ-4	533146-002	05/14/25 10:20	Water
DW-17	533146-003	05/14/25 11:26	Water
DW-15	533146-004	05/14/25 12:46	Water
QCFB	533146-005	05/14/25 11:29	Water
QCTB	533146-006	05/14/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 533146 Project No: GW MONITORING Location: Chiquita Canyon Landfill, Quarterly MPars Date Received: 05/14/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 05/14/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for benzene in the MS/MSD for batch 372276; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCFB (lab # 533146-005) and QCTB (lab # 533146-006) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 372527; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

- Ammonia-N was detected between the MDL and the RL in the method blank for batch 372054.
- No other analytical problems were encountered.

RSK-175 CO2 (RSK-175):

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 533146

Chain of Custody Record

Lab No: 533146

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

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(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-14	5/14/25	904	W	13	var.	X	X	X	X	X	X	X	X	X
2	PZ-4	"	1020	"	"	"	X	X	X	X	X	X	X	X	X
3	DW-17	"	1126	"	"	"	X	X	X	X	X	X	X	X	X
4	DW-15	"	1246	"	"	"	X	X	X	X	X	X	X	X	X
5	QCFB	"	1129	"	3	"	X								
6	QCTB	—	—	"	2	"	X								
7															
8															
9															
10															

Analysis Request

IA 13

3.0/3.0

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Test Instructions / Comments

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	5/14/25 2:15
[1] Received By:		Alice Tahmasian	EA/NH	5/14/25 2:15
[2] Relinquished By:		Alice Tahmasian	EA/NH	5/15/25 0900
[2] Received By:		Hrag B	EA-NH	5/15/25 0900
[3] Relinquished By:		Hrag B.	EA-NH	5/15/25 1045
[3] Received By:		NIMS	EA	5-15-25 1350

NIMS EA 5-15-25 1435 EA 5/15/25 1435

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SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 05-14-25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: walkin

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 5/14/25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 6.8 / 6.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)**_____ **(sign)**_____

Date Labeled _____ **By (print)**_____ **(sign)**_____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 05/15/25 WO# 533146 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05/15/25 By (initials) NG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: 0

Cooler Temp (°C) #1: 3.0 / 3.0 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			x
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?	x		
7) Does the container count match the CoC?	x		
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?		x	
10) Were samples received with > 1/2 holding time remaining?	x		
11) Are samples properly preserved as indicated by CoC / labels?	x*		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?	x		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4-9) No dedicated container for TOC

☐ **No additional discrepancies**

Date Logged 05/15/25 **By (print)** FPD **(sign)** _____

Date Labeled 05/15/25 **By (print)** GLM **(sign)** GM

ENTHALPY ANALYTICAL

Analysis Results for 533146

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 533146
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 05/14/25

Sample ID: DW-14 **Lab ID: 533146-001** **Collected: 05/14/25 09:04**
Matrix: Water

533146-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.41**		mg/L	0.20	0.073	1	372527	05/29/25 08:49	05/29/25 12:42	AJL
Chloride	**94**		mg/L	1.0	0.27	1	371436	05/15/25 11:30	05/15/25 21:34	KUM
Bromide	**0.14**	J	mg/L	0.30	0.060	1	371436	05/15/25 11:30	05/15/25 21:34	KUM
Nitrogen, Nitrate	**0.32**		mg/L	0.10	0.05	1	371436	05/15/25 11:30	05/15/25 21:34	KUM
Sulfate	**30**		mg/L	1.0	0.25	1	371436	05/15/25 11:30	05/15/25 21:34	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**9.0**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.12**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**2.9**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	**0.25**		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**0.22**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	**0.0030**	J	mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**0.48**	J	mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**140**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	372276	05/26/25	05/26/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Acetone	ND		ug/L	100	44	1	372276	05/26/25	05/26/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	372276	05/26/25	05/26/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	372276	05/26/25	05/26/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533146

533146-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	372276	05/26/25	05/26/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	372276	05/26/25	05/26/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	372276	05/26/25	05/26/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Propylbenzene	**0.1**	J	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Naphthalene	**0.9**	J	ug/L	5.0	0.5	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	372276	05/26/25	05/26/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	372276	05/26/25	05/26/25	EJB
Xylene (total)	ND		ug/L	5.0		1	372276	05/26/25	05/26/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533146

533146-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	97%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Toluene-d8	102%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Bromofluorobenzene	97%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371867	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**150**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**410**		mg/L	20		2	371831	05/20/25	05/21/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533146

Sample ID: PZ-4	Lab ID: 533146-002	Collected: 05/14/25 10:20
	Matrix: Water	

533146-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.57**		mg/L	0.20	0.073	1	372527	05/29/25 08:49	05/29/25 12:58	AJL
Chloride	**59**		mg/L	1.0	0.27	1	371436	05/15/25 11:30	05/15/25 21:55	KUM
Bromide	**0.16**	J	mg/L	0.30	0.060	1	371436	05/15/25 11:30	05/15/25 21:55	KUM
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.05	1	371436	05/15/25 11:30	05/15/25 21:55	KUM
Sulfate	**140**		mg/L	10	2.5	10	371436	05/15/25 11:30	05/15/25 22:16	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**23**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.32**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**55**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	ND		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**10**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**2.1**		mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**180**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Freon 12	**0.7**	J	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	372276	05/26/25	05/26/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Acetone	ND		ug/L	100	44	1	372276	05/26/25	05/26/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	372276	05/26/25	05/26/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	372276	05/26/25	05/26/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533146

533146-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	372276	05/26/25	05/26/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	372276	05/26/25	05/26/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	372276	05/26/25	05/26/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	372276	05/26/25	05/26/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	372276	05/26/25	05/26/25	EJB
Xylene (total)	ND		ug/L	5.0		1	372276	05/26/25	05/26/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
1,2-Dichloroethane-d4	100%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Toluene-d8	101%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Bromofluorobenzene	106%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533146

533146-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371867	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**5.7**		mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**400**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**400**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**720**		mg/L	20		2	371831	05/20/25	05/21/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533146

Sample ID: DW-17	Lab ID: 533146-003	Collected: 05/14/25 11:26
	Matrix: Water	

533146-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.17**	J	mg/L	0.20	0.073	1	372527	05/29/25 08:49	05/29/25 13:15	AJL
Chloride	**150**		mg/L	1.0	0.27	1	371436	05/15/25 11:30	05/15/25 22:37	KUM
Bromide	**0.36**		mg/L	0.30	0.060	1	371436	05/15/25 11:30	05/15/25 22:37	KUM
Nitrogen, Nitrate	**1.0**		mg/L	0.10	0.05	1	371436	05/15/25 11:30	05/15/25 22:37	KUM
Sulfate	**190**		mg/L	10	2.5	10	371436	05/15/25 11:30	05/15/25 22:58	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**4.0**		mg/L	4.0	2.0	1	372796	05/31/25	05/31/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.084**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**5.0**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	ND		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**0.14**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**0.63**		mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**220**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	372276	05/26/25	05/26/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Acetone	ND		ug/L	100	44	1	372276	05/26/25	05/26/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	372276	05/26/25	05/26/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	372276	05/26/25	05/26/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533146

533146-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	372276	05/26/25	05/26/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	372276	05/26/25	05/26/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	372276	05/26/25	05/26/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	372276	05/26/25	05/26/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	372276	05/26/25	05/26/25	EJB
Xylene (total)	ND		ug/L	5.0		1	372276	05/26/25	05/26/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
1,2-Dichloroethane-d4	97%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Toluene-d8	102%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Bromofluorobenzene	105%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533146

533146-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371867	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**95**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**140**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**700**		mg/L	20		2	371831	05/20/25	05/21/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533146

Sample ID: DW-15	Lab ID: 533146-004	Collected: 05/14/25 12:46
	Matrix: Water	

533146-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	ND		mg/L	0.20	0.073	1	372527	05/29/25 08:49	05/29/25 13:32	AJL
Chloride	**76**		mg/L	1.0	0.27	1	371436	05/15/25 11:30	05/15/25 23:19	KUM
Bromide	**0.19**	J	mg/L	0.30	0.060	1	371436	05/15/25 11:30	05/15/25 23:19	KUM
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	371436	05/15/25 11:30	05/15/25 23:19	KUM
Sulfate	**1,500**		mg/L	20	4.9	20	371436	05/15/25 11:30	05/15/25 23:40	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.16**	B	mg/L	0.10	0.050	1	372054	05/22/25	05/22/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**10**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.23**		mg/L	0.050	0.0055	1	371507	05/16/25	05/16/25	SBW
Calcium	**240**		mg/L	0.57	0.57	1	371507	05/16/25	05/16/25	SBW
Iron	**0.97**		mg/L	0.046	0.046	1	371507	05/16/25	05/16/25	SBW
Magnesium	**33**		mg/L	0.10	0.025	1	371507	05/16/25	05/16/25	SBW
Manganese	**0.64**		mg/L	0.010	0.0029	1	371507	05/16/25	05/16/25	SBW
Potassium	**2.5**		mg/L	0.50	0.40	1	371507	05/16/25	05/16/25	SBW
Sodium	**410**		mg/L	0.50	0.34	1	371507	05/16/25	05/16/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	372276	05/26/25	05/26/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Acetone	ND		ug/L	100	44	1	372276	05/26/25	05/26/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	372276	05/26/25	05/26/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	372276	05/26/25	05/26/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533146

533146-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	372276	05/26/25	05/26/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	372276	05/26/25	05/26/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	372276	05/26/25	05/26/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,4-Dichlorobenzene	**0.2**	J	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	372276	05/26/25	05/26/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	372276	05/26/25	05/26/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	372276	05/26/25	05/26/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	372276	05/26/25	05/26/25	EJB
Xylene (total)	ND		ug/L	5.0		1	372276	05/26/25	05/26/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
1,2-Dichloroethane-d4	102%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Toluene-d8	101%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB
Bromofluorobenzene	102%		%REC	70-130		1	372276	05/26/25	05/26/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533146

533146-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371867	05/20/25	05/20/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.96**	J	mg/L	1.0	0.68	1	372370	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	5.0		2.5	371760	05/19/25	05/19/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,400**		mg/L	20		2	371831	05/20/25	05/21/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533146

Sample ID: QCFB	Lab ID: 533146-005	Collected: 05/14/25 11:29
	Matrix: Water	

533146-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
Freon 12	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
Chloromethane	ND	H	ug/L	5.0	0.4	1	372276	05/26/25	05/26/25	TCN
Vinyl Chloride	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Bromomethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Chloroethane	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
Trichlorofluoromethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Acetone	ND	H	ug/L	100	44	1	372276	05/26/25	05/26/25	TCN
Freon 113	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Methylene Chloride	ND	H	ug/L	5.0	3.5	1	372276	05/26/25	05/26/25	TCN
MTBE	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
trans-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1-Dichloroethane	ND	H	ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	TCN
2-Butanone	ND	H	ug/L	100	2.3	1	372276	05/26/25	05/26/25	TCN
cis-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
2,2-Dichloropropane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Chloroform	**0.6**	H,J	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Bromochloromethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,1,1-Trichloroethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1-Dichloropropene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Carbon Tetrachloride	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,2-Dichloroethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Benzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Trichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Bromodichloromethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Dibromomethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
4-Methyl-2-Pentanone	ND	H	ug/L	5.0	0.9	1	372276	05/26/25	05/26/25	TCN
cis-1,3-Dichloropropene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Toluene	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
trans-1,3-Dichloropropene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1,2-Trichloroethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,3-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Tetrachloroethene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Dibromochloromethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dibromoethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Chlorobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1,1,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Ethylbenzene	ND	H	ug/L	5.0	0.07	1	372276	05/26/25	05/26/25	TCN
m,p-Xylenes	ND	H	ug/L	10	0.1	1	372276	05/26/25	05/26/25	TCN
o-Xylene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
Styrene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Bromoform	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Isopropylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533146

533146-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,2,3-Trichloropropane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Propylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
Bromobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,3,5-Trimethylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
2-Chlorotoluene	ND	H	ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	TCN
4-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
tert-Butylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
1,2,4-Trimethylbenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
sec-Butylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
para-Isopropyl Toluene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,3-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,4-Dichlorobenzene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
n-Butylbenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dibromo-3-Chloropropane	ND	H	ug/L	5.0	1.0	1	372276	05/26/25	05/26/25	TCN
1,2,4-Trichlorobenzene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Hexachlorobutadiene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
Naphthalene	ND	H	ug/L	5.0	0.5	1	372276	05/26/25	05/26/25	TCN
1,2,3-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
cis-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.7	1	372276	05/26/25	05/26/25	TCN
trans-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.8	1	372276	05/26/25	05/26/25	TCN
Xylene (total)	ND		ug/L	5.0		1	372276	05/26/25	05/26/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN
1,2-Dichloroethane-d4	99%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN
Toluene-d8	102%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN
Bromofluorobenzene	103%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533146

Sample ID: QCTB	Lab ID: 533146-006	Collected: 05/14/25
	Matrix: Water	

533146-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
Freon 12	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
Chloromethane	ND	H	ug/L	5.0	0.4	1	372276	05/26/25	05/26/25	TCN
Vinyl Chloride	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Bromomethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Chloroethane	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
Trichlorofluoromethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Acetone	ND	H	ug/L	100	44	1	372276	05/26/25	05/26/25	TCN
Freon 113	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Methylene Chloride	ND	H	ug/L	5.0	3.5	1	372276	05/26/25	05/26/25	TCN
MTBE	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
trans-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1-Dichloroethane	ND	H	ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	TCN
2-Butanone	ND	H	ug/L	100	2.3	1	372276	05/26/25	05/26/25	TCN
cis-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
2,2-Dichloropropane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Chloroform	**0.5**	H,J	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Bromochloromethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,1,1-Trichloroethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1-Dichloropropene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Carbon Tetrachloride	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,2-Dichloroethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Benzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Trichloroethene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Bromodichloromethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Dibromomethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
4-Methyl-2-Pentanone	ND	H	ug/L	5.0	0.9	1	372276	05/26/25	05/26/25	TCN
cis-1,3-Dichloropropene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Toluene	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
trans-1,3-Dichloropropene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1,2-Trichloroethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,3-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Tetrachloroethene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Dibromochloromethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dibromoethane	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
Chlorobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,1,1,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Ethylbenzene	ND	H	ug/L	5.0	0.07	1	372276	05/26/25	05/26/25	TCN
m,p-Xylenes	ND	H	ug/L	10	0.1	1	372276	05/26/25	05/26/25	TCN
o-Xylene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
Styrene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Bromoform	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Isopropylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533146

533146-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
1,2,3-Trichloropropane	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Propylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
Bromobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,3,5-Trimethylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
2-Chlorotoluene	ND	H	ug/L	5.0	0.08	1	372276	05/26/25	05/26/25	TCN
4-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
tert-Butylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
1,2,4-Trimethylbenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
sec-Butylbenzene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
para-Isopropyl Toluene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,3-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,4-Dichlorobenzene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
n-Butylbenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372276	05/26/25	05/26/25	TCN
1,2-Dibromo-3-Chloropropane	ND	H	ug/L	5.0	1.0	1	372276	05/26/25	05/26/25	TCN
1,2,4-Trichlorobenzene	ND	H	ug/L	5.0	0.2	1	372276	05/26/25	05/26/25	TCN
Hexachlorobutadiene	ND	H	ug/L	5.0	0.09	1	372276	05/26/25	05/26/25	TCN
Naphthalene	ND	H	ug/L	5.0	0.5	1	372276	05/26/25	05/26/25	TCN
1,2,3-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372276	05/26/25	05/26/25	TCN
cis-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.7	1	372276	05/26/25	05/26/25	TCN
trans-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.8	1	372276	05/26/25	05/26/25	TCN
Xylene (total)	ND		ug/L	5.0		1	372276	05/26/25	05/26/25	TCN
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN
1,2-Dichloroethane-d4	98%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN
Toluene-d8	100%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN
Bromofluorobenzene	101%		%REC	70-130		1	372276	05/26/25	05/26/25	TCN

B Contamination found in associated Method Blank
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1257664	Batch: 371436
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1257664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	05/15/25 11:30	05/15/25 12:11
Bromide	ND		mg/L	0.30	0.060	05/15/25 11:30	05/15/25 12:11
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	05/15/25 11:30	05/15/25 12:11
Sulfate	ND		mg/L	1.0	0.25	05/15/25 11:30	05/15/25 12:11

Type: Lab Control Sample	Lab ID: QC1257665	Batch: 371436
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1257665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	46.75	50.00	mg/L	94%		90-110
Bromide	14.83	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.524	4.518	mg/L	100%		90-110
Sulfate	24.82	25.00	mg/L	99%		90-110

Type: Matrix Spike	Lab ID: QC1257666	Batch: 371436
Matrix (Source ID): Water (533112-001)	Method: EPA 300.0	Prep Method: METHOD

QC1257666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	158.8	59.79	100.0	mg/L	99%		80-120	1
Bromide	15.11	0.2222	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.152	ND	9.036	mg/L	101%		80-120	1
Sulfate	96.54	48.43	50.00	mg/L	96%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1257667	Batch: 371436
Matrix (Source ID): Water (533112-001)	Method: EPA 300.0	Prep Method: METHOD

QC1257667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	159.1	59.79	100.0	mg/L	99%		80-120	0	20	1
Bromide	15.09	0.2222	15.00	mg/L	99%		80-120	0	20	1
Nitrogen, Nitrate	9.206	ND	9.036	mg/L	102%		80-120	1	20	1
Sulfate	96.47	48.43	50.00	mg/L	96%		80-120	0	20	1

Type: Matrix Spike	Lab ID: QC1257760	Batch: 371436
Matrix (Source ID): Water (533161-001)	Method: EPA 300.0	Prep Method: METHOD

QC1257760 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	101.1	ND	100.0	mg/L	101%		80-120	1
Bromide	15.05	ND	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.291	ND	9.036	mg/L	103%		80-120	1
Sulfate	55.10	4.695	50.00	mg/L	101%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1257761	Batch:	371436
Matrix (Source ID):	Water (533161-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1257761 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	101.8	ND	100.0	mg/L	102%		80-120	1	20	1
Bromide	15.17	ND	15.00	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	9.328	ND	9.036	mg/L	103%		80-120	0	20	1
Sulfate	55.37	4.695	50.00	mg/L	101%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1261395	Batch:	372527
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1261395 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	05/29/25 08:49	05/29/25 10:10

Type:	Lab Control Sample	Lab ID:	QC1261396	Batch:	372527
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1261396 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.914	10.00	mg/L	99%		90-110

Type:	Matrix Spike	Lab ID:	QC1261397	Batch:	372527
Matrix (Source ID):	Water (533587-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1261397 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.34	0.9893	20.00	mg/L	102%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1261398	Batch:	372527
Matrix (Source ID):	Water (533587-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1261398 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.45	0.9893	20.00	mg/L	102%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1259748	Batch:	372054
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1259748 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	0.070	J	mg/L	0.10	0.050	05/22/25	05/22/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1259749	Batch:	372054
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1259749 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.035	1.000	mg/L	104%		90-110

Type:	Matrix Spike	Lab ID:	QC1259750	Batch:	372054
Matrix (Source ID):	Water (533028-003)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.418	0.4299	1.000	mg/L	99%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1259751	Batch:	372054
Matrix (Source ID):	Water (533028-003)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259751 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.387	0.4299	1.000	mg/L	96%		90-110	2	20	1

Type:	Matrix Spike	Lab ID:	QC1259758	Batch:	372054
Matrix (Source ID):	Water (533028-004)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259758 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.212	0.2663	1.000	mg/L	95%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1259759	Batch:	372054
Matrix (Source ID):	Water (533028-004)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1259759 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.201	0.2663	1.000	mg/L	93%		90-110	1	20	1

Type:	Blank	Lab ID:	QC1259838	Batch:	372078
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1259838 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/22/25	05/23/25

Type:	Lab Control Sample	Lab ID:	QC1259839	Batch:	372078
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1259839 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	110.0	100.0	mg/L	110%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1259840	Batch:	372078
Matrix (Source ID):	Water (533035-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259840 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	120.0	8.000	100.0	mg/L	112%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1259841	Batch:	372078
Matrix (Source ID):	Water (533035-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259841 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	114.0	8.000	100.0	mg/L	106%		75-125	5	20	2

Type:	Matrix Spike	Lab ID:	QC1259842	Batch:	372078
Matrix (Source ID):	Water (533265-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259842 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	112.0	8.000	100.0	mg/L	104%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1259843	Batch:	372078
Matrix (Source ID):	Water (533265-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259843 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	116.0	8.000	100.0	mg/L	108%		75-125	4	20	2

Type:	Matrix Spike	Lab ID:	QC1262342	Batch:	372796
Matrix (Source ID):	Water (533146-003)	Method:	EPA 410.4	Prep Method:	METHOD

QC1262342 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	4.000	100.0	mg/L	102%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1262343	Batch:	372796
Matrix (Source ID):	Water (533146-003)	Method:	EPA 410.4	Prep Method:	METHOD

QC1262343 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	110.0	4.000	100.0	mg/L	106%		75-125	4	20	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1262344	Batch: 372796
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1262344 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/31/25	05/31/25

Type: Lab Control Sample	Lab ID: QC1262345	Batch: 372796
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1262345 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	104.0	100.0	mg/L	104%		90-110

Type: Blank	Lab ID: QC1257891	Batch: 371507
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1257891 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	05/16/25	05/16/25
Calcium	ND		mg/L	0.57	0.57	05/16/25	05/16/25
Iron	ND		mg/L	0.046	0.046	05/16/25	05/16/25
Magnesium	ND		mg/L	0.10	0.025	05/16/25	05/16/25
Manganese	ND		mg/L	0.010	0.0029	05/16/25	05/16/25
Potassium	ND		mg/L	0.50	0.40	05/16/25	05/16/25
Sodium	ND		mg/L	0.50	0.34	05/16/25	05/16/25

Type: Lab Control Sample	Lab ID: QC1257892	Batch: 371507
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1257892 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3621	0.4000	mg/L	91%		80-120
Calcium	19.48	20.40	mg/L	95%		80-120
Iron	0.3782	0.4000	mg/L	95%		80-120
Magnesium	19.37	20.40	mg/L	95%		80-120
Manganese	0.3739	0.4000	mg/L	93%		80-120
Potassium	21.94	24.00	mg/L	91%		80-120
Sodium	18.84	20.40	mg/L	92%		80-120

Type: Matrix Spike	Lab ID: QC1257893	Batch: 371507
Matrix (Source ID): Water (533146-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1257893 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6018	0.2252	0.4000	mg/L	94%		75-125	1
Calcium	256.4	241.2	20.40	mg/L	74%	NM	75-125	1
Iron	1.329	0.9729	0.4000	mg/L	89%		75-125	1
Magnesium	51.97	33.43	20.40	mg/L	91%		75-125	1
Manganese	0.9969	0.6361	0.4000	mg/L	90%		75-125	1
Potassium	24.91	2.539	24.00	mg/L	93%		75-125	1
Sodium	418.0	406.0	20.40	mg/L	59%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1257894	Batch:	371507
Matrix (Source ID):	Water (533146-004)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1257894 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6029	0.2252	0.4000	mg/L	94%		75-125	0	20	1
Calcium	256.0	241.2	20.40	mg/L	73%	NM	75-125	0	20	1
Iron	1.333	0.9729	0.4000	mg/L	90%		75-125	0	20	1
Magnesium	51.99	33.43	20.40	mg/L	91%		75-125	0	20	1
Manganese	0.9965	0.6361	0.4000	mg/L	90%		75-125	0	20	1
Potassium	24.99	2.539	24.00	mg/L	94%		75-125	0	20	1
Sodium	423.0	406.0	20.40	mg/L	83%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1258001	Batch:	371507
Matrix (Source ID):	Water (533035-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1258001 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.1912	0.2142	mg/L	J			5
Calcium	22.75	24.39	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	2.860	2.976	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	ND	1.658	mg/L				5
Sodium	274.3	278.3	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1260541	**Batch:** 372276	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1260541 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	05/26/25	05/26/25
Freon 12	ND		ug/L	5.0	0.3	05/26/25	05/26/25
Chloromethane	ND		ug/L	5.0	0.4	05/26/25	05/26/25
Vinyl Chloride	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Bromomethane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Chloroethane	ND		ug/L	5.0	0.3	05/26/25	05/26/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Acetone	ND		ug/L	100	44	05/26/25	05/26/25
Freon 113	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Methylene Chloride	ND		ug/L	5.0	3.5	05/26/25	05/26/25
MTBE	ND		ug/L	5.0	0.1	05/26/25	05/26/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	05/26/25	05/26/25
2-Butanone	ND		ug/L	100	2.3	05/26/25	05/26/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Chloroform	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	05/26/25	05/26/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Benzene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Trichloroethene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Bromodichloromethane	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Dibromomethane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	05/26/25	05/26/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Toluene	ND		ug/L	5.0	0.3	05/26/25	05/26/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Tetrachloroethene	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	05/26/25	05/26/25
Chlorobenzene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Ethylbenzene	ND		ug/L	5.0	0.07	05/26/25	05/26/25
m,p-Xylenes	ND		ug/L	10	0.1	05/26/25	05/26/25
o-Xylene	ND		ug/L	5.0	0.09	05/26/25	05/26/25
Styrene	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Bromoform	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Isopropylbenzene	ND		ug/L	5.0	0.09	05/26/25	05/26/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/26/25	05/26/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/26/25	05/26/25

ENTHALPY ANALYTICAL

Batch QC

QC1260541 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	05/26/25	05/26/25
Bromobenzene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	05/26/25	05/26/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	05/26/25	05/26/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	05/26/25	05/26/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	05/26/25	05/26/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/26/25	05/26/25
n-Butylbenzene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/26/25	05/26/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	05/26/25	05/26/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	05/26/25	05/26/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	05/26/25	05/26/25
Naphthalene	ND		ug/L	5.0	0.5	05/26/25	05/26/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	05/26/25	05/26/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	05/26/25	05/26/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	05/26/25	05/26/25
Xylene (total)	ND		ug/L	5.0		05/26/25	05/26/25
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		05/26/25	05/26/25
1,2-Dichloroethane-d4	97%		%REC	70-130		05/26/25	05/26/25
Toluene-d8	100%		%REC	70-130		05/26/25	05/26/25
Bromofluorobenzene	104%		%REC	70-130		05/26/25	05/26/25

Type: Lab Control Sample **Lab ID:** QC1260542 **Batch:** 372276
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1260542 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.75	50.00	ug/L	101%		70-135
MTBE	49.38	50.00	ug/L	99%		70-130
Benzene	50.71	50.00	ug/L	101%		70-130
Trichloroethene	49.55	50.00	ug/L	99%		70-130
Toluene	50.76	50.00	ug/L	102%		70-130
Chlorobenzene	52.14	50.00	ug/L	104%		70-130
Surrogates						
Dibromofluoromethane	47.99	50.00	ug/L	96%		70-130
1,2-Dichloroethane-d4	47.14	50.00	ug/L	94%		70-130
Toluene-d8	49.71	50.00	ug/L	99%		70-130
Bromofluorobenzene	49.62	50.00	ug/L	99%		70-130

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1260543**	**Batch:**	**372276**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260543 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	47.62	50.00	ug/L	95%		70-135	6	30
MTBE	49.79	50.00	ug/L	100%		70-130	1	30
Benzene	49.38	50.00	ug/L	99%		70-130	3	30
Trichloroethene	50.14	50.00	ug/L	100%		70-130	1	30
Toluene	51.38	50.00	ug/L	103%		70-130	1	30
Chlorobenzene	51.28	50.00	ug/L	103%		70-130	2	30
Surrogates								
Dibromofluoromethane	48.72	50.00	ug/L	97%		70-130		
1,2-Dichloroethane-d4	47.14	50.00	ug/L	94%		70-130		
Toluene-d8	50.43	50.00	ug/L	101%		70-130		
Bromofluorobenzene	47.92	50.00	ug/L	96%		70-130		

Type:	**Matrix Spike**	**Lab ID:**	**QC1260549**	**Batch:**	**372276**
Matrix (Source ID):	**Water (533421-011)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260549 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	18.07	ND	20.00	ug/L	90%		70-130	1
MTBE	23.46	5.251	20.00	ug/L	91%		75-130	1
Benzene	69.46	59.13	20.00	ug/L	52%	*	70-130	1
Trichloroethene	18.77	ND	20.00	ug/L	94%		63-130	1
Toluene	18.97	ND	20.00	ug/L	95%		70-130	1
Chlorobenzene	19.31	ND	20.00	ug/L	97%		70-130	1
Surrogates								
Dibromofluoromethane	48.11		50.00	ug/L	96%		70-130	1
1,2-Dichloroethane-d4	50.08		50.00	ug/L	100%		70-130	1
Toluene-d8	50.49		50.00	ug/L	101%		70-130	1
Bromofluorobenzene	48.66		50.00	ug/L	97%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1260550	Batch:	372276
Matrix (Source ID):	Water (533421-011)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1260550 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.32	ND	20.00	ug/L	97%		70-130	7	30	1
MTBE	24.06	5.251	20.00	ug/L	94%		75-130	3	30	1
Benzene	71.37	59.13	20.00	ug/L	61%	*	70-130	3	30	1
Trichloroethene	20.48	ND	20.00	ug/L	102%		63-130	9	30	1
Toluene	20.78	ND	20.00	ug/L	104%		70-130	9	30	1
Chlorobenzene	20.80	ND	20.00	ug/L	104%		70-130	7	30	1
Surrogates										
Dibromofluoromethane	48.50		50.00	ug/L	97%		70-130			1
1,2-Dichloroethane-d4	50.60		50.00	ug/L	101%		70-130			1
Toluene-d8	50.81		50.00	ug/L	102%		70-130			1
Bromofluorobenzene	50.06		50.00	ug/L	100%		70-130			1

Type:	Blank	Lab ID:	QC1258160	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	05/16/25	05/17/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		05/16/25	05/17/25

Type:	Lab Control Sample	Lab ID:	QC1258161	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.28	10.00	ug/L	103%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.14	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1258162	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.938	10.00	ug/L	99%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.839	10.00	ug/L	98%		80-120		

Type:	Blank	Lab ID:	QC1259084	Batch:	371867
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1259084 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		05/20/25	05/20/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1259085 **Batch:** 371867
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1259085 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1259272 **Batch:** 371867
Matrix (Source ID): Drinking Water (533131-007) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1259272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1259273 **Batch:** 371867
Matrix (Source ID): Drinking Water (533131-007) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1259273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	0	20	1

Type: Blank **Lab ID:** QC1260865 **Batch:** 372370
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260865 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	05/27/25	05/27/25

Type: Lab Control Sample **Lab ID:** QC1260868 **Batch:** 372370
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.86	25.00	mg/L	99%		85-115

Type: Matrix Spike **Lab ID:** QC1260869 **Batch:** 372370
Matrix (Source ID): Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260869 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.04	4.059	25.00	mg/L	96%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1260870 **Batch:** 372370
Matrix (Source ID): Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260870 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	27.55	4.059	25.00	mg/L	94%		75-125	2	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1258688	Batch: 371760
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1258688 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		05/19/25	05/19/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		05/19/25	05/19/25

Type: Lab Control Sample	Lab ID: QC1258689	Batch: 371760
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1258689 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,012	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1258690	Batch: 371760
Matrix (Source ID): Water (533258-006)	Method: SM2320B	Prep Method: METHOD

QC1258690 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	187.3	191.3	mg/L		2	20	5
Alkalinity, Total as CaCO3	187.3	191.3	mg/L		2	20	5

Type: Blank	Lab ID: QC1258949	Batch: 371831
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1258949 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		05/20/25	05/21/25

Type: Lab Control Sample	Lab ID: QC1258950	Batch: 371831
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1258950 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,014	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1258951	Batch: 371831
Matrix (Source ID): Water (533225-001)	Method: SM2540C	Prep Method: METHOD

QC1258951 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	508.0	486.0	mg/L		4	5	2

Type: Sample Duplicate	Lab ID: QC1258952	Batch: 371831
Matrix (Source ID): Water (533214-001)	Method: SM2540C	Prep Method: METHOD

QC1258952 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	770.0	738.0	mg/L		4	5	2

Batch QC

*	Value is outside QC limits
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 533146

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2505D17

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: PO-079649
Project: EO-533146

Project Location:
Project Received: 05/20/2025

Analytical Report reviewed & approved for release on 05/21/2025 by:

Jena Alfaro
Project Manager

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505D17

Project: EO-533146

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505D17

Project: EO-533146

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505D17
Date Received:	05/20/2025 12:02	**Extraction Method:**	RSK175
Date Prepared:	05/21/2025	**Analytical Method:**	RSK175
Project:	EO-533146	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-14	2505D17-001A	Water	05/14/2025 09:04	GC26 0521250904.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**440**	50	50	1	05/21/2025 10:45

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2505D17-002A	Water	05/14/2025 10:20	GC26 0521250906.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**14,000**	500	500	10	05/21/2025 11:16

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-17	2505D17-003A	Water	05/14/2025 11:26	GC26 0521250907.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**320**	50	50	1	05/21/2025 11:27

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505D17
Date Received:	05/20/2025 12:02	**Extraction Method:**	RSK175
Date Prepared:	05/21/2025	**Analytical Method:**	RSK175
Project:	EO-533146	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-15	2505D17-004A	Water	05/14/2025 12:46	GC26 0521250909.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**15,000**	500	500	10	05/21/2025 13:46

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505D17
Date Prepared:	05/21/2025	**BatchID:**	317836
Date Analyzed:	05/21/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-533146	**Sample ID:**	MB/LCS/LCSD-317836

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	74	76	70-130	1.81	30

McCampbell Analytical, Inc.
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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2505D17 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

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Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-533146

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 1 day;

Date Received: **05/20/2025**
Date Logged: **05/20/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2505D17-001	DW-14	Water	5/14/2025 09:04	☐	A	A										
2505D17-002	PZ-4	Water	5/14/2025 10:20	☐	A	A										
2505D17-003	DW-17	Water	5/14/2025 11:26	☐	A	A										
2505D17-004	DW-15	Water	5/14/2025 12:46	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Gemma Gomez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-533146 **Work Order:** 2505D17
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 5/20/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-14	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	5/14/2025 9:04	1 day	5/21/2025	Present	☐	☐
002A	PZ-4	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	5/14/2025 10:20	1 day	5/21/2025	Present	☐	☐
003A	DW-17	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	5/14/2025 11:26	1 day	5/21/2025	Present	☐	☐
004A	DW-15	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	5/14/2025 12:46	1 day	5/21/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2505D17

HOLD TIME RUSH

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-533146
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-14	14-MAY-2025 09:04	533146-001	3	Water	RSK-175 CO2	
PZ-4	14-MAY-2025 10:20	533146-002	3	Water	RSK-175 CO2	
DW-17	14-MAY-2025 11:26	533146-003	3	Water	RSK-175 CO2	
DW-15	14-MAY-2025 12:46	533146-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Chiara Roberts	GG
	Date: 5-19-25 16:26	Date: 5/20/25 12:02
	Date:	Date:
	Date:	Date:

GIS:563027678

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-533146

Date and Time Received: 5/20/2025 12:02
Date Logged: 5/20/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

WorkOrder №: 2505D17 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☑	No	☐	NA	☐
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.3°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 533265
Report Level : II
Report Date : 05/30/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	533265 GW MONITORING Chiquita Canyon Landfill, Quarterly MPars 05/15/25

Sample ID	Lab ID	Collected	Matrix
DW-1	533265-001	05/15/25 08:29	Water
DW-30	533265-002	05/15/25 09:24	Water
DW-16	533265-003	05/15/25 10:27	Water
DW-3	533265-004	05/15/25 11:26	Water
QCFB	533265-005	05/15/25 09:26	Water
QCTB	533265-006	05/15/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 533265 Project No: GW MONITORING Location: Chiquita Canyon Landfill, Quarterly MPars Date Received: 05/15/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 05/15/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCTB (lab # 533265-006) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- High response was observed for fluoride in the CCV analyzed 05/17/25 03:56; affected data was qualified with "b".
- High response was observed for fluoride in the CCV analyzed 05/17/25 08:07; affected data was qualified with "b".
- High response was observed for fluoride in the CCV analyzed 05/17/25 09:30; affected data was qualified with "b".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 533265

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 4.7/4.7 R13 +0.0 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-1	5/15/25	829	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-30	↓	924	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-16		1027				X	X	X	X	X	X	X	X	X
4	DW-3		1126		↓		X	X	X	X	X	X	X	X	X
5	QCFB	↓	926		3		X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

Analysis Request

Test Instructions / Comments

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Login 533265

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	5/15/25 1300
[1] Received By:		Hrag B.	EA-NH	5/15/25 1300
[2] Relinquished By:		Hrag B.	EA-NH	5/16/25 1130
[2] Received By:		Derek P	EA	5/16/25 1230
[3] Relinquished By:		Derek P	EA	5/16/25 1300
[3] Received By:		Adam Bakmeyer	EA	5/16/25 1300

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 05-15-25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walkin

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05-15-25 By (initials) AXT Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7 °C

Cooler Temp (°C) #1: 12.2 / 11.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 05/16/25 WO# 533265 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05/16/25 By (initials) DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 4.7 / 4.7 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			x
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?	x		
7) Does the container count match the CoC?	x		
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?			
10) Were samples received with > 1/2 holding time remaining?	x		
11) Are samples properly preserved as indicated by CoC / labels?	x		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 05/16/25 **By (print)** FPD **(sign)** _____

Date Labeled 05/16/25 **By (print)** GCK/YNN **(sign)** Adoj for GCK/YNN

ENTHALPY ANALYTICAL

Analysis Results for 533265

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 533265
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 05/15/25

Sample ID: DW-1 **Lab ID: 533265-001** **Collected: 05/15/25 08:29**
Matrix: Water

533265-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.79**		mg/L	0.20	0.073	1	372573	05/29/25 14:00	05/29/25 16:33	SSN
Chloride	**120**		mg/L	1.0	0.27	1	371559	05/16/25 13:45	05/16/25 14:57	SSN
Bromide	**0.29**	J	mg/L	0.30	0.060	1	371559	05/16/25 13:45	05/16/25 14:57	SSN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	371559	05/16/25 13:45	05/16/25 14:57	SSN
Sulfate	**400**		mg/L	10	2.5	10	371559	05/16/25 13:45	05/16/25 15:18	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372180	05/23/25	05/27/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**13**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	371629	05/17/25	05/18/25	KCD
Calcium	**58**		mg/L	0.57	0.57	1	371629	05/17/25	05/18/25	KCD
Iron	ND		mg/L	0.041	0.041	1	371629	05/17/25	05/18/25	KCD
Magnesium	**11**		mg/L	0.10	0.025	1	371629	05/17/25	05/18/25	KCD
Manganese	**0.047**		mg/L	0.010	0.0029	1	371629	05/17/25	05/18/25	KCD
Potassium	**2.3**		mg/L	0.50	0.40	1	371629	05/17/25	05/18/25	KCD
Sodium	**220**		mg/L	0.50	0.34	1	371629	05/17/25	05/18/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372496	05/29/25	05/29/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372496	05/29/25	05/29/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372496	05/29/25	05/29/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372496	05/29/25	05/29/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372496	05/29/25	05/29/25	ZST
Acetone	ND		ug/L	100	21	1	372496	05/29/25	05/29/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372496	05/29/25	05/29/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372496	05/29/25	05/29/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372496	05/29/25	05/29/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,1-Dichloroethane	**0.1**	J	ug/L	5.0	0.09	1	372496	05/29/25	05/29/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372496	05/29/25	05/29/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

533265-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372496	05/29/25	05/29/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372496	05/29/25	05/29/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372496	05/29/25	05/29/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372496	05/29/25	05/29/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Tetrachloroethene	**0.2**	J	ug/L	5.0	0.09	1	372496	05/29/25	05/29/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372496	05/29/25	05/29/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372496	05/29/25	05/29/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372496	05/29/25	05/29/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372496	05/29/25	05/29/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372496	05/29/25	05/29/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372496	05/29/25	05/29/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372496	05/29/25	05/29/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372496	05/29/25	05/29/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372496	05/29/25	05/29/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372496	05/29/25	05/29/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372496	05/29/25	05/29/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372496	05/29/25	05/29/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372496	05/29/25	05/29/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-130		1	372496	05/29/25	05/29/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

533265-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	97%		%REC	70-130		1	372496	05/29/25	05/29/25	ZST
Toluene-d8	105%		%REC	70-130		1	372496	05/29/25	05/29/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372496	05/29/25	05/29/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371971	05/21/25	05/21/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.83**	J	mg/L	1.0	0.68	1	372371	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**190**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	371769	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

Sample ID: DW-30	Lab ID: 533265-002	Collected: 05/15/25 09:24
	Matrix: Water	

533265-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.92**		mg/L	0.20	0.073	1	372573	05/29/25 14:00	05/29/25 16:50	SSN
Chloride	**59**		mg/L	1.0	0.27	1	371559	05/16/25 13:45	05/16/25 15:39	SSN
Bromide	**0.16**	J	mg/L	0.30	0.060	1	371559	05/16/25 13:45	05/16/25 15:39	SSN
Nitrogen, Nitrate	**0.22**		mg/L	0.10	0.05	1	371559	05/16/25 13:45	05/16/25 15:39	SSN
Sulfate	**350**		mg/L	10	2.5	10	371559	05/16/25 13:45	05/16/25 16:00	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372180	05/23/25	05/27/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**11**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	371629	05/17/25	05/18/25	KCD
Calcium	**38**		mg/L	0.57	0.57	1	371629	05/17/25	05/18/25	KCD
Iron	**0.24**		mg/L	0.046	0.046	1	371629	05/17/25	05/18/25	KCD
Magnesium	**5.9**		mg/L	0.10	0.025	1	371629	05/17/25	05/18/25	KCD
Manganese	**0.039**		mg/L	0.010	0.0029	1	371629	05/17/25	05/18/25	KCD
Potassium	**1.6**		mg/L	0.50	0.40	1	371629	05/17/25	05/18/25	KCD
Sodium	**190**		mg/L	0.50	0.34	1	371629	05/17/25	05/18/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372291	05/27/25	05/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Acetone	ND		ug/L	100	21	1	372291	05/27/25	05/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372291	05/27/25	05/27/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372291	05/27/25	05/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

533265-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372291	05/27/25	05/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372291	05/27/25	05/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Tetrachloroethene	**0.5**	J	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372291	05/27/25	05/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372291	05/27/25	05/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372291	05/27/25	05/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane-d4	95%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Toluene-d8	104%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533265

533265-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371971	05/21/25	05/21/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	372371	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**170**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**800**		mg/L	20		2	371769	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

Sample ID: DW-16	Lab ID: 533265-003	Collected: 05/15/25 10:27
	Matrix: Water	

533265-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.43**		mg/L	0.20	0.073	1	372573	05/29/25 14:00	05/29/25 17:06	SSN
Chloride	**110**		mg/L	1.0	0.27	1	371559	05/16/25 13:45	05/16/25 16:21	SSN
Bromide	**0.29**	J	mg/L	0.30	0.060	1	371559	05/16/25 13:45	05/16/25 16:21	SSN
Nitrogen, Nitrate	**2.4**		mg/L	0.10	0.05	1	371559	05/16/25 13:45	05/16/25 16:21	SSN
Sulfate	**200**		mg/L	10	2.5	10	371559	05/16/25 13:45	05/16/25 16:42	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372180	05/23/25	05/27/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**12**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.13**		mg/L	0.050	0.0055	1	371629	05/17/25	05/18/25	KCD
Calcium	**6.7**		mg/L	0.57	0.57	1	371629	05/17/25	05/18/25	KCD
Iron	ND		mg/L	0.041	0.041	1	371629	05/17/25	05/18/25	KCD
Magnesium	**0.39**		mg/L	0.10	0.025	1	371629	05/17/25	05/18/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	371629	05/17/25	05/18/25	KCD
Potassium	**0.73**		mg/L	0.50	0.40	1	371629	05/17/25	05/18/25	KCD
Sodium	**230**		mg/L	0.50	0.34	1	371629	05/17/25	05/18/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372291	05/27/25	05/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Vinyl Chloride	**0.2**	J	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Trichlorofluoromethane	**0.1**	J	ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Acetone	ND		ug/L	100	21	1	372291	05/27/25	05/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372291	05/27/25	05/27/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethane	**1.2**	J	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372291	05/27/25	05/27/25	ZST
cis-1,2-Dichloroethene	**0.9**	J	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Chloroform	**0.2**	J	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

533265-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	**0.2**	J	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Trichloroethene	**0.7**	J	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372291	05/27/25	05/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372291	05/27/25	05/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Tetrachloroethene	**0.7**	J	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372291	05/27/25	05/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372291	05/27/25	05/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,4-Dichlorobenzene	**0.3**	J	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372291	05/27/25	05/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane-d4	96%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Toluene-d8	105%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533265

533265-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371971	05/21/25	05/21/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.7**		mg/L	1.0	0.68	1	372371	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**230**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Alkalinity, Total as CaCO3	**230**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**730**		mg/L	20		2	371769	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

Sample ID: DW-3	Lab ID: 533265-004	Collected: 05/15/25 11:26
	Matrix: Water	

533265-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.69**		mg/L	0.20	0.073	1	372573	05/29/25 14:00	05/29/25 17:57	SSN
Chloride	**59**		mg/L	1.0	0.27	1	371559	05/16/25 13:45	05/16/25 17:02	SSN
Bromide	**0.19**	J	mg/L	0.30	0.060	1	371559	05/16/25 13:45	05/16/25 17:02	SSN
Nitrogen, Nitrate	**1.9**		mg/L	0.10	0.05	1	371559	05/16/25 13:45	05/16/25 17:02	SSN
Sulfate	**110**		mg/L	10	2.5	10	371559	05/16/25 13:45	05/16/25 17:23	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	372180	05/23/25	05/27/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**8.0**		mg/L	4.0	2.0	1	372078	05/22/25	05/23/25	ARM
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.26**		mg/L	0.050	0.0055	1	371629	05/17/25	05/18/25	KCD
Calcium	**33**		mg/L	0.57	0.57	1	371629	05/17/25	05/18/25	KCD
Iron	ND		mg/L	0.041	0.041	1	371629	05/17/25	05/18/25	KCD
Magnesium	**4.0**		mg/L	0.10	0.025	1	371629	05/17/25	05/18/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	371629	05/17/25	05/18/25	KCD
Potassium	**1.6**		mg/L	0.50	0.40	1	371629	05/17/25	05/18/25	KCD
Sodium	**110**		mg/L	0.50	0.34	1	371629	05/17/25	05/18/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372291	05/27/25	05/27/25	ZST
Freon 12	**4.1**	J	ug/L	5.0	0.2	1	372496	05/29/25	05/29/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Trichlorofluoromethane	**0.1**	J	ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Acetone	ND		ug/L	100	21	1	372291	05/27/25	05/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	372291	05/27/25	05/27/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethane	**0.3**	J	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372291	05/27/25	05/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

533265-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372291	05/27/25	05/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372291	05/27/25	05/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Tetrachloroethene	**0.8**	J	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372291	05/27/25	05/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372291	05/27/25	05/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372291	05/27/25	05/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Toluene-d8	104%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 533265

533265-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.88	1	371590	05/16/25	05/17/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	371590	05/16/25	05/17/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	371971	05/21/25	05/21/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.79**	J	mg/L	1.0	0.68	1	372371	05/27/25	05/28/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**180**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	371872	05/20/25	05/20/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**470**		mg/L	20		2	371769	05/19/25	05/20/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 533265

Sample ID: QCFB	Lab ID: 533265-005	Collected: 05/15/25 09:26
	Matrix: Water	

533265-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	372291	05/27/25	05/27/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Acetone	ND		ug/L	100	21	1	372291	05/27/25	05/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Methylene Chloride	**11**		ug/L	5.0	2.4	1	372291	05/27/25	05/27/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	372291	05/27/25	05/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Chloroform	**0.9**	J	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	372291	05/27/25	05/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	372291	05/27/25	05/27/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	372291	05/27/25	05/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	372291	05/27/25	05/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533265

533265-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372291	05/27/25	05/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	105%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane-d4	96%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Toluene-d8	105%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533265

Sample ID: QCTB	Lab ID: 533265-006	Collected: 05/15/25
	Matrix: Water	

533265-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND	H	ug/L	5.0	0.5	1	372291	05/27/25	05/27/25	ZST
Freon 12	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Chloromethane	ND	H	ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Vinyl Chloride	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromomethane	ND	H	ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Chloroethane	ND	H	ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Trichlorofluoromethane	ND	H	ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Acetone	ND	H	ug/L	100	21	1	372291	05/27/25	05/27/25	ZST
Freon 113	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethene	ND	H	ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Methylene Chloride	ND	H	ug/L	5.0	2.4	1	372291	05/27/25	05/27/25	ZST
MTBE	ND	H	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
trans-1,2-Dichloroethene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloroethane	ND	H	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
2-Butanone	ND	H	ug/L	100	1.7	1	372291	05/27/25	05/27/25	ZST
cis-1,2-Dichloroethene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
2,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Chloroform	**0.6**	H,J	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromochloromethane	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,1,1-Trichloroethane	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1-Dichloropropene	ND	H	ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Carbon Tetrachloride	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Benzene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Trichloroethene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromodichloromethane	ND	H	ug/L	5.0	0.08	1	372291	05/27/25	05/27/25	ZST
Dibromomethane	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
4-Methyl-2-Pentanone	ND	H	ug/L	5.0	1.0	1	372291	05/27/25	05/27/25	ZST
cis-1,3-Dichloropropene	ND	H	ug/L	5.0	0.06	1	372291	05/27/25	05/27/25	ZST
Toluene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
trans-1,3-Dichloropropene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,1,2-Trichloroethane	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichloropropane	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Tetrachloroethene	ND	H	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
Dibromochloromethane	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromoethane	ND	H	ug/L	5.0	0.07	1	372291	05/27/25	05/27/25	ZST
Chlorobenzene	ND	H	ug/L	5.0	0.09	1	372291	05/27/25	05/27/25	ZST
1,1,1,2-Tetrachloroethane	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Ethylbenzene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
m,p-Xylenes	ND	H	ug/L	10	0.2	1	372291	05/27/25	05/27/25	ZST
o-Xylene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Styrene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
Bromoform	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Isopropylbenzene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 533265

533265-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichloropropane	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Propylbenzene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
Bromobenzene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,3,5-Trimethylbenzene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
2-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
4-Chlorotoluene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
tert-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trimethylbenzene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
sec-Butylbenzene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
para-Isopropyl Toluene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
1,3-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,4-Dichlorobenzene	ND	H	ug/L	5.0	0.2	1	372291	05/27/25	05/27/25	ZST
n-Butylbenzene	ND	H	ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
1,2-Dichlorobenzene	ND	H	ug/L	5.0	0.1	1	372291	05/27/25	05/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND	H	ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,4-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Hexachlorobutadiene	ND	H	ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
Naphthalene	ND	H	ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
1,2,3-Trichlorobenzene	ND	H	ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
cis-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.4	1	372291	05/27/25	05/27/25	ZST
trans-1,4-Dichloro-2-butene	ND	H	ug/L	5.0	0.3	1	372291	05/27/25	05/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	372291	05/27/25	05/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	105%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
1,2-Dichloroethane-d4	96%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Toluene-d8	106%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST
Bromofluorobenzene	103%		%REC	70-130		1	372291	05/27/25	05/27/25	ZST

H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1258044	**Batch:** 371559
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1258044 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	05/16/25 13:45	05/16/25 14:16
Bromide	ND		mg/L	0.30	0.060	05/16/25 13:45	05/16/25 14:16
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	05/16/25 13:45	05/16/25 14:16
Sulfate	ND		mg/L	1.0	0.25	05/16/25 13:45	05/16/25 14:16

Type: Lab Control Sample	**Lab ID:** QC1258045	**Batch:** 371559
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1258045 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	49.33	50.00	mg/L	99%		90-110
Bromide	16.21	15.00	mg/L	108%		90-110
Nitrogen, Nitrate	4.941	4.518	mg/L	109%		90-110
Sulfate	27.02	25.00	mg/L	108%		90-110

Type: Matrix Spike	**Lab ID:** QC1258046	**Batch:** 371559
Matrix (Source ID): Water (533217-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1258046 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	108.1	6.776	100.0	mg/L	101%		80-120	1
Bromide	15.61	ND	15.00	mg/L	104%		80-120	1
Nitrogen, Nitrate	10.68	1.321	9.036	mg/L	104%		80-120	1
Sulfate	57.96	6.644	50.00	mg/L	103%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1258047	**Batch:** 371559
Matrix (Source ID): Water (533217-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1258047 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	107.8	6.776	100.0	mg/L	101%		80-120	0	20	1
Bromide	15.57	ND	15.00	mg/L	104%		80-120	0	20	1
Nitrogen, Nitrate	10.64	1.321	9.036	mg/L	103%		80-120	0	20	1
Sulfate	57.75	6.644	50.00	mg/L	102%		80-120	0	20	1

Type: Matrix Spike	**Lab ID:** QC1258186	**Batch:** 371559
Matrix (Source ID): Water (533323-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1258186 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	189.1	94.79	100.0	mg/L	94%		80-120	1
Bromide	15.62	ND	15.00	mg/L	104%		80-120	1
Nitrogen, Nitrate	9.539	ND	9.036	mg/L	106%		80-120	1
Sulfate	63.88	12.50	50.00	mg/L	103%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1258187	Batch:	371559
Matrix (Source ID):	Water (533323-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1258187 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	188.4	94.79	100.0	mg/L	94%		80-120	0	20	1
Bromide	15.55	ND	15.00	mg/L	104%		80-120	0	20	1
Nitrogen, Nitrate	9.502	ND	9.036	mg/L	105%		80-120	0	20	1
Sulfate	63.72	12.50	50.00	mg/L	102%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1261497	Batch:	372573
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1261497 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	05/29/25 14:00	05/29/25 15:09

Type:	Lab Control Sample	Lab ID:	QC1261498	Batch:	372573
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1261498 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.03	10.00	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1261499	Batch:	372573
Matrix (Source ID):	Drinking Water (533613-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1261499 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.94	0.4765	20.00	mg/L	102%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1261500	Batch:	372573
Matrix (Source ID):	Drinking Water (533613-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1261500 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.93	0.4765	20.00	mg/L	102%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1260193	Batch:	372180
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1260193 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	05/23/25	05/27/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1260194	Batch: 372180
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1260194 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.017	1.000	mg/L	102%		90-110

Type: Matrix Spike	Lab ID: QC1260195	Batch: 372180
Matrix (Source ID): Water (532644-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1260195 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.081	0.07857	1.000	mg/L	100%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1260196	Batch: 372180
Matrix (Source ID): Water (532644-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1260196 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.085	0.07857	1.000	mg/L	101%		90-110	0	20	1

Type: Matrix Spike	Lab ID: QC1260197	Batch: 372180
Matrix (Source ID): Water (533085-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1260197 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.046	ND	1.000	mg/L	105%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1260198	Batch: 372180
Matrix (Source ID): Water (533085-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1260198 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.068	ND	1.000	mg/L	107%		90-110	2	20	1

Type: Blank	Lab ID: QC1259838	Batch: 372078
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1259838 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/22/25	05/23/25

Type: Lab Control Sample	Lab ID: QC1259839	Batch: 372078
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1259839 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	110.0	100.0	mg/L	110%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1259840	Batch:	372078
Matrix (Source ID):	Water (533035-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259840 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	120.0	8.000	100.0	mg/L	112%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1259841	Batch:	372078
Matrix (Source ID):	Water (533035-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259841 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	114.0	8.000	100.0	mg/L	106%		75-125	5	20	2

Type:	Matrix Spike	Lab ID:	QC1259842	Batch:	372078
Matrix (Source ID):	Water (533265-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259842 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	112.0	8.000	100.0	mg/L	104%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1259843	Batch:	372078
Matrix (Source ID):	Water (533265-004)	Method:	EPA 410.4	Prep Method:	METHOD

QC1259843 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	116.0	8.000	100.0	mg/L	108%		75-125	4	20	2

Type:	Blank	Lab ID:	QC1258270	Batch:	371629
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1258270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	05/17/25	05/18/25
Calcium	ND		mg/L	0.57	0.57	05/17/25	05/18/25
Iron	ND		mg/L	0.041	0.041	05/17/25	05/18/25
Magnesium	ND		mg/L	0.10	0.025	05/17/25	05/18/25
Manganese	ND		mg/L	0.010	0.0029	05/17/25	05/18/25
Potassium	ND		mg/L	0.50	0.40	05/17/25	05/18/25
Sodium	ND		mg/L	0.50	0.34	05/17/25	05/18/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1258271**	**Batch:**	**371629**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1258271 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3636	0.4000	mg/L	91%		80-120
Calcium	19.10	20.40	mg/L	94%		80-120
Iron	0.3765	0.4000	mg/L	94%		80-120
Magnesium	18.91	20.40	mg/L	93%		80-120
Manganese	0.3707	0.4000	mg/L	93%		80-120
Potassium	21.49	24.00	mg/L	90%		80-120
Sodium	18.62	20.40	mg/L	91%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1258272**	**Batch:**	**371629**
Matrix (Source ID):	**Water (533265-003)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1258272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.4889	0.1286	0.4000	mg/L	90%		75-125	1
Calcium	25.82	6.698	20.40	mg/L	94%		75-125	1
Iron	0.3746	ND	0.4000	mg/L	94%		75-125	1
Magnesium	19.25	0.3910	20.40	mg/L	92%		75-125	1
Manganese	0.3664	ND	0.4000	mg/L	92%		75-125	1
Potassium	22.21	0.7265	24.00	mg/L	90%		75-125	1
Sodium	249.2	230.8	20.40	mg/L	90%	NM	75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1258273**	**Batch:**	**371629**
Matrix (Source ID):	**Water (533265-003)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1258273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.4891	0.1286	0.4000	mg/L	90%		75-125	0	20	1
Calcium	25.64	6.698	20.40	mg/L	93%		75-125	1	20	1
Iron	0.3714	ND	0.4000	mg/L	93%		75-125	1	20	1
Magnesium	19.21	0.3910	20.40	mg/L	92%		75-125	0	20	1
Manganese	0.3649	ND	0.4000	mg/L	91%		75-125	0	20	1
Potassium	22.12	0.7265	24.00	mg/L	89%		75-125	0	20	1
Sodium	249.7	230.8	20.40	mg/L	93%	NM	75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1260587	**Batch:** 372291	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1260587 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	05/27/25	05/27/25
Freon 12	ND		ug/L	5.0	0.2	05/27/25	05/27/25
Chloromethane	ND		ug/L	5.0	0.3	05/27/25	05/27/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Bromomethane	ND		ug/L	5.0	0.4	05/27/25	05/27/25
Chloroethane	ND		ug/L	5.0	0.3	05/27/25	05/27/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	05/27/25	05/27/25
Acetone	ND		ug/L	100	21	05/27/25	05/27/25
Freon 113	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	05/27/25	05/27/25
Methylene Chloride	ND		ug/L	5.0	2.4	05/27/25	05/27/25
MTBE	ND		ug/L	5.0	0.09	05/27/25	05/27/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	05/27/25	05/27/25
2-Butanone	ND		ug/L	100	1.7	05/27/25	05/27/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Chloroform	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/27/25	05/27/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	05/27/25	05/27/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/27/25	05/27/25
Benzene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Trichloroethene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Bromodichloromethane	ND		ug/L	5.0	0.08	05/27/25	05/27/25
Dibromomethane	ND		ug/L	5.0	0.2	05/27/25	05/27/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	05/27/25	05/27/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	05/27/25	05/27/25
Toluene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/27/25	05/27/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Tetrachloroethene	ND		ug/L	5.0	0.09	05/27/25	05/27/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	05/27/25	05/27/25
Chlorobenzene	ND		ug/L	5.0	0.09	05/27/25	05/27/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
m,p-Xylenes	ND		ug/L	10	0.2	05/27/25	05/27/25
o-Xylene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Styrene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
Bromoform	ND		ug/L	5.0	0.2	05/27/25	05/27/25
Isopropylbenzene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/27/25	05/27/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/27/25	05/27/25

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Batch QC

QC1260587 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
Bromobenzene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/27/25	05/27/25
n-Butylbenzene	ND		ug/L	5.0	0.4	05/27/25	05/27/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/27/25	05/27/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	05/27/25	05/27/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	05/27/25	05/27/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	05/27/25	05/27/25
Naphthalene	ND		ug/L	5.0	0.3	05/27/25	05/27/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	05/27/25	05/27/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	05/27/25	05/27/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	05/27/25	05/27/25
Xylene (total)	ND		ug/L	5.0		05/27/25	05/27/25
Surrogates				**Limits**			
Dibromofluoromethane	106%		%REC	70-130		05/27/25	05/27/25
1,2-Dichloroethane-d4	96%		%REC	70-130		05/27/25	05/27/25
Toluene-d8	105%		%REC	70-130		05/27/25	05/27/25
Bromofluorobenzene	101%		%REC	70-130		05/27/25	05/27/25

Type: Lab Control Sample **Lab ID:** QC1260588 **Batch:** 372291
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1260588 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	59.87	50.00	ug/L	120%		70-135
MTBE	50.71	50.00	ug/L	101%		70-130
Benzene	51.64	50.00	ug/L	103%		70-130
Trichloroethene	54.91	50.00	ug/L	110%		70-130
Toluene	52.78	50.00	ug/L	106%		70-130
Chlorobenzene	52.93	50.00	ug/L	106%		70-130
Surrogates						
Dibromofluoromethane	51.53	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	47.11	50.00	ug/L	94%		70-130
Toluene-d8	51.75	50.00	ug/L	104%		70-130
Bromofluorobenzene	48.90	50.00	ug/L	98%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1260589**	**Batch:**	**372291**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260589 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.38	50.00	ug/L	103%		70-135	15	30
MTBE	46.78	50.00	ug/L	94%		70-130	8	30
Benzene	46.99	50.00	ug/L	94%		70-130	9	30
Trichloroethene	49.29	50.00	ug/L	99%		70-130	11	30
Toluene	48.04	50.00	ug/L	96%		70-130	9	30
Chlorobenzene	49.28	50.00	ug/L	99%		70-130	7	30
Surrogates								
Dibromofluoromethane	51.56	50.00	ug/L	103%		70-130		
1,2-Dichloroethane-d4	46.84	50.00	ug/L	94%		70-130		
Toluene-d8	51.35	50.00	ug/L	103%		70-130		
Bromofluorobenzene	48.29	50.00	ug/L	97%		70-130		

Type:	**Matrix Spike**	**Lab ID:**	**QC1260672**	**Batch:**	**372291**
Matrix (Source ID):	**Water (533906-003)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260672 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,031	ND	1000	ug/L	103%		70-130	50
MTBE	1,058	ND	1000	ug/L	106%		75-130	50
Benzene	980.9	24.36	1000	ug/L	96%		70-130	50
Trichloroethene	996.5	ND	1000	ug/L	100%		63-130	50
Toluene	986.9	18.46	1000	ug/L	97%		70-130	50
Chlorobenzene	1,014	ND	1000	ug/L	101%		70-130	50
Surrogates								
Dibromofluoromethane	2,628		2500	ug/L	105%		70-130	50
1,2-Dichloroethane-d4	2,421		2500	ug/L	97%		70-130	50
Toluene-d8	2,575		2500	ug/L	103%		70-130	50
Bromofluorobenzene	2,447		2500	ug/L	98%		70-130	50

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1260673**	**Batch:**	**372291**
Matrix (Source ID):	**Water (533906-003)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1260673 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	1,033	ND	1000	ug/L	103%		70-130	0	30	50
MTBE	1,079	ND	1000	ug/L	108%		75-130	2	30	50
Benzene	990.5	24.36	1000	ug/L	97%		70-130	1	30	50
Trichloroethene	1,005	ND	1000	ug/L	101%		63-130	1	30	50
Toluene	977.4	18.46	1000	ug/L	96%		70-130	1	30	50
Chlorobenzene	998.1	ND	1000	ug/L	100%		70-130	2	30	50
Surrogates										
Dibromofluoromethane	2,653		2500	ug/L	106%		70-130			50
1,2-Dichloroethane-d4	2,411		2500	ug/L	96%		70-130			50
Toluene-d8	2,554		2500	ug/L	102%		70-130			50
Bromofluorobenzene	2,399		2500	ug/L	96%		70-130			50

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1261267	**Batch:** 372496	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1261267 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	05/29/25	05/29/25
Freon 12	ND		ug/L	5.0	0.2	05/29/25	05/29/25
Chloromethane	ND		ug/L	5.0	0.3	05/29/25	05/29/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Bromomethane	ND		ug/L	5.0	0.4	05/29/25	05/29/25
Chloroethane	ND		ug/L	5.0	0.3	05/29/25	05/29/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	05/29/25	05/29/25
Acetone	ND		ug/L	100	21	05/29/25	05/29/25
Freon 113	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	05/29/25	05/29/25
Methylene Chloride	ND		ug/L	5.0	2.4	05/29/25	05/29/25
MTBE	ND		ug/L	5.0	0.09	05/29/25	05/29/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	05/29/25	05/29/25
2-Butanone	ND		ug/L	100	1.7	05/29/25	05/29/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Chloroform	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/29/25	05/29/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	05/29/25	05/29/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/29/25	05/29/25
Benzene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Trichloroethene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Bromodichloromethane	ND		ug/L	5.0	0.08	05/29/25	05/29/25
Dibromomethane	ND		ug/L	5.0	0.2	05/29/25	05/29/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	05/29/25	05/29/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	05/29/25	05/29/25
Toluene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/29/25	05/29/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Tetrachloroethene	ND		ug/L	5.0	0.09	05/29/25	05/29/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	05/29/25	05/29/25
Chlorobenzene	ND		ug/L	5.0	0.09	05/29/25	05/29/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
m,p-Xylenes	ND		ug/L	10	0.2	05/29/25	05/29/25
o-Xylene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Styrene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
Bromoform	ND		ug/L	5.0	0.2	05/29/25	05/29/25
Isopropylbenzene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/29/25	05/29/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/29/25	05/29/25

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Batch QC

QC1261267 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
Bromobenzene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/29/25	05/29/25
n-Butylbenzene	ND		ug/L	5.0	0.4	05/29/25	05/29/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/29/25	05/29/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	05/29/25	05/29/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	05/29/25	05/29/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	05/29/25	05/29/25
Naphthalene	ND		ug/L	5.0	0.3	05/29/25	05/29/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	05/29/25	05/29/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	05/29/25	05/29/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	05/29/25	05/29/25
Xylene (total)	ND		ug/L	5.0		05/29/25	05/29/25
Surrogates				**Limits**			
Dibromofluoromethane	103%		%REC	70-130		05/29/25	05/29/25
1,2-Dichloroethane-d4	95%		%REC	70-130		05/29/25	05/29/25
Toluene-d8	106%		%REC	70-130		05/29/25	05/29/25
Bromofluorobenzene	102%		%REC	70-130		05/29/25	05/29/25

Type: Lab Control Sample **Lab ID:** QC1261268 **Batch:** 372496
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1261268 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	48.57	50.00	ug/L	97%		70-135
MTBE	46.99	50.00	ug/L	94%		70-130
Benzene	44.66	50.00	ug/L	89%		70-130
Trichloroethene	46.23	50.00	ug/L	92%		70-130
Toluene	46.37	50.00	ug/L	93%		70-130
Chlorobenzene	47.79	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	51.94	50.00	ug/L	104%		70-130
1,2-Dichloroethane-d4	48.08	50.00	ug/L	96%		70-130
Toluene-d8	51.37	50.00	ug/L	103%		70-130
Bromofluorobenzene	48.90	50.00	ug/L	98%		70-130

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1261269	Batch:	372496
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1261269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.84	50.00	ug/L	100%		70-135	3	30
MTBE	50.29	50.00	ug/L	101%		70-130	7	30
Benzene	46.97	50.00	ug/L	94%		70-130	5	30
Trichloroethene	47.80	50.00	ug/L	96%		70-130	3	30
Toluene	47.55	50.00	ug/L	95%		70-130	3	30
Chlorobenzene	49.35	50.00	ug/L	99%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.24	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	50.06	50.00	ug/L	100%		70-130		
Toluene-d8	50.57	50.00	ug/L	101%		70-130		
Bromofluorobenzene	47.92	50.00	ug/L	96%		70-130		

Type:	Matrix Spike	Lab ID:	QC1261317	Batch:	372496
Matrix (Source ID):	Water (533265-004)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1261317 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	21.40	ND	20.00	ug/L	107%		70-130	1
MTBE	19.69	ND	20.00	ug/L	98%		75-130	1
Benzene	19.65	ND	20.00	ug/L	98%		70-130	1
Trichloroethene	21.04	ND	20.00	ug/L	105%		63-130	1
Toluene	20.14	ND	20.00	ug/L	101%		70-130	1
Chlorobenzene	20.67	ND	20.00	ug/L	103%		70-130	1
Surrogates								
Dibromofluoromethane	52.43		50.00	ug/L	105%		70-130	1
1,2-Dichloroethane-d4	49.24		50.00	ug/L	98%		70-130	1
Toluene-d8	51.72		50.00	ug/L	103%		70-130	1
Bromofluorobenzene	48.91		50.00	ug/L	98%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1261318	Batch:	372496
Matrix (Source ID):	Water (533265-004)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1261318 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.84	ND	20.00	ug/L	99%		70-130	8	30	1
MTBE	19.01	ND	20.00	ug/L	95%		75-130	4	30	1
Benzene	18.58	ND	20.00	ug/L	93%		70-130	6	30	1
Trichloroethene	19.47	ND	20.00	ug/L	97%		63-130	8	30	1
Toluene	19.33	ND	20.00	ug/L	97%		70-130	4	30	1
Chlorobenzene	20.12	ND	20.00	ug/L	101%		70-130	3	30	1
Surrogates										
Dibromofluoromethane	52.20		50.00	ug/L	104%		70-130			1
1,2-Dichloroethane-d4	48.97		50.00	ug/L	98%		70-130			1
Toluene-d8	51.63		50.00	ug/L	103%		70-130			1
Bromofluorobenzene	48.96		50.00	ug/L	98%		70-130			1

Type:	Blank	Lab ID:	QC1258160	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	05/16/25	05/17/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		05/16/25	05/17/25

Type:	Lab Control Sample	Lab ID:	QC1258161	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.28	10.00	ug/L	103%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.14	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1258162	Batch:	371590
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1258162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.938	10.00	ug/L	99%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.839	10.00	ug/L	98%		80-120		

Type:	Blank	Lab ID:	QC1259444	Batch:	371971
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1259444 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		05/21/25	05/21/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1259445 **Batch:** 371971
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1259445 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1259659 **Batch:** 371971
Matrix (Source ID): Water (533541-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1259659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1259660 **Batch:** 371971
Matrix (Source ID): Water (533541-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1259660 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	0	20	1

Type: Blank **Lab ID:** QC1260871 **Batch:** 372371
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260871 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	05/27/25	05/29/25

Type: Lab Control Sample **Lab ID:** QC1260872 **Batch:** 372371
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260872 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	26.94	25.00	mg/L	108%		85-115

Type: Matrix Spike **Lab ID:** QC1260873 **Batch:** 372371
Matrix (Source ID): Water (533265-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.61	0.8307	25.00	mg/L	111%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1260874 **Batch:** 372371
Matrix (Source ID): Water (533265-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1260874 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	29.78	0.8307	25.00	mg/L	116%		75-125	4	25	1

Batch QC

Type: Blank	Lab ID: QC1259070	Batch: 371872
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1259070 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		05/20/25	05/20/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		05/20/25	05/20/25

Type: Lab Control Sample	Lab ID: QC1259071	Batch: 371872
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1259071 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	932.2	1000	mg/L	93%		90-110

Type: Sample Duplicate	Lab ID: QC1259072	Batch: 371872
Matrix (Source ID): Water (533420-001)	Method: SM2320B	Prep Method: METHOD

QC1259072 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	407.8	411.6	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	407.8	411.6	mg/L		1	20	2.5

Type: Blank	Lab ID: QC1258716	Batch: 371769
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1258716 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		05/19/25	05/20/25

Type: Lab Control Sample	Lab ID: QC1258717	Batch: 371769
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1258717 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,007	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1258718	Batch: 371769
Matrix (Source ID): Water (533265-001)	Method: SM2540C	Prep Method: METHOD

QC1258718 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	932.0	948.0	mg/L		2	5	2

ND Not Detected
NM Not Meaningful

Laboratory Job Number 533265

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2505D11

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: PO-079649
Project: EO-533265

Project Location:
Project Received: 05/20/2025

Analytical Report reviewed & approved for release on 05/22/2025 by:

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505D11

Project: EO-533265

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2505D11

Project: EO-533265

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505D11
Date Received:	05/20/2025 12:05	**Extraction Method:**	RSK175
Date Prepared:	05/21/2025	**Analytical Method:**	RSK175
Project:	EO-533265	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2505D11-001A	Water	05/15/2025 08:29	GC26 0521250911.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2900**	120	120	2.5	05/21/2025 14:34

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2505D11-002A	Water	05/15/2025 09:24	GC26 0521250913.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3200**	200	200	4	05/21/2025 15:19

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-16	2505D11-003A	Water	05/15/2025 10:27	GC26 0521250914.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1500**	50	50	1	05/21/2025 15:31

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505D11
Date Received:	05/20/2025 12:05	**Extraction Method:**	RSK175
Date Prepared:	05/21/2025	**Analytical Method:**	RSK175
Project:	EO-533265	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-3	2505D11-004A	Water	05/15/2025 11:26	GC26 0521250916.D	317836

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3700**	200	200	4	05/21/2025 17:07

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2505D11
Date Prepared:	05/21/2025	**BatchID:**	317836
Date Analyzed:	05/21/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-533265	**Sample ID:**	MB/LCS/LCSD-317836

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	74	76	70-130	1.81	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2505D11 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-533265

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **05/20/2025**
Date Logged: **05/20/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2505D11-001	DW-1	Water	5/15/2025 08:29	☐	A	A										
2505D11-002	DW-30	Water	5/15/2025 09:24	☐	A	A										
2505D11-003	DW-16	Water	5/15/2025 10:27	☐	A	A										
2505D11-004	DW-3	Water	5/15/2025 11:26	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Gemma Gomez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-533265 **Work Order:** 2505D11
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 5/20/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-1	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	5/15/2025 8:29	2 days	5/22/2025	Present	☐	☐
002A	DW-30	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	5/15/2025 9:24	2 days	5/22/2025	Present	☐	☐
003A	DW-16	Water	RSK175 (CO2)	3	VOA w/ HCl	☐	☐	☐	5/15/2025 10:27	2 days	5/22/2025	Present	☐	☐
004A	DW-3	Water	RSK175 (CO2)	1	VOA w/ HCl	☐	☐	☐	5/15/2025 11:26	2 days	5/22/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2505011

HOLD TIME RUSH

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-533265
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-1	15-MAY-2025 08:29	533265-001	3	Water	RSK-175 CO2	
DW-30	15-MAY-2025 09:24	533265-002	3	Water	RSK-175 CO2	
DW-16	15-MAY-2025 10:27	533265-003	3	Water	RSK-175 CO2	
DW-3	15-MAY-2025 11:26	533265-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Anna Bolotti	
	Date: 5-19-25 16:26	Date: 5/20/25 12:05
	Date:	Date:
	Date:	Date:

1 of 1

915:563027678

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	5/20/2025 12:05
Project:	EO-533265	Date Logged:	5/20/2025
		Received by:	Gemma Gomez
WorkOrder №:	2505D11 Matrix: Water	Logged by:	Gemma Gomez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 0.3°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

48 of 48

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535016
Report Level : II
Report Date : 06/24/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	535016 GW MONITORING Chiquita Canyon Landfill, Quarterly MPars 06/09/25

Sample ID	Lab ID	Collected	Matrix
DW-18	535016-001	06/09/25 08:27	Water
DW-21	535016-002	06/09/25 09:08	Water
DW-31	535016-003	06/09/25 10:24	Water
DW-12	535016-004	06/09/25 11:28	Water
DW-7	535016-005	06/09/25 12:42	Water
QCFB	535016-006	06/09/25 10:26	Water
QCTB	535016-007	06/09/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 535016 Project No: GW MONITORING Location: Chiquita Canyon Landfill, Quarterly MPars Date Received: 06/09/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 06/10/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for benzene, toluene, and chlorobenzene in the MSD for batch 374323; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- High recoveries were observed for bromide, fluoride, and nitrogen, nitrate in the MSD of DW-18 (lab # 535016-001); the LCS was within limits, and the associated RPDs were within limits.
- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD of DW-18 (lab # 535016-001); affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

- Low recoveries were observed for sulfide in the MS/MSD for batch 374050; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 535016

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 3.5/1R17 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-18	6/9/25	827	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-21		908		13		X	X	X	X	X	X	X	X	X
3	DW-31		1024		13		X	X	X	X	X	X	X	X	X
4	DW-12		1128		14		X	X	X	X	X	X	X	X	X
5	DW-7		1242		14		X	X	X	X	X	X	X	X	X
6	QCFB		1026		3		X								
7	QCTB	—	—		2		X								
8															
9															
10															

Analysis Request

Test Instructions / Comments

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Login 535016

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CE	6/9/25 1350
[1] Received By:		Jim Lin	SA·NH	6/9/25 1350
[2] Relinquished By:		Jim Lin	SA·NH	6·10·25 9:30
[2] Received By:		GEMA O.	EANH	6.10.25 9:30
[3] Relinquished By:		Gema O.	EANH	6/10/25 10:35
[3] Received By:		Derek P	EA	6/10/25 10:35

REL: Derek P EA 6/10/25 1700 Received By: NCM 6/10/25 1300

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 6.9.25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6.9.25 By (initials) JWL Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 11.8 / 11.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 6/10/25 WO# 535016 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6/10/25 By (initials) DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 3.5 / 3.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			X
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?			
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 6/9/25 **By (print)** AGR **(sign)** _____

Date Labeled 6/10/25 **By (print)** EP-CR **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 535016

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535016
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 06/09/25

Sample ID: DW-18 **Lab ID: 535016-001** **Collected: 06/09/25 08:27**
Matrix: Water

535016-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.24**		mg/L	0.20	0.073	1	373517	06/10/25 12:02	06/10/25 14:57	AJL
Chloride	**110**		mg/L	1.0	0.27	1	373517	06/10/25 12:02	06/10/25 14:57	AJL
Bromide	**0.30**		mg/L	0.30	0.060	1	373517	06/10/25 12:02	06/10/25 14:57	AJL
Nitrogen, Nitrate	**3.0**		mg/L	0.10	0.05	1	373517	06/10/25 12:02	06/10/25 14:57	AJL
Sulfate	**350**		mg/L	10	1.8	10	373517	06/10/25 12:02	06/10/25 15:48	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	373683	06/11/25	06/12/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**10**		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.32**		mg/L	0.050	0.0055	1	373552	06/10/25	06/10/25	CAP
Calcium	**25**		mg/L	1.0	0.57	1	373552	06/10/25	06/10/25	CAP
Iron	ND		mg/L	0.10	0.046	1	373552	06/10/25	06/10/25	CAP
Magnesium	**2.0**		mg/L	0.10	0.025	1	373552	06/10/25	06/10/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373552	06/10/25	06/10/25	CAP
Potassium	**1.4**		mg/L	0.50	0.40	1	373552	06/10/25	06/10/25	CAP
Sodium	**280**		mg/L	0.60	0.35	1	373552	06/10/25	06/10/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	8.8	1	374108	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	374108	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

535016-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Benzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	374108	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	374108	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374108	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

535016-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	109%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Toluene-d8	95%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.8**		mg/L	1.0	0.68	1	373701	06/11/25	06/11/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**290**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Alkalinity, Total as CaCO3	**290**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**980**		mg/L	20		2	373594	06/10/25	06/11/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

Sample ID: DW-21	Lab ID: 535016-002	Collected: 06/09/25 09:08
	Matrix: Water	

535016-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.86**		mg/L	0.20	0.073	1	373517	06/10/25 12:02	06/10/25 16:39	AJL
Chloride	**55**		mg/L	1.0	0.27	1	373517	06/10/25 12:02	06/10/25 16:39	AJL
Bromide	**0.14**	J	mg/L	0.30	0.060	1	373517	06/10/25 12:02	06/10/25 16:39	AJL
Nitrogen, Nitrate	**0.12**		mg/L	0.10	0.05	1	373517	06/10/25 12:02	06/10/25 16:39	AJL
Sulfate	**120**		mg/L	10	1.8	10	373517	06/10/25 12:02	06/10/25 16:56	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	373683	06/11/25	06/12/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.25**		mg/L	0.050	0.0055	1	373552	06/10/25	06/10/25	CAP
Calcium	**3.4**		mg/L	1.0	0.57	1	373552	06/10/25	06/10/25	CAP
Iron	**0.24**		mg/L	0.10	0.046	1	373552	06/10/25	06/10/25	CAP
Magnesium	**0.19**		mg/L	0.10	0.025	1	373552	06/10/25	06/10/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373552	06/10/25	06/10/25	CAP
Potassium	ND		mg/L	0.50	0.40	1	373552	06/10/25	06/10/25	CAP
Sodium	**140**		mg/L	0.60	0.35	1	373552	06/10/25	06/10/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	8.8	1	374108	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	374108	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535016

535016-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	374108	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	374108	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374108	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	108%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Toluene-d8	94%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535016

535016-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.92**	J	mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**120**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**450**		mg/L	20		2	373594	06/10/25	06/11/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535016

Sample ID: DW-31	Lab ID: 535016-003	Collected: 06/09/25 10:24
	Matrix: Water	

535016-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.23**		mg/L	0.20	0.073	1	373517	06/10/25 12:02	06/10/25 18:54	AJL
Chloride	**79**		mg/L	1.0	0.27	1	373517	06/10/25 12:02	06/10/25 18:54	AJL
Bromide	**0.56**		mg/L	0.30	0.060	1	373517	06/10/25 12:02	06/10/25 18:54	AJL
Nitrogen, Nitrate	**0.11**		mg/L	0.10	0.05	1	373517	06/10/25 12:02	06/10/25 18:54	AJL
Sulfate	**290**		mg/L	10	1.8	10	373517	06/10/25 12:02	06/10/25 19:11	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	373795	06/12/25	06/12/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**23**		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.49**		mg/L	0.050	0.0055	1	373552	06/10/25	06/10/25	CAP
Calcium	**150**		mg/L	1.0	0.57	1	373552	06/10/25	06/10/25	CAP
Iron	**0.10**		mg/L	0.10	0.046	1	373552	06/10/25	06/10/25	CAP
Magnesium	**28**		mg/L	0.10	0.025	1	373552	06/10/25	06/10/25	CAP
Manganese	**0.45**		mg/L	0.010	0.0029	1	373552	06/10/25	06/10/25	CAP
Potassium	**1.3**		mg/L	0.50	0.40	1	373552	06/10/25	06/10/25	CAP
Sodium	**120**		mg/L	0.60	0.35	1	373552	06/10/25	06/10/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	8.8	1	374108	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	374108	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

535016-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	374108	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	374108	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374108	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	111%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Toluene-d8	95%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535016

535016-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**10**		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**14**		mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**490**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Alkalinity, Total as CaCO3	**490**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,000**		mg/L	20		2	373594	06/10/25	06/11/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

Sample ID: DW-12	Lab ID: 535016-004	Collected: 06/09/25 11:28
	Matrix: Water	

535016-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.62**		mg/L	0.20	0.073	1	373517	06/10/25 12:02	06/10/25 19:27	AJL
Chloride	**190**		mg/L	1.0	0.27	1	373517	06/10/25 12:02	06/10/25 19:27	AJL
Bromide	**0.71**		mg/L	0.30	0.060	1	373517	06/10/25 12:02	06/10/25 19:27	AJL
Nitrogen, Nitrate	**3.8**		mg/L	0.10	0.05	1	373517	06/10/25 12:02	06/10/25 19:27	AJL
Sulfate	**300**		mg/L	10	1.8	10	373517	06/10/25 12:02	06/10/25 19:44	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	373795	06/12/25	06/12/25	DAD
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.21**		mg/L	0.050	0.0055	1	373552	06/10/25	06/10/25	CAP
Calcium	**23**		mg/L	1.0	0.57	1	373552	06/10/25	06/10/25	CAP
Iron	ND		mg/L	0.10	0.046	1	373552	06/10/25	06/10/25	CAP
Magnesium	**2.9**		mg/L	0.10	0.025	1	373552	06/10/25	06/10/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373552	06/10/25	06/10/25	CAP
Potassium	**1.6**		mg/L	0.50	0.40	1	373552	06/10/25	06/10/25	CAP
Sodium	**270**		mg/L	0.60	0.35	1	373552	06/10/25	06/10/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	8.8	1	374108	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	374108	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

535016-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	374108	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	374108	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374108	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	94%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	107%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Toluene-d8	95%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535016

535016-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**180**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	373594	06/10/25	06/11/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535016

Sample ID: DW-7	Lab ID: 535016-005	Collected: 06/09/25 12:42
	Matrix: Water	

535016-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.17**	J	mg/L	0.20	0.073	1	373517	06/10/25 12:02	06/10/25 20:01	AJL
Chloride	**84**		mg/L	1.0	0.27	1	373517	06/10/25 12:02	06/10/25 20:01	AJL
Bromide	**0.16**	J	mg/L	0.30	0.060	1	373517	06/10/25 12:02	06/10/25 20:01	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	373517	06/10/25 12:02	06/10/25 20:01	AJL
Sulfate	**660**		mg/L	10	1.8	10	373517	06/10/25 12:02	06/10/25 20:18	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	374373	06/19/25	06/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.17**		mg/L	0.050	0.0055	1	373552	06/10/25	06/10/25	CAP
Calcium	**32**		mg/L	1.0	0.57	1	373552	06/10/25	06/10/25	CAP
Iron	ND		mg/L	0.10	0.046	1	373552	06/10/25	06/10/25	CAP
Magnesium	**1.6**		mg/L	0.10	0.025	1	373552	06/10/25	06/10/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373552	06/10/25	06/10/25	CAP
Potassium	**1.1**		mg/L	0.50	0.40	1	373552	06/10/25	06/10/25	CAP
Sodium	**330**		mg/L	0.60	0.35	1	373552	06/10/25	06/10/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	8.8	1	374108	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	374108	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

535016-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	374108	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	374108	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374108	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	107%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Toluene-d8	95%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535016

535016-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	97%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**110**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Alkalinity, Total as CaCO3	**110**		mg/L	5.0		2.5	373703	06/11/25	06/11/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	373594	06/10/25	06/11/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535016

Sample ID: QCFB	Lab ID: 535016-006	Collected: 06/09/25 10:26
	Matrix: Water	

535016-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	8.8	1	374108	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Methylene Chloride	**7.4**		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	374108	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Chloroform	**0.7**	J	ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Benzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	374108	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	374108	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	374108	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

535016-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	374108	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	374108	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	374108	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	374108	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	374108	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	374108	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	374108	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374108	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	374108	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374108	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	108%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Toluene-d8	95%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	374108	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

Sample ID: QCTB	Lab ID: 535016-007	Collected: 06/09/25
	Matrix: Water	

535016-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374323	06/19/25	06/19/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374323	06/19/25	06/19/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374323	06/19/25	06/19/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374323	06/19/25	06/19/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374323	06/19/25	06/19/25	ZST
Acetone	ND		ug/L	100	21	1	374323	06/19/25	06/19/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374323	06/19/25	06/19/25	ZST
Methylene Chloride	**7.3**		ug/L	5.0	2.4	1	374323	06/19/25	06/19/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374323	06/19/25	06/19/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374323	06/19/25	06/19/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374323	06/19/25	06/19/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Chloroform	**0.9**	J	ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374323	06/19/25	06/19/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374323	06/19/25	06/19/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374323	06/19/25	06/19/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374323	06/19/25	06/19/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374323	06/19/25	06/19/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374323	06/19/25	06/19/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374323	06/19/25	06/19/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374323	06/19/25	06/19/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535016

535016-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374323	06/19/25	06/19/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374323	06/19/25	06/19/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374323	06/19/25	06/19/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374323	06/19/25	06/19/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374323	06/19/25	06/19/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374323	06/19/25	06/19/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374323	06/19/25	06/19/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374323	06/19/25	06/19/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374323	06/19/25	06/19/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374323	06/19/25	06/19/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374323	06/19/25	06/19/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-130		1	374323	06/19/25	06/19/25	ZST
1,2-Dichloroethane-d4	96%		%REC	70-130		1	374323	06/19/25	06/19/25	ZST
Toluene-d8	102%		%REC	70-130		1	374323	06/19/25	06/19/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	374323	06/19/25	06/19/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1264665	**Batch:** 373517
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1264665 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	06/10/25 12:02	06/10/25 14:24
Chloride	ND		mg/L	1.0	0.27	06/10/25 12:02	06/10/25 14:24
Bromide	ND		mg/L	0.30	0.060	06/10/25 12:02	06/10/25 14:24
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	06/10/25 12:02	06/10/25 14:24
Sulfate	ND		mg/L	1.0	0.18	06/10/25 12:02	06/10/25 14:24

Type: Lab Control Sample	**Lab ID:** QC1264666	**Batch:** 373517
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1264666 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.993	10.00	mg/L	100%		90-110
Chloride	48.17	50.00	mg/L	96%		90-110
Bromide	15.28	15.00	mg/L	102%		90-110
Nitrogen, Nitrate	4.662	4.518	mg/L	103%		90-110
Sulfate	24.89	25.00	mg/L	100%		90-110

Type: Matrix Spike	**Lab ID:** QC1264738	**Batch:** 373517
Matrix (Source ID): Water (535016-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1264738 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	23.93	0.2434	20.00	mg/L	118%		80-129	1
Chloride	218.4	113.8	100.0	mg/L	105%	E	80-123	1
Bromide	17.36	0.3035	15.00	mg/L	114%		80-121	1
Nitrogen, Nitrate	13.38	3.050	9.036	mg/L	114%		80-123	1
Sulfate	331.0	347.2	50.00	mg/L	-32%	E,NM	79-124	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1264739	**Batch:** 373517
Matrix (Source ID): Water (535016-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1264739 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	27.96	0.2434	20.00	mg/L	139%	*	80-129	16	21	1
Chloride	235.3	113.8	100.0	mg/L	122%	E	80-123		20	1
Bromide	20.33	0.3035	15.00	mg/L	133%	*	80-121	16	20	1
Nitrogen, Nitrate	15.08	3.050	9.036	mg/L	133%	*	80-123	12	20	1
Sulfate	335.5	347.2	50.00	mg/L	-24%	E,NM	79-124		20	1

Batch QC

Type:	Matrix Spike	Lab ID:	QC1264824	Batch:	373517
Matrix (Source ID):	Water (535131-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1264824 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.39	ND	20.00	mg/L	107%		80-129	1
Chloride	104.8	0.5548	100.0	mg/L	104%		80-123	1
Bromide	15.50	ND	15.00	mg/L	103%		80-121	1
Nitrogen, Nitrate	9.683	0.07032	9.036	mg/L	106%		80-123	1
Sulfate	52.16	0.2422	50.00	mg/L	104%		79-124	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1264825	Batch:	373517
Matrix (Source ID):	Water (535131-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1264825 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.52	ND	20.00	mg/L	108%		80-129	1	21	1
Chloride	105.8	0.5548	100.0	mg/L	105%		80-123	1	20	1
Bromide	15.62	ND	15.00	mg/L	104%		80-121	1	20	1
Nitrogen, Nitrate	9.787	0.07032	9.036	mg/L	108%		80-123	1	20	1
Sulfate	52.48	0.2422	50.00	mg/L	104%		79-124	1	20	1

Type:	Blank	Lab ID:	QC1265194	Batch:	373683
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1265194 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	06/11/25	06/12/25

Type:	Lab Control Sample	Lab ID:	QC1265195	Batch:	373683
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1265195 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9798	1.000	mg/L	98%		90-110

Type:	Matrix Spike	Lab ID:	QC1265198	Batch:	373683
Matrix (Source ID):	Water (534673-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1265198 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9888	ND	1.000	mg/L	99%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1265199	Batch:	373683
Matrix (Source ID):	Water (534673-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1265199 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9593	ND	1.000	mg/L	96%		90-110	3	20	1

Type:	Lab Control Sample	Lab ID:	QC1265630	Batch:	373683
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1265630 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9816	1.000	mg/L	98%		90-110

Type:	Lab Control Sample	Lab ID:	QC1265631	Batch:	373683
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1265631 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9730	1.000	mg/L	97%		90-110

Type:	Lab Control Sample	Lab ID:	QC1265632	Batch:	373683
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1265632 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9398	1.000	mg/L	94%		90-110

Type:	Blank	Lab ID:	QC1265550	Batch:	373795
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1265550 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	06/12/25	06/12/25

Type:	Lab Control Sample	Lab ID:	QC1265551	Batch:	373795
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1265551 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9329	1.000	mg/L	93%		90-110

Type:	Matrix Spike	Lab ID:	QC1265552	Batch:	373795
Matrix (Source ID):	Water (535016-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1265552 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9563	ND	1.000	mg/L	96%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1265553**
Matrix (Source ID):	**Water (535016-003)**	**Method:**	**EPA 350.1**
Batch:	**373795**		
Prep Method:	**METHOD**		

QC1265553 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9803	ND	1.000	mg/L	98%		90-110	2	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1267564**
Matrix:	**Water**	**Method:**	**EPA 350.1**
Batch:	**374373**		
Prep Method:	**METHOD**		

QC1267564 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.026	1.000	mg/L	103%		90-110

Type:	**Blank**	**Lab ID:**	**QC1267565**
Matrix:	**Water**	**Method:**	**EPA 350.1**
Batch:	**374373**		
Prep Method:	**METHOD**		

QC1267565 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.034	06/19/25	06/20/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1267566**
Matrix (Source ID):	**Water (535016-005)**	**Method:**	**EPA 350.1**
Batch:	**374373**		
Prep Method:	**METHOD**		

QC1267566 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.044	ND	1.000	mg/L	104%		90-110	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1267567**
Matrix (Source ID):	**Water (535016-005)**	**Method:**	**EPA 350.1**
Batch:	**374373**		
Prep Method:	**METHOD**		

QC1267567 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9878	ND	1.000	mg/L	99%		90-110	6	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1267568**
Matrix (Source ID):	**Water (535069-001)**	**Method:**	**EPA 350.1**
Batch:	**374373**		
Prep Method:	**METHOD**		

QC1267568 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.144	0.1718	1.000	mg/L	97%		90-110	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1267569	Batch:	374373
Matrix (Source ID):	Water (535069-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267569 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.272	0.1718	1.000	mg/L	110%		90-110	11	20	1

Type:	Blank	Lab ID:	QC1268268	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268268 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	06/22/25	06/22/25

Type:	Lab Control Sample	Lab ID:	QC1268269	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	97.00	100.0	mg/L	97%		90-110

Type:	Matrix Spike	Lab ID:	QC1268270	Batch:	374561
Matrix (Source ID):	Water (535016-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268270 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1268271	Batch:	374561
Matrix (Source ID):	Water (535016-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268271 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	0	20	2

Type:	Matrix Spike	Lab ID:	QC1268272	Batch:	374561
Matrix (Source ID):	Water (535279-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	86.00	ND	100.0	mg/L	86%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1268273**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535279-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	88.00	ND	100.0	mg/L	88%		75-125	2	20	2

Type:	**Blank**	**Lab ID:**	**QC1264786**	**Batch:**	**373552**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1264786 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	06/10/25	06/10/25
Calcium	ND		mg/L	0.57	0.57	06/10/25	06/10/25
Iron	ND		mg/L	0.046	0.046	06/10/25	06/10/25
Magnesium	ND		mg/L	0.10	0.025	06/10/25	06/10/25
Manganese	ND		mg/L	0.010	0.0029	06/10/25	06/10/25
Potassium	ND		mg/L	0.50	0.40	06/10/25	06/10/25
Sodium	ND		mg/L	0.50	0.35	06/10/25	06/10/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1264787**	**Batch:**	**373552**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1264787 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3702	0.4000	mg/L	93%		80-120
Calcium	18.74	20.40	mg/L	92%		80-120
Iron	0.3823	0.4000	mg/L	96%		80-120
Magnesium	19.41	20.40	mg/L	95%		80-120
Manganese	0.3782	0.4000	mg/L	95%		80-120
Potassium	22.69	24.00	mg/L	95%		80-120
Sodium	19.16	20.40	mg/L	94%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1264788**	**Batch:**	**373552**
Matrix (Source ID):	**Water (535016-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1264788 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6827	0.3188	0.4000	mg/L	91%		75-125	1
Calcium	42.16	24.72	20.40	mg/L	86%		75-125	1
Iron	0.3767	ND	0.4000	mg/L	94%		75-125	1
Magnesium	20.71	1.965	20.40	mg/L	92%		75-125	1
Manganese	0.3672	ND	0.4000	mg/L	92%		75-125	1
Potassium	23.73	1.390	24.00	mg/L	93%		75-125	1
Sodium	299.0	284.7	20.40	mg/L	70%	NM	75-125	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1264789	Batch:	373552
Matrix (Source ID):	Water (535016-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1264789 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6865	0.3188	0.4000	mg/L	92%		75-125	1	20	1
Calcium	42.63	24.72	20.40	mg/L	88%		75-125	1	20	1
Iron	0.3814	ND	0.4000	mg/L	95%		75-125	1	22	1
Magnesium	21.27	1.965	20.40	mg/L	95%		75-125	3	20	1
Manganese	0.3724	ND	0.4000	mg/L	93%		75-125	1	20	1
Potassium	24.23	1.390	24.00	mg/L	95%		75-125	2	20	1
Sodium	297.5	284.7	20.40	mg/L	63%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1264813	Batch:	373552
Matrix (Source ID):	Water (535016-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1264813 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.3106	0.3188	mg/L				5
Calcium	24.43	24.72	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	1.984	1.965	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	ND	1.390	mg/L				5
Sodium	283.3	284.7	mg/L				5

Type:	Lab Control Sample	Lab ID:	QC1266715	Batch:	374108
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1266715 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	47.53	50.00	ug/L	95%		69-128
MTBE	52.80	50.00	ug/L	106%		66-125
Benzene	47.09	50.00	ug/L	94%		76-121
Trichloroethene	43.72	50.00	ug/L	87%		76-124
Toluene	43.64	50.00	ug/L	87%		76-120
Chlorobenzene	42.98	50.00	ug/L	86%		78-120
Surrogates						
Dibromofluoromethane	46.87	50.00	ug/L	94%		70-130
1,2-Dichloroethane-d4	50.97	50.00	ug/L	102%		70-130
Toluene-d8	47.40	50.00	ug/L	95%		70-130
Bromofluorobenzene	49.66	50.00	ug/L	99%		70-130

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1266716**	**Batch:**	**374108**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1266716 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.06	50.00	ug/L	98%		69-128	3	23
MTBE	55.25	50.00	ug/L	110%		66-125	5	22
Benzene	49.14	50.00	ug/L	98%		76-121	4	21
Trichloroethene	45.39	50.00	ug/L	91%		76-124	4	22
Toluene	45.23	50.00	ug/L	90%		76-120	4	21
Chlorobenzene	44.74	50.00	ug/L	89%		78-120	4	20
Surrogates								
Dibromofluoromethane	47.11	50.00	ug/L	94%		70-130		
1,2-Dichloroethane-d4	51.89	50.00	ug/L	104%		70-130		
Toluene-d8	47.95	50.00	ug/L	96%		70-130		
Bromofluorobenzene	50.77	50.00	ug/L	102%		70-130		

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Batch QC

Type: Blank	**Lab ID:** QC1266717	**Batch:** 374108	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1266717 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
Freon 12	ND		ug/L	5.0	0.2	06/17/25	06/17/25
Chloromethane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Vinyl Chloride	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Bromomethane	ND		ug/L	5.0	0.3	06/17/25	06/17/25
Chloroethane	ND		ug/L	5.0	0.05	06/17/25	06/17/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Acetone	ND		ug/L	100	8.8	06/17/25	06/17/25
Freon 113	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Methylene Chloride	ND		ug/L	5.0	0.2	06/17/25	06/17/25
MTBE	ND		ug/L	5.0	0.1	06/17/25	06/17/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1-Dichloroethane	ND		ug/L	5.0	0.07	06/17/25	06/17/25
2-Butanone	ND		ug/L	100	0.9	06/17/25	06/17/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	06/17/25	06/17/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	06/17/25	06/17/25
Chloroform	ND		ug/L	5.0	0.07	06/17/25	06/17/25
Bromochloromethane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	06/17/25	06/17/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Carbon Tetrachloride	ND		ug/L	5.0	0.07	06/17/25	06/17/25
1,2-Dichloroethane	ND		ug/L	5.0	0.09	06/17/25	06/17/25
Benzene	ND		ug/L	5.0	0.07	06/17/25	06/17/25
Trichloroethene	ND		ug/L	5.0	0.05	06/17/25	06/17/25
1,2-Dichloropropane	ND		ug/L	5.0	0.07	06/17/25	06/17/25
Bromodichloromethane	ND		ug/L	5.0	0.05	06/17/25	06/17/25
Dibromomethane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	06/17/25	06/17/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Toluene	ND		ug/L	5.0	0.05	06/17/25	06/17/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	06/17/25	06/17/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	06/17/25	06/17/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Tetrachloroethene	ND		ug/L	5.0	0.09	06/17/25	06/17/25
Dibromochloromethane	ND		ug/L	5.0	0.07	06/17/25	06/17/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	06/17/25	06/17/25
Chlorobenzene	ND		ug/L	5.0	0.05	06/17/25	06/17/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	06/17/25	06/17/25
Ethylbenzene	ND		ug/L	5.0	0.04	06/17/25	06/17/25
m,p-Xylenes	ND		ug/L	10	0.1	06/17/25	06/17/25
o-Xylene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
Styrene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
Bromoform	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Isopropylbenzene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	06/17/25	06/17/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	06/17/25	06/17/25

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Batch QC

QC1266717 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.05	06/17/25	06/17/25
Bromobenzene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	06/17/25	06/17/25
2-Chlorotoluene	ND		ug/L	5.0	0.07	06/17/25	06/17/25
4-Chlorotoluene	ND		ug/L	5.0	0.08	06/17/25	06/17/25
tert-Butylbenzene	ND		ug/L	5.0	0.07	06/17/25	06/17/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	06/17/25	06/17/25
sec-Butylbenzene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	06/17/25	06/17/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	06/17/25	06/17/25
n-Butylbenzene	ND		ug/L	5.0	0.08	06/17/25	06/17/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	06/17/25	06/17/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	06/17/25	06/17/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Hexachlorobutadiene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
Naphthalene	ND		ug/L	5.0	0.3	06/17/25	06/17/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	06/17/25	06/17/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	06/17/25	06/17/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
Xylene (total)	ND		ug/L	5.0		06/17/25	06/17/25
Surrogates				**Limits**			
Dibromofluoromethane	97%		%REC	70-130		06/17/25	06/17/25
1,2-Dichloroethane-d4	107%		%REC	70-130		06/17/25	06/17/25
Toluene-d8	95%		%REC	70-130		06/17/25	06/17/25
Bromofluorobenzene	98%		%REC	70-130		06/17/25	06/17/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1266784**	**Batch:**	**374108**
Matrix (Source ID):	**Water (535016-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1266784 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	17.18	ND	20.00	ug/L	86%		62-131	1
MTBE	20.86	ND	20.00	ug/L	104%		61-124	1
Benzene	17.93	ND	20.00	ug/L	90%		70-123	1
Trichloroethene	17.23	ND	20.00	ug/L	86%		65-131	1
Toluene	16.55	ND	20.00	ug/L	83%		69-120	1
Chlorobenzene	16.90	ND	20.00	ug/L	85%		72-121	1
Surrogates								
Dibromofluoromethane	46.62		50.00	ug/L	93%		70-130	1
1,2-Dichloroethane-d4	51.42		50.00	ug/L	103%		70-130	1
Toluene-d8	47.78		50.00	ug/L	96%		70-130	1
Bromofluorobenzene	50.05		50.00	ug/L	100%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1266785	Batch:	374108
Matrix (Source ID):	Water (535016-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1266785 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	15.68	ND	20.00	ug/L	78%		62-131	9	31	1
MTBE	19.87	ND	20.00	ug/L	99%		61-124	5	30	1
Benzene	16.61	ND	20.00	ug/L	83%		70-123	8	31	1
Trichloroethene	15.68	ND	20.00	ug/L	78%		65-131	9	31	1
Toluene	15.27	ND	20.00	ug/L	76%		69-120	8	29	1
Chlorobenzene	15.50	ND	20.00	ug/L	78%		72-121	9	29	1
Surrogates										
Dibromofluoromethane	46.86		50.00	ug/L	94%		70-130			1
1,2-Dichloroethane-d4	52.58		50.00	ug/L	105%		70-130			1
Toluene-d8	47.59		50.00	ug/L	95%		70-130			1
Bromofluorobenzene	49.35		50.00	ug/L	99%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1267418	Batch:	374323
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1267418 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.40	50.00	ug/L	99%		69-128
MTBE	43.23	50.00	ug/L	86%		66-125
Benzene	51.87	50.00	ug/L	104%		76-121
Trichloroethene	50.36	50.00	ug/L	101%		76-124
Toluene	50.94	50.00	ug/L	102%		76-120
Chlorobenzene	49.99	50.00	ug/L	100%		78-120
Surrogates						
Dibromofluoromethane	48.49	50.00	ug/L	97%		70-130
1,2-Dichloroethane-d4	47.94	50.00	ug/L	96%		70-130
Toluene-d8	49.70	50.00	ug/L	99%		70-130
Bromofluorobenzene	48.76	50.00	ug/L	98%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1267419	Batch:	374323
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1267419 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	47.78	50.00	ug/L	96%		69-128	3	23
MTBE	42.12	50.00	ug/L	84%		66-125	3	22
Benzene	50.72	50.00	ug/L	101%		76-121	2	21
Trichloroethene	49.68	50.00	ug/L	99%		76-124	1	22
Toluene	50.36	50.00	ug/L	101%		76-120	1	21
Chlorobenzene	49.03	50.00	ug/L	98%		78-120	2	20
Surrogates								
Dibromofluoromethane	47.76	50.00	ug/L	96%		70-130		
1,2-Dichloroethane-d4	47.76	50.00	ug/L	96%		70-130		
Toluene-d8	50.16	50.00	ug/L	100%		70-130		
Bromofluorobenzene	47.60	50.00	ug/L	95%		70-130		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1267423**	**Batch:**	**374323**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267423 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	06/19/25	06/19/25
Freon 12	ND		ug/L	5.0	0.2	06/19/25	06/19/25
Chloromethane	ND		ug/L	5.0	0.3	06/19/25	06/19/25
Vinyl Chloride	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Bromomethane	ND		ug/L	5.0	0.4	06/19/25	06/19/25
Chloroethane	ND		ug/L	5.0	0.3	06/19/25	06/19/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	06/19/25	06/19/25
Acetone	ND		ug/L	100	21	06/19/25	06/19/25
Freon 113	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	06/19/25	06/19/25
Methylene Chloride	ND		ug/L	5.0	2.4	06/19/25	06/19/25
MTBE	ND		ug/L	5.0	0.09	06/19/25	06/19/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	06/19/25	06/19/25
2-Butanone	ND		ug/L	100	1.7	06/19/25	06/19/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Chloroform	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Bromochloromethane	ND		ug/L	5.0	0.2	06/19/25	06/19/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	06/19/25	06/19/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	06/19/25	06/19/25
Benzene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Trichloroethene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Bromodichloromethane	ND		ug/L	5.0	0.08	06/19/25	06/19/25
Dibromomethane	ND		ug/L	5.0	0.2	06/19/25	06/19/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	06/19/25	06/19/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	06/19/25	06/19/25
Toluene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	06/19/25	06/19/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Tetrachloroethene	ND		ug/L	5.0	0.09	06/19/25	06/19/25
Dibromochloromethane	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	06/19/25	06/19/25
Chlorobenzene	ND		ug/L	5.0	0.09	06/19/25	06/19/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Ethylbenzene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
m,p-Xylenes	ND		ug/L	10	0.2	06/19/25	06/19/25
o-Xylene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Styrene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
Bromoform	ND		ug/L	5.0	0.2	06/19/25	06/19/25
Isopropylbenzene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	06/19/25	06/19/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	06/19/25	06/19/25

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Batch QC

QC1267423 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
Bromobenzene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	06/19/25	06/19/25
n-Butylbenzene	ND		ug/L	5.0	0.4	06/19/25	06/19/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	06/19/25	06/19/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	06/19/25	06/19/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	06/19/25	06/19/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	06/19/25	06/19/25
Naphthalene	ND		ug/L	5.0	0.3	06/19/25	06/19/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	06/19/25	06/19/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	06/19/25	06/19/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	06/19/25	06/19/25
Xylene (total)	ND		ug/L	5.0		06/19/25	06/19/25
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		06/19/25	06/19/25
1,2-Dichloroethane-d4	97%		%REC	70-130		06/19/25	06/19/25
Toluene-d8	102%		%REC	70-130		06/19/25	06/19/25
Bromofluorobenzene	101%		%REC	70-130		06/19/25	06/19/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1267489**	**Batch:**	**374323**
Matrix (Source ID):	**Water (535738-002)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267489 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	16.11	ND	20.00	ug/L	81%		62-131	1
MTBE	15.61	ND	20.00	ug/L	78%		61-124	1
Benzene	17.34	ND	20.00	ug/L	87%		70-123	1
Trichloroethene	17.38	ND	20.00	ug/L	87%		65-131	1
Toluene	17.19	ND	20.00	ug/L	86%		69-120	1
Chlorobenzene	17.09	ND	20.00	ug/L	85%		72-121	1
Surrogates								
Dibromofluoromethane	48.53		50.00	ug/L	97%		70-130	1
1,2-Dichloroethane-d4	48.54		50.00	ug/L	97%		70-130	1
Toluene-d8	50.29		50.00	ug/L	101%		70-130	1
Bromofluorobenzene	48.89		50.00	ug/L	98%		70-130	1

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1267490	Batch:	374323
Matrix (Source ID):	Water (535738-002)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1267490 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	12.55	ND	20.00	ug/L	63%		62-131	25	31	1
MTBE	12.74	ND	20.00	ug/L	64%		61-124	20	30	1
Benzene	13.52	ND	20.00	ug/L	68%	*	70-123	25	31	1
Trichloroethene	13.77	ND	20.00	ug/L	69%		65-131	23	31	1
Toluene	13.70	ND	20.00	ug/L	68%	*	69-120	23	29	1
Chlorobenzene	13.79	ND	20.00	ug/L	69%	*	72-121	21	29	1
Surrogates										
Dibromofluoromethane	48.54		50.00	ug/L	97%		70-130			1
1,2-Dichloroethane-d4	49.37		50.00	ug/L	99%		70-130			1
Toluene-d8	50.30		50.00	ug/L	101%		70-130			1
Bromofluorobenzene	48.95		50.00	ug/L	98%		70-130			1

Type:	Blank	Lab ID:	QC1265202	Batch:	373691
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265202 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	06/11/25	06/14/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		06/11/25	06/14/25

Type:	Lab Control Sample	Lab ID:	QC1265203	Batch:	373691
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265203 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.43	10.00	ug/L	104%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.83	10.00	ug/L	108%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1265204	Batch:	373691
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265204 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	10.27	10.00	ug/L	103%		79-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.03	10.00	ug/L	100%		80-120		

Type:	Blank	Lab ID:	QC1266505	Batch:	374050
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1266505 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		06/16/25	06/16/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1266506 **Batch:** 374050
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266506 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1266507 **Batch:** 374050
Matrix (Source ID): Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266507 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1266508 **Batch:** 374050
Matrix (Source ID): Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266508 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	0	20	1

Type: Blank **Lab ID:** QC1265232 **Batch:** 373701
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265232 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	06/11/25	06/12/25

Type: Lab Control Sample **Lab ID:** QC1265233 **Batch:** 373701
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265233 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.82	25.00	mg/L	95%		85-115

Type: Matrix Spike **Lab ID:** QC1265234 **Batch:** 373701
Matrix (Source ID): Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265234 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.85	1.589	25.00	mg/L	109%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1265235 **Batch:** 373701
Matrix (Source ID): Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265235 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	29.07	1.589	25.00	mg/L	110%		75-125	1	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1265236	Batch: 373703
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1265236 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		06/11/25	06/11/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		06/11/25	06/11/25

Type: Lab Control Sample	Lab ID: QC1265239	Batch: 373703
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1265239 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,053	1000	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC1265977	Batch: 373703
Matrix (Source ID): Water (535016-005)	Method: SM2320B	Prep Method: METHOD

QC1265977 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	118.5	110.6	mg/L		7	20	2.5
Alkalinity, Total as CaCO3	118.5	110.6	mg/L		7	20	2.5

Type: Blank	Lab ID: QC1264920	Batch: 373594
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1264920 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		06/10/25	06/11/25

Type: Lab Control Sample	Lab ID: QC1264921	Batch: 373594
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1264921 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,002	1000	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1264922	Batch: 373594
Matrix (Source ID): Water (535012-001)	Method: SM2540C	Prep Method: METHOD

QC1264922 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,044	1018	mg/L		3	5	2

Type: Sample Duplicate	Lab ID: QC1264923	Batch: 373594
Matrix (Source ID): Water (535106-001)	Method: SM2540C	Prep Method: METHOD

QC1264923 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	3,292	3234	mg/L		2	5	2

Batch QC

*	Value is outside QC limits
E	Response exceeds instrument's linear range
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 535016

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2506925

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-535016

Project Location:
Project Received: 06/13/2025

Analytical Report reviewed & approved for release on 06/16/2025 by:

Yen Cao

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506925

Project: EO-535016

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506925

Project: EO-535016

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506925
Date Received:	06/13/2025 10:08	**Extraction Method:**	RSK175
Date Prepared:	06/16/2025	**Analytical Method:**	RSK175
Project:	EO-535016	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-18	2506925-001A	Water	06/09/2025 08:27	GC26 0616251105.D	319445

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3500**	200	200	4	06/16/2025 11:59

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-21	2506925-002A	Water	06/09/2025 09:08	GC26 0616251106.D	319445

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**360**	50	50	1	06/16/2025 13:02

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2506925-003A	Water	06/09/2025 10:24	GC26 0616251108.D	319445

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**40,000**	2500	2500	50	06/16/2025 13:53

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506925
Date Received:	06/13/2025 10:08	**Extraction Method:**	RSK175
Date Prepared:	06/16/2025	**Analytical Method:**	RSK175
Project:	EO-535016	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-12	2506925-004A	Water	06/09/2025 11:28	GC26 0616251109.D	319445

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1600**	50	50	1	06/16/2025 14:25

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-7	2506925-005A	Water	06/09/2025 12:42	GC26 0616251110.D	319445

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**950**	50	50	1	06/16/2025 14:43

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506925
Date Prepared:	06/16/2025	**BatchID:**	319445
Date Analyzed:	06/16/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-535016	**Sample ID:**	MB/LCS/LCSD-319445

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	75	73	70-130	2.06	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2506925 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 079649
Project: EO-535016

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **1 day;**

Date Received: **06/13/2025**
Date Logged: **06/13/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2506925-001	DW-18	Water	6/9/2025 08:27	☐	A	A										
2506925-002	DW-21	Water	6/9/2025 09:08	☐	A	A										
2506925-003	DW-31	Water	6/9/2025 10:24	☐	A	A										
2506925-004	DW-12	Water	6/9/2025 11:28	☐	A	A										
2506925-005	DW-7	Water	6/9/2025 12:42	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Valerie Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-535016
Comments

Work Order: 2506925
QC Level: LEVEL 2
Date Logged: 6/13/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-18	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/9/2025 8:27	1 day	6/16/2025	None	☐	☐
002A	DW-21	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/9/2025 9:08	1 day	6/16/2025	None	☐	☐
003A	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/9/2025 10:24	1 day	6/16/2025	Present	☐	☐
004A	DW-12	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/9/2025 11:28	1 day	6/16/2025	None	☐	☐
005A	DW-7	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/9/2025 12:42	1 day	6/16/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2506925

HOLD TIME RUSH

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-535016
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-18	09-JUN-2025 08:27	535016-001	3	Water	RSK-175 CO2	
DW-21	09-JUN-2025 09:08	535016-002	3	Water	RSK-175 CO2	
DW-31	09-JUN-2025 10:24	535016-003	3	Water	RSK-175 CO2	
DW-12	09-JUN-2025 11:28	535016-004	3	Water	RSK-175 CO2	
DW-7	09-JUN-2025 12:42	535016-005	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	EA-ORA	GLS
	Date: 6/10/25 1620	Date:
	GLS	
	Date:	Date: 6/13/25 1008
	Date:	Date:

1.1°wet
IR#3

TN: 563117164

1 of 1

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	6/13/2025 10:08
Project:	EO-535016	Date Logged:	6/13/2025
		Received by:	
WorkOrder №:	2506925 Matrix:	Logged by:	Valerie Alfaro
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.1°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments: Sample 2506925-001A with method RSK175 (CO2) was received unpreserved. Sample 2506925-002A with method RSK175 (CO2) was received unpreserved. Sample 2506925-003A with method RSK175 (CO2) was received unpreserved. Sample 2506925-004A with method RSK175 (CO2) was received unpreserved. Sample 2506925-005A with method RSK175 (CO2) was received unpreserved.

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Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535148
Report Level : II
Report Date : 06/25/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	535148 GW MONITORING Chiquita Canyon Landfill / Quarterly MPars 06/10/25

Sample ID	Lab ID	Collected	Matrix
DW-28	535148-001	06/10/25 08:59	Water
DW-8	535148-002	06/10/25 10:21	Water
DW-9	535148-003	06/10/25 11:31	Water
DW-29	535148-004	06/10/25 12:35	Water
QCFB	535148-005	06/10/25 11:34	Water
QCTB	535148-006	06/10/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 535148 Project No: GW MONITORING Location: Chiquita Canyon Landfill / Quarterly MPars Date Received: 06/10/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 06/11/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

- Low recoveries were observed for sulfide in the MS/MSD for batch 374050; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 535148

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 5.0/5.0 IR 14 +0.0 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-28	6/10/25	859	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-8	↓	1021	↓	↓	↓	X	X	X	X	X	X	X	X	X
3	DW-9	↓	1131	↓	↓	↓	X	X	X	X	X	X	X	X	X
4	DW-29	↓	1235	↓	↓	↓	X	X	X	X	X	X	X	X	X
5	QCFB	↓	1134	↓	3	↓	X								
6	QCTB	—	—	↓	2	↓	X								
7															
8															
9															
10															

Analysis Request

Test Instructions / Comments

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Login 535148

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	6.10.25 1335
[1] Received By:		Jim Lin	EA-NH	6.10.25 1335
[2] Relinquished By:		Jim Lin	EA-NH	6.11.25 9:30
[2] Received By:		Gema O.	EANH	6.11.25 9:30 ~~10:46~~
[3] Relinquished By:		Gema O.	EANH	6.11.25 10:46
[3] Received By:		Doruc	EA	6.11.25 1100

REL: Doruc EA 6/11/25 1300

Received By: NCM EA 6/11/25 1300

90 6.11.25

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 6.10.25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6.10.25 By (initials) JWL Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 14.3 / 13.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 6/11/25 WO# 535148 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6/11/25 By (initials) DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 5.0 / 5.0 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			X
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?		X	
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.10 A: Received Nitrate @ half holding time remaining

☐ **No additional discrepancies**

Date Logged 6/10/25 **By (print)** ABD **(sign)** ABD

Date Labeled 6/11/25 **By (print)** MSK & JXR **(sign)** Signed for MSK & JXR

ENTHALPY ANALYTICAL

Analysis Results for 535148

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535148
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 06/10/25

Sample ID: DW-28 **Lab ID: 535148-001** **Collected: 06/10/25 08:59**
Matrix: Water

535148-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**1.4**		mg/L	0.20	0.073	1	373677	06/11/25 14:45	06/11/25 18:37	AJL
Chloride	**36**		mg/L	1.0	0.27	1	373677	06/11/25 14:45	06/11/25 18:37	AJL
Bromide	**0.18**	J	mg/L	0.30	0.060	1	373677	06/11/25 14:45	06/11/25 18:37	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	373677	06/11/25 14:45	06/11/25 18:37	AJL
Sulfate	**470**		mg/L	10	1.8	10	373677	06/11/25 14:45	06/11/25 18:54	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.34**		mg/L	0.10	0.034	1	374373	06/19/25	06/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.3**		mg/L	0.050	0.0062	1	373713	06/11/25	06/11/25	CAP
Calcium	**4.7**		mg/L	1.0	0.57	1	373713	06/11/25	06/11/25	CAP
Iron	ND		mg/L	0.10	0.041	1	373713	06/11/25	06/11/25	CAP
Magnesium	**0.82**		mg/L	0.10	0.025	1	373713	06/11/25	06/11/25	CAP
Manganese	**0.0036**	J	mg/L	0.010	0.0029	1	373713	06/11/25	06/11/25	CAP
Potassium	**0.93**		mg/L	0.50	0.42	1	373713	06/11/25	06/11/25	CAP
Sodium	**350**		mg/L	0.50	0.34	1	373713	06/11/25	06/11/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374089	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	21	1	374089	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	374089	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374089	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

535148-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374089	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374089	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374089	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374089	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374089	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	104%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

535148-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	98%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Toluene-d8	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.77**	J	mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**300**		mg/L	5.0		2.5	373912	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**370**		mg/L	5.0		2.5	373912	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

Sample ID: DW-8	Lab ID: 535148-002	Collected: 06/10/25 10:21
	Matrix: Water	

535148-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.21**		mg/L	0.20	0.073	1	373677	06/11/25 14:45	06/11/25 19:11	AJL
Chloride	**68**		mg/L	1.0	0.27	1	373677	06/11/25 14:45	06/11/25 19:11	AJL
Bromide	**0.18**	J	mg/L	0.30	0.060	1	373677	06/11/25 14:45	06/11/25 19:11	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	373677	06/11/25 14:45	06/11/25 19:11	AJL
Sulfate	**2,900**		mg/L	50	9.1	50	373677	06/11/25 14:45	06/11/25 19:45	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**1.1**		mg/L	0.10	0.034	1	374373	06/19/25	06/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**1.0**		mg/L	0.050	0.0062	1	373713	06/11/25	06/11/25	CAP
Calcium	**350**		mg/L	1.0	0.57	1	373713	06/11/25	06/11/25	CAP
Iron	**5.2**		mg/L	0.10	0.041	1	373713	06/11/25	06/11/25	CAP
Magnesium	**210**		mg/L	0.10	0.025	1	373713	06/11/25	06/11/25	CAP
Manganese	**0.065**		mg/L	0.010	0.0029	1	373713	06/11/25	06/11/25	CAP
Potassium	**6.2**		mg/L	0.50	0.42	1	373713	06/11/25	06/11/25	CAP
Sodium	**590**		mg/L	0.50	0.34	1	373713	06/11/25	06/11/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374089	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	21	1	374089	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	374089	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374089	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

535148-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374089	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374089	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374089	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374089	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374089	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	104%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Toluene-d8	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535148

535148-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**2.8**		mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**530**		mg/L	10		5	373912	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**530**		mg/L	10		5	373912	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,700**		mg/L	40		4	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

Sample ID: DW-9	Lab ID: 535148-003	Collected: 06/10/25 11:31
	Matrix: Water	

535148-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**2.2**		mg/L	0.20	0.073	1	373677	06/11/25 14:45	06/11/25 20:01	AJL
Chloride	**82**		mg/L	1.0	0.27	1	373677	06/11/25 14:45	06/11/25 20:01	AJL
Bromide	**0.25**	J	mg/L	0.30	0.060	1	373677	06/11/25 14:45	06/11/25 20:01	AJL
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.05	1	373677	06/11/25 14:45	06/11/25 20:01	AJL
Sulfate	**690**		mg/L	10	1.8	10	373677	06/11/25 14:45	06/11/25 20:18	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	374373	06/19/25	06/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.58**		mg/L	0.050	0.0062	1	373713	06/11/25	06/11/25	CAP
Calcium	**21**		mg/L	1.0	0.57	1	373713	06/11/25	06/11/25	CAP
Iron	ND		mg/L	0.10	0.041	1	373713	06/11/25	06/11/25	CAP
Magnesium	**2.2**		mg/L	0.10	0.025	1	373713	06/11/25	06/11/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373713	06/11/25	06/11/25	CAP
Potassium	**1.2**		mg/L	0.50	0.42	1	373713	06/11/25	06/11/25	CAP
Sodium	**370**		mg/L	0.50	0.34	1	373713	06/11/25	06/11/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374089	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	21	1	374089	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	374089	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374089	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535148

535148-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374089	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374089	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374089	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374089	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374089	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Toluene-d8	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535148

535148-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	105%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**190**		mg/L	5.0		2.5	373912	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	5.0		2.5	373912	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535148

Sample ID: DW-29	Lab ID: 535148-004	Collected: 06/10/25 12:35
	Matrix: Water	

535148-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.36**		mg/L	0.20	0.073	1	373677	06/11/25 14:45	06/11/25 16:56	AJL
Chloride	**94**		mg/L	1.0	0.27	1	373677	06/11/25 14:45	06/11/25 16:56	AJL
Bromide	**0.29**	J	mg/L	0.30	0.060	1	373677	06/11/25 14:45	06/11/25 16:56	AJL
Nitrogen, Nitrate	**2.4**		mg/L	0.10	0.05	1	373677	06/11/25 14:45	06/11/25 16:56	AJL
Sulfate	**390**		mg/L	10	1.8	10	373677	06/11/25 14:45	06/11/25 17:46	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.47**		mg/L	0.10	0.034	1	374373	06/19/25	06/20/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**7.0**		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.35**		mg/L	0.050	0.0062	1	373713	06/11/25	06/11/25	CAP
Calcium	**67**		mg/L	1.0	0.57	1	373713	06/11/25	06/11/25	CAP
Iron	**0.076**	J	mg/L	0.10	0.041	1	373713	06/11/25	06/11/25	CAP
Magnesium	**9.0**		mg/L	0.10	0.025	1	373713	06/11/25	06/11/25	CAP
Manganese	**0.070**		mg/L	0.010	0.0029	1	373713	06/11/25	06/11/25	CAP
Potassium	**1.3**		mg/L	0.50	0.42	1	373713	06/11/25	06/11/25	CAP
Sodium	**230**		mg/L	0.50	0.34	1	373713	06/11/25	06/11/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374089	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	21	1	374089	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	374089	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374089	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

535148-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374089	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374089	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374089	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374089	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374089	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	104%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Toluene-d8	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535148

535148-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373691	06/11/25	06/14/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	373691	06/11/25	06/14/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374050	06/16/25	06/16/25	WWC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**7.5**		mg/L	1.0	0.68	1	373701	06/11/25	06/12/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**340**		mg/L	5.0		2.5	373912	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**340**		mg/L	5.0		2.5	373912	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,000**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

Sample ID: QCFB	Lab ID: 535148-005	Collected: 06/10/25 11:34
	Matrix: Water	

535148-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374089	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	21	1	374089	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Methylene Chloride	**7.7**		ug/L	5.0	2.4	1	374089	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374089	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Chloroform	**0.8**	J	ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374089	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374089	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374089	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374089	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

535148-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374089	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	104%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Toluene-d8	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

Sample ID: QCTB	Lab ID: 535148-006	Collected: 06/10/25
	Matrix: Water	

535148-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374089	06/17/25	06/17/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Acetone	ND		ug/L	100	21	1	374089	06/17/25	06/17/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Methylene Chloride	**6.9**		ug/L	5.0	2.4	1	374089	06/17/25	06/17/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374089	06/17/25	06/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Chloroform	**0.8**	J	ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374089	06/17/25	06/17/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374089	06/17/25	06/17/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374089	06/17/25	06/17/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374089	06/17/25	06/17/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374089	06/17/25	06/17/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374089	06/17/25	06/17/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535148

535148-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374089	06/17/25	06/17/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374089	06/17/25	06/17/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374089	06/17/25	06/17/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374089	06/17/25	06/17/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374089	06/17/25	06/17/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Toluene-d8	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	374089	06/17/25	06/17/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1265149	**Batch:** 373677
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1265149 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	06/11/25 14:45	06/11/25 15:15
Chloride	ND		mg/L	1.0	0.27	06/11/25 14:45	06/11/25 15:15
Bromide	ND		mg/L	0.30	0.060	06/11/25 14:45	06/11/25 15:15
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	06/11/25 14:45	06/11/25 15:15
Sulfate	ND		mg/L	1.0	0.18	06/11/25 14:45	06/11/25 15:15

Type: Lab Control Sample	**Lab ID:** QC1265150	**Batch:** 373677
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1265150 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.10	10.00	mg/L	101%		90-110
Chloride	48.34	50.00	mg/L	97%		90-110
Bromide	15.30	15.00	mg/L	102%		90-110
Nitrogen, Nitrate	4.641	4.518	mg/L	103%		90-110
Sulfate	25.02	25.00	mg/L	100%		90-110

Type: Matrix Spike	**Lab ID:** QC1265179	**Batch:** 373677
Matrix (Source ID): Water (535170-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1265179 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.81	0.07482	20.00	mg/L	99%		80-129	1
Chloride	117.9	13.57	100.0	mg/L	104%		80-123	1
Bromide	15.04	ND	15.00	mg/L	100%		80-121	1
Nitrogen, Nitrate	10.85	1.555	9.036	mg/L	103%		80-123	1
Sulfate	65.48	14.75	50.00	mg/L	101%		79-124	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1265180	**Batch:** 373677
Matrix (Source ID): Water (535170-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1265180 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.71	0.07482	20.00	mg/L	98%		80-129	1	21	1
Chloride	117.3	13.57	100.0	mg/L	104%		80-123	0	20	1
Bromide	14.94	ND	15.00	mg/L	100%		80-121	1	20	1
Nitrogen, Nitrate	10.80	1.555	9.036	mg/L	102%		80-123	0	20	1
Sulfate	65.17	14.75	50.00	mg/L	101%		79-124	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1265181	Batch:	373677
Matrix (Source ID):	Water (535148-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1265181 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.36	0.3594	20.00	mg/L	105%		80-129	1
Chloride	190.8	93.83	100.0	mg/L	97%		80-123	1
Bromide	15.51	0.2924	15.00	mg/L	101%		80-121	1
Nitrogen, Nitrate	11.62	2.378	9.036	mg/L	102%		80-123	1
Sulfate	353.1	385.4	50.00	mg/L	-65%	E,NM	79-124	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1265182	Batch:	373677
Matrix (Source ID):	Water (535148-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1265182 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.38	0.3594	20.00	mg/L	105%		80-129	0	21	1
Chloride	190.8	93.83	100.0	mg/L	97%		80-123	0	20	1
Bromide	15.50	0.2924	15.00	mg/L	101%		80-121	0	20	1
Nitrogen, Nitrate	11.62	2.378	9.036	mg/L	102%		80-123	0	20	1
Sulfate	353.0	385.4	50.00	mg/L	-65%	E,NM	79-124		20	1

Type:	Lab Control Sample	Lab ID:	QC1267564	Batch:	374373
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1267564 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.026	1.000	mg/L	103%		90-110

Type:	Blank	Lab ID:	QC1267565	Batch:	374373
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1267565 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.034	06/19/25	06/20/25

Type:	Matrix Spike	Lab ID:	QC1267566	Batch:	374373
Matrix (Source ID):	Water (535016-005)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267566 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.044	ND	1.000	mg/L	104%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1267567	Batch:	374373
Matrix (Source ID):	Water (535016-005)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267567 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9878	ND	1.000	mg/L	99%		90-110	6	20	1

Type:	Matrix Spike	Lab ID:	QC1267568	Batch:	374373
Matrix (Source ID):	Water (535069-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267568 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.144	0.1718	1.000	mg/L	97%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1267569	Batch:	374373
Matrix (Source ID):	Water (535069-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267569 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.272	0.1718	1.000	mg/L	110%		90-110	11	20	1

Type:	Blank	Lab ID:	QC1268268	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268268 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	06/22/25	06/22/25

Type:	Lab Control Sample	Lab ID:	QC1268269	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	97.00	100.0	mg/L	97%		90-110

Type:	Matrix Spike	Lab ID:	QC1268270	Batch:	374561
Matrix (Source ID):	Water (535016-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268270 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1268271**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535016-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268271 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	0	20	2

Type:	**Matrix Spike**	**Lab ID:**	**QC1268272**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535279-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	86.00	ND	100.0	mg/L	86%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1268273**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535279-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	88.00	ND	100.0	mg/L	88%		75-125	2	20	2

Type:	**Blank**	**Lab ID:**	**QC1265266**	**Batch:**	**373713**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1265266 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	06/11/25	06/11/25
Calcium	ND		mg/L	0.57	0.57	06/11/25	06/11/25
Iron	ND		mg/L	0.041	0.041	06/11/25	06/11/25
Magnesium	ND		mg/L	0.10	0.025	06/11/25	06/11/25
Manganese	ND		mg/L	0.010	0.0029	06/11/25	06/11/25
Potassium	ND		mg/L	0.50	0.42	06/11/25	06/11/25
Sodium	ND		mg/L	0.50	0.34	06/11/25	06/11/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1265267**	**Batch:**	**373713**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1265267 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3664	0.4000	mg/L	92%		80-120
Calcium	18.49	20.40	mg/L	91%		80-120
Iron	0.3767	0.4000	mg/L	94%		80-120
Magnesium	19.31	20.40	mg/L	95%		80-120
Manganese	0.3766	0.4000	mg/L	94%		80-120
Potassium	21.69	24.00	mg/L	90%		80-120
Sodium	18.68	20.40	mg/L	92%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1265268	Batch:	373713
Matrix (Source ID):	Water (535184-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1265268 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.4881	0.1194	0.4000	mg/L	92%		75-125	1
Calcium	66.44	48.70	20.40	mg/L	87%		75-125	1
Iron	0.3758	ND	0.4000	mg/L	94%		75-125	1
Magnesium	38.65	19.43	20.40	mg/L	94%		75-125	1
Manganese	0.3692	ND	0.4000	mg/L	92%		75-125	1
Potassium	25.58	3.649	24.00	mg/L	91%		75-125	1
Sodium	92.79	75.25	20.40	mg/L	86%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1265269	Batch:	373713
Matrix (Source ID):	Water (535184-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1265269 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.4907	0.1194	0.4000	mg/L	93%		75-125	1	20	1
Calcium	66.61	48.70	20.40	mg/L	88%		75-125	0	20	1
Iron	0.3776	ND	0.4000	mg/L	94%		75-125	0	22	1
Magnesium	38.92	19.43	20.40	mg/L	96%		75-125	1	20	1
Manganese	0.3723	ND	0.4000	mg/L	93%		75-125	1	20	1
Potassium	25.79	3.649	24.00	mg/L	92%		75-125	1	20	1
Sodium	92.78	75.25	20.40	mg/L	86%		75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1265320	Batch:	373713
Matrix (Source ID):	Water (535184-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1265320 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.1131	0.1194	mg/L	J			5
Calcium	48.46	48.70	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	19.45	19.43	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	3.164	3.649	mg/L				5
Sodium	76.32	75.25	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1266638	Batch: 374089
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1266638 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.66	50.00	ug/L	107%		69-128
MTBE	47.29	50.00	ug/L	95%		66-125
Benzene	53.14	50.00	ug/L	106%		76-121
Trichloroethene	52.17	50.00	ug/L	104%		76-124
Toluene	51.41	50.00	ug/L	103%		76-120
Chlorobenzene	50.60	50.00	ug/L	101%		78-120
Surrogates						
Dibromofluoromethane	50.67	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	48.76	50.00	ug/L	98%		70-130
Toluene-d8	49.30	50.00	ug/L	99%		70-130
Bromofluorobenzene	47.96	50.00	ug/L	96%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1266639	Batch: 374089
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1266639 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	52.16	50.00	ug/L	104%		69-128	3	23
MTBE	48.62	50.00	ug/L	97%		66-125	3	22
Benzene	52.33	50.00	ug/L	105%		76-121	2	21
Trichloroethene	50.59	50.00	ug/L	101%		76-124	3	22
Toluene	51.52	50.00	ug/L	103%		76-120	0	21
Chlorobenzene	50.71	50.00	ug/L	101%		78-120	0	20
Surrogates								
Dibromofluoromethane	50.40	50.00	ug/L	101%		70-130		
1,2-Dichloroethane-d4	48.92	50.00	ug/L	98%		70-130		
Toluene-d8	49.39	50.00	ug/L	99%		70-130		
Bromofluorobenzene	47.36	50.00	ug/L	95%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1266643**	**Batch:**	**374089**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1266643 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	06/17/25	06/17/25
Freon 12	ND		ug/L	5.0	0.2	06/17/25	06/17/25
Chloromethane	ND		ug/L	5.0	0.3	06/17/25	06/17/25
Vinyl Chloride	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Bromomethane	ND		ug/L	5.0	0.4	06/17/25	06/17/25
Chloroethane	ND		ug/L	5.0	0.3	06/17/25	06/17/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Acetone	ND		ug/L	100	21	06/17/25	06/17/25
Freon 113	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Methylene Chloride	ND		ug/L	5.0	2.4	06/17/25	06/17/25
MTBE	ND		ug/L	5.0	0.09	06/17/25	06/17/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	06/17/25	06/17/25
2-Butanone	ND		ug/L	100	1.7	06/17/25	06/17/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Chloroform	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Bromochloromethane	ND		ug/L	5.0	0.2	06/17/25	06/17/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	06/17/25	06/17/25
Benzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Trichloroethene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Bromodichloromethane	ND		ug/L	5.0	0.08	06/17/25	06/17/25
Dibromomethane	ND		ug/L	5.0	0.2	06/17/25	06/17/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	06/17/25	06/17/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	06/17/25	06/17/25
Toluene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	06/17/25	06/17/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Tetrachloroethene	ND		ug/L	5.0	0.09	06/17/25	06/17/25
Dibromochloromethane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	06/17/25	06/17/25
Chlorobenzene	ND		ug/L	5.0	0.09	06/17/25	06/17/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Ethylbenzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
m,p-Xylenes	ND		ug/L	10	0.2	06/17/25	06/17/25
o-Xylene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Styrene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
Bromoform	ND		ug/L	5.0	0.2	06/17/25	06/17/25
Isopropylbenzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	06/17/25	06/17/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	06/17/25	06/17/25

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Batch QC

QC1266643 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
Bromobenzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	06/17/25	06/17/25
n-Butylbenzene	ND		ug/L	5.0	0.4	06/17/25	06/17/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	06/17/25	06/17/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	06/17/25	06/17/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	06/17/25	06/17/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	06/17/25	06/17/25
Naphthalene	ND		ug/L	5.0	0.3	06/17/25	06/17/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	06/17/25	06/17/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	06/17/25	06/17/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	06/17/25	06/17/25
Xylene (total)	ND		ug/L	5.0		06/17/25	06/17/25
Surrogates				**Limits**			
Dibromofluoromethane	102%		%REC	70-130		06/17/25	06/17/25
1,2-Dichloroethane-d4	97%		%REC	70-130		06/17/25	06/17/25
Toluene-d8	103%		%REC	70-130		06/17/25	06/17/25
Bromofluorobenzene	101%		%REC	70-130		06/17/25	06/17/25

Type: Matrix Spike **Lab ID:** QC1266702 **Batch:** 374089
Matrix (Source ID): Water (535567-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1266702 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,054	ND	1000	ug/L	105%		62-131	50
MTBE	915.0	ND	1000	ug/L	92%		61-124	50
Benzene	1,060	9.959	1000	ug/L	105%		70-123	50
Trichloroethene	1,074	ND	1000	ug/L	107%		65-131	50
Toluene	1,070	ND	1000	ug/L	107%		69-120	50
Chlorobenzene	1,018	ND	1000	ug/L	102%		72-121	50
Surrogates								
Dibromofluoromethane	2,472		2500	ug/L	99%		70-130	50
1,2-Dichloroethane-d4	2,417		2500	ug/L	97%		70-130	50
Toluene-d8	2,553		2500	ug/L	102%		70-130	50
Bromofluorobenzene	2,434		2500	ug/L	97%		70-130	50

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1266703	Batch:	374089
Matrix (Source ID):	Water (535567-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1266703 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	970.4	ND	1000	ug/L	97%		62-131	8	31	50
MTBE	875.6	ND	1000	ug/L	88%		61-124	4	30	50
Benzene	985.5	9.959	1000	ug/L	98%		70-123	7	31	50
Trichloroethene	966.5	ND	1000	ug/L	97%		65-131	10	31	50
Toluene	976.8	ND	1000	ug/L	98%		69-120	9	29	50
Chlorobenzene	953.0	ND	1000	ug/L	95%		72-121	7	29	50
Surrogates										
Dibromofluoromethane	2,464		2500	ug/L	99%		70-130			50
1,2-Dichloroethane-d4	2,442		2500	ug/L	98%		70-130			50
Toluene-d8	2,506		2500	ug/L	100%		70-130			50
Bromofluorobenzene	2,435		2500	ug/L	97%		70-130			50

Type:	Blank	Lab ID:	QC1265202	Batch:	373691
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265202 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	06/11/25	06/14/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		06/11/25	06/14/25

Type:	Lab Control Sample	Lab ID:	QC1265203	Batch:	373691
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265203 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.43	10.00	ug/L	104%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.83	10.00	ug/L	108%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1265204	Batch:	373691
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265204 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	10.27	10.00	ug/L	103%		79-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.03	10.00	ug/L	100%		80-120		

Type:	Blank	Lab ID:	QC1266505	Batch:	374050
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1266505 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		06/16/25	06/16/25

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Batch QC

Type: Lab Control Sample **Lab ID:** QC1266506 **Batch:** 374050
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266506 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1266507 **Batch:** 374050
Matrix (Source ID): Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266507 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1266508 **Batch:** 374050
Matrix (Source ID): Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266508 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	0	20	1

Type: Blank **Lab ID:** QC1265232 **Batch:** 373701
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265232 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	06/11/25	06/12/25

Type: Lab Control Sample **Lab ID:** QC1265233 **Batch:** 373701
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265233 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.82	25.00	mg/L	95%		85-115

Type: Matrix Spike **Lab ID:** QC1265234 **Batch:** 373701
Matrix (Source ID): Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265234 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.85	1.589	25.00	mg/L	109%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1265235 **Batch:** 373701
Matrix (Source ID): Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1265235 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	29.07	1.589	25.00	mg/L	110%		75-125	1	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1265978	Batch: 373912
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1265978 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		06/13/25	06/13/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		06/13/25	06/13/25

Type: Lab Control Sample	Lab ID: QC1265979	Batch: 373912
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1265979 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,053	1000	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC1265980	Batch: 373912
Matrix (Source ID): Water (535240-001)	Method: SM2320B	Prep Method: METHOD

QC1265980 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	346.9	352.2	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	346.9	352.2	mg/L		2	20	2.5

Type: Blank	Lab ID: QC1265569	Batch: 373802
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1265569 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		06/12/25	06/15/25

Type: Lab Control Sample	Lab ID: QC1265570	Batch: 373802
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1265570 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,007	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1265571	Batch: 373802
Matrix (Source ID): Water (535148-001)	Method: SM2540C	Prep Method: METHOD

QC1265571 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,148	1116	mg/L		3	5	2

Type: Sample Duplicate	Lab ID: QC1265572	Batch: 373802
Matrix (Source ID): Water (535234-001)	Method: SM2540C	Prep Method: METHOD

QC1265572 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,510	1476	mg/L		2	5	2

Batch QC

*	Value is outside QC limits
E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 535148

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2506874

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-535148

Project Location:
Project Received: 06/13/2025

Analytical Report reviewed & approved for release on 06/17/2025 by:

Yen Cao

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506874
Project: EO-535148

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506874

Project: EO-535148

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506874
Date Received:	06/13/2025 9:29	**Extraction Method:**	RSK175
Date Prepared:	06/17/2025	**Analytical Method:**	RSK175
Project:	EO-535148	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-28	2506874-001A	Water	06/10/2025 08:59	GC26 0617250905.D	319538

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1100**	50	50	1	06/17/2025 11:06

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-8	2506874-002A	Water	06/10/2025 10:21	GC26 0617250907.D	319538

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**33,000**	2000	2000	40	06/17/2025 11:43

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-9	2506874-003A	Water	06/10/2025 11:31	GC26 0617250908.D	319538

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**940**	50	50	1	06/17/2025 12:07

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506874
Date Received:	06/13/2025 9:29	**Extraction Method:**	RSK175
Date Prepared:	06/17/2025	**Analytical Method:**	RSK175
Project:	EO-535148	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2506874-004A	Water	06/10/2025 12:35	GC26 0617250910.D	319538

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**9900**	500	500	10	06/17/2025 13:21

Analyst(s): CLO

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506874
Date Prepared:	06/17/2025	**BatchID:**	319538
Date Analyzed:	06/17/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-535148	**Sample ID:**	MB/LCS/LCSD-319538

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	150	187.2	74	79	70-130	5.79	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2506874 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-535148

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **06/13/2025**
Date Logged: **06/13/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2506874-001	DW-28	Water	6/10/2025 08:59	☐	A	A										
2506874-002	DW-8	Water	6/10/2025 10:21	☐	A	A										
2506874-003	DW-9	Water	6/10/2025 11:31	☐	A	A										
2506874-004	DW-29	Water	6/10/2025 12:35	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-535148 **Work Order:** 2506874
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 6/13/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-28	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/10/2025 8:59	2 days	6/17/2025	None	☐	☐
002A	DW-8	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/10/2025 10:21	2 days	6/17/2025	Present	☐	☐
003A	DW-9	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/10/2025 11:31	2 days	6/17/2025	None	☐	☐
004A	DW-29	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/10/2025 12:35	2 days	6/17/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

25068874

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-535148
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-28	10-JUN-2025 08:59	535148-001	3	Water	RSK-175 CO2	
DW-8	10-JUN-2025 10:21	535148-002	3	Water	RSK-175 CO2	
DW-9	10-JUN-2025 11:31	535148-003	3	Water	RSK-175 CO2	
DW-29	10-JUN-2025 12:35	535148-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	J. Whitaker EA-ORA	
	Date: 6/12/25 1520	Date:
		Emily Pe
	Date:	Date: 6/13/25 0929
	Date:	Date:

FedEx: 881993334519

1.0 wet
1839

McCampbell Analytical, Inc.
"When Quality Counts"
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	6/13/2025 09:29
Project:	EO-535148	Date Logged:	6/13/2025
		Received by:	Emily Perez
WorkOrder №:	2506874 Matrix: Water	Logged by:	Emily Perez
Carrier:	FedEx		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 1°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments: Sample 2506874-001A with method RSK175 (CO2) was received unpreserved. Sample 2506874-002A with method RSK175 (CO2) was received unpreserved. Sample 2506874-003A with method RSK175 (CO2) was received unpreserved. Sample 2506874-004A with method RSK175 (CO2) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535279
Report Level : II
Report Date : 06/26/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	535279 GW MONITORING Chiquita Canyon Landfill / Quarterly MPars 06/11/25

Sample ID	Lab ID	Collected	Matrix
DW-15	535279-001	06/11/25 07:37	Water
DW-30	535279-002	06/11/25 08:30	Water
DW-17	535279-003	06/11/25 09:41	Water
DW-14	535279-004	06/11/25 11:12	Water
PZ-4	535279-005	06/11/25 12:21	Water
QCFB	535279-006	06/11/25 09:44	Water
QCTB	535279-007	06/11/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 535279 Project No: GW MONITORING Location: Chiquita Canyon Landfill / Quarterly MPars Date Received: 06/11/25

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 06/12/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

- Low recoveries were observed for sulfide in the MS/MSD for batch 374159; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

EA ENTHALPY ANALYTICAL

Login 535279

(714) 771-6900

Chain of Custody Record

Lab No: 535279

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments

EA 13

4-3, 4-3

3-6, 3-6

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide	
1	DW-15	6/11/25	737	W	14	var.	X	X	X	X	X	X	X	X	X	
2	DW-30		830		14		X	X	X	X	X	X	X	X	X	
3	DW-17		941		13		X	X	X	X	X	X	X	X	X	
4	DW-14		1112		13		X	X	X	X	X	X	X	X	X	
5	PZ-4		1221		13		X	X	X	X	X	X	X	X	X	
6	QCFB	↓	944		3		X									
7	QCTB	—	—	↓	2	↓	X									
8																
9																
10																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Paul Chang	CEI	06/11/25 ~~11:30~~ 1330
1 Received By:		Alice Tahmasian	EA INH	06/11/25 ~~11:30~~ 1330
2 Relinquished By:		Alice Tahmasian	EA INH	06/12/25 9:15
2 Received By:		Gema O.	EA NH	6-12-25 9:15
3 Relinquished By:		Gema O.	EA NH	6-12-25 10:16
3 Received By:				6-12-25 1140

Nicole EA 6-12-25 1205 Michael Kamen EA 6/12/25 1305

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 06/11/25 WO# _____ Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Courier

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 06/11/25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7 °C

Cooler Temp (°C) #1: 16.2/15.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)**_____ **(sign)**_____

Date Labeled _____ **By (print)**_____ **(sign)**_____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 6/12/25 WO# 535279 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6/12/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 4.8 / 4.8 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?		X	
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			X
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?		X	
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.1: Sampling time for -005 is after relinquish time.

☐ **No additional discrepancies**

Date Logged 6/11/25 **By (print)** ABD **(sign)** ABD

Date Labeled 6/12/25 **By (print)** NIG **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 535279

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535279
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 06/11/25

Sample ID: DW-15 **Lab ID: 535279-001** **Collected: 06/11/25 07:37**
Matrix: Water

535279-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	ND		mg/L	0.20	0.073	1	373791	06/12/25 13:22	06/12/25 15:18	BPH
Chloride	**75**		mg/L	1.0	0.27	1	373791	06/12/25 13:22	06/12/25 15:18	BPH
Bromide	**0.14**	J	mg/L	0.30	0.060	1	373791	06/12/25 13:22	06/12/25 15:18	BPH
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	373791	06/12/25 13:22	06/12/25 15:18	BPH
Sulfate	**1,400**		mg/L	20	3.7	20	373791	06/12/25 13:22	06/12/25 15:35	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.12**		mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.22**		mg/L	0.050	0.0062	1	373801	06/12/25	06/12/25	CAP
Calcium	**230**		mg/L	1.0	0.57	1	373801	06/12/25	06/12/25	CAP
Iron	**0.93**		mg/L	0.10	0.041	1	373801	06/12/25	06/12/25	CAP
Magnesium	**33**		mg/L	0.10	0.025	1	373801	06/12/25	06/12/25	CAP
Manganese	**0.61**		mg/L	0.010	0.0029	1	373801	06/12/25	06/12/25	CAP
Potassium	**2.8**		mg/L	0.50	0.42	1	373801	06/12/25	06/12/25	CAP
Sodium	**400**		mg/L	0.50	0.34	1	373801	06/12/25	06/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	374210	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	44	1	374210	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	374210	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	374210	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

535279-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	374210	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	374210	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	374210	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	**0.2**	J	ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	374210	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	374210	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374210	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	113%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

535279-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	105%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Toluene-d8	98%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**1.1**		mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,500**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

Sample ID: DW-30	Lab ID: 535279-002	Collected: 06/11/25 08:30
	Matrix: Water	

535279-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.94**		mg/L	0.20	0.073	1	373791	06/12/25 13:22	06/12/25 15:52	BPH
Chloride	**59**		mg/L	1.0	0.27	1	373791	06/12/25 13:22	06/12/25 15:52	BPH
Bromide	**0.13**	J	mg/L	0.30	0.060	1	373791	06/12/25 13:22	06/12/25 15:52	BPH
Nitrogen, Nitrate	**0.22**		mg/L	0.10	0.05	1	373791	06/12/25 13:22	06/12/25 15:52	BPH
Sulfate	**310**		mg/L	10	1.8	10	373791	06/12/25 13:22	06/12/25 16:09	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.20**		mg/L	0.050	0.0062	1	373801	06/12/25	06/12/25	CAP
Calcium	**37**		mg/L	1.0	0.57	1	373801	06/12/25	06/12/25	CAP
Iron	**0.31**		mg/L	0.10	0.041	1	373801	06/12/25	06/12/25	CAP
Magnesium	**5.9**		mg/L	0.10	0.025	1	373801	06/12/25	06/12/25	CAP
Manganese	**0.033**		mg/L	0.010	0.0029	1	373801	06/12/25	06/12/25	CAP
Potassium	**1.7**		mg/L	0.50	0.42	1	373801	06/12/25	06/12/25	CAP
Sodium	**190**		mg/L	0.50	0.34	1	373801	06/12/25	06/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	374210	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	44	1	374210	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	374210	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	374210	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

535279-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	374210	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Tetrachloroethene	**0.6**	J	ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	374210	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	374210	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	374210	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	374210	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374210	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	105%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Toluene-d8	96%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Bromofluorobenzene	102%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535279

535279-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.91**	J	mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**190**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**770**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535279

Sample ID: DW-17	Lab ID: 535279-003	Collected: 06/11/25 09:41
	Matrix: Water	

535279-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.19**	J	mg/L	0.20	0.073	1	373791	06/12/25 13:22	06/12/25 17:00	BPH
Chloride	**150**		mg/L	1.0	0.27	1	373791	06/12/25 13:22	06/12/25 17:00	BPH
Bromide	**0.29**	J	mg/L	0.30	0.060	1	373791	06/12/25 13:22	06/12/25 17:00	BPH
Nitrogen, Nitrate	**0.99**		mg/L	0.10	0.05	1	373791	06/12/25 13:22	06/12/25 17:00	BPH
Sulfate	**190**		mg/L	10	1.8	10	373791	06/12/25 13:22	06/12/25 17:17	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.084**		mg/L	0.050	0.0062	1	373801	06/12/25	06/12/25	CAP
Calcium	**4.7**		mg/L	1.0	0.57	1	373801	06/12/25	06/12/25	CAP
Iron	ND		mg/L	0.10	0.041	1	373801	06/12/25	06/12/25	CAP
Magnesium	**0.13**		mg/L	0.10	0.025	1	373801	06/12/25	06/12/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373801	06/12/25	06/12/25	CAP
Potassium	**0.77**		mg/L	0.50	0.42	1	373801	06/12/25	06/12/25	CAP
Sodium	**220**		mg/L	0.50	0.34	1	373801	06/12/25	06/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	374210	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	44	1	374210	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	374210	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	374210	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

535279-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	374210	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	374210	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	374210	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	374210	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	374210	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374210	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	113%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	107%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Toluene-d8	99%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535279

535279-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**96**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**150**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**660**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

Sample ID: DW-14	Lab ID: 535279-004	Collected: 06/11/25 11:12
	Matrix: Water	

535279-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.43**		mg/L	0.20	0.073	1	373791	06/12/25 13:22	06/12/25 17:33	AJL
Chloride	**97**		mg/L	1.0	0.27	1	373791	06/12/25 13:22	06/12/25 17:33	AJL
Bromide	**0.12**	J	mg/L	0.30	0.060	1	373791	06/12/25 13:22	06/12/25 17:33	AJL
Nitrogen, Nitrate	**0.33**		mg/L	0.10	0.05	1	373791	06/12/25 13:22	06/12/25 17:33	AJL
Sulfate	**30**		mg/L	1.0	0.18	1	373791	06/12/25 13:22	06/12/25 17:33	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.12**		mg/L	0.050	0.0062	1	373801	06/12/25	06/12/25	CAP
Calcium	**2.5**		mg/L	1.0	0.57	1	373801	06/12/25	06/12/25	CAP
Iron	**0.19**		mg/L	0.10	0.041	1	373801	06/12/25	06/12/25	CAP
Magnesium	**0.18**		mg/L	0.10	0.025	1	373801	06/12/25	06/12/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373801	06/12/25	06/12/25	CAP
Potassium	**0.61**		mg/L	0.50	0.42	1	373801	06/12/25	06/12/25	CAP
Sodium	**140**		mg/L	0.50	0.34	1	373801	06/12/25	06/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	374210	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	44	1	374210	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	374210	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	374210	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

535279-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	374210	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	374210	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	374210	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	374210	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	374210	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374210	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	106%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Toluene-d8	97%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Bromofluorobenzene	101%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535279

535279-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.78**	J	mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**130**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**180**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**420**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535279

Sample ID: PZ-4	Lab ID: 535279-005	Collected: 06/11/25 12:21
	Matrix: Water	

535279-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.60**		mg/L	0.20	0.073	1	373791	06/12/25 13:22	06/12/25 17:50	AJL
Chloride	**60**		mg/L	1.0	0.27	1	373791	06/12/25 13:22	06/12/25 17:50	AJL
Bromide	**0.14**	J	mg/L	0.30	0.060	1	373791	06/12/25 13:22	06/12/25 17:50	AJL
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.05	1	373791	06/12/25 13:22	06/12/25 17:50	AJL
Sulfate	**130**		mg/L	10	1.8	10	373791	06/12/25 13:22	06/12/25 18:07	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**7.0**		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.31**		mg/L	0.050	0.0062	1	373801	06/12/25	06/12/25	CAP
Calcium	**51**		mg/L	1.0	0.57	1	373801	06/12/25	06/12/25	CAP
Iron	ND		mg/L	0.10	0.041	1	373801	06/12/25	06/12/25	CAP
Magnesium	**9.9**		mg/L	0.10	0.025	1	373801	06/12/25	06/12/25	CAP
Manganese	ND		mg/L	0.010	0.0029	1	373801	06/12/25	06/12/25	CAP
Potassium	**2.3**		mg/L	0.50	0.42	1	373801	06/12/25	06/12/25	CAP
Sodium	**180**		mg/L	0.50	0.34	1	373801	06/12/25	06/12/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Freon 12	**1.1**	J	ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	374210	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	44	1	374210	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	374210	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	374210	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

535279-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	374210	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	374210	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	374210	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	374210	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	374210	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374210	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	103%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Toluene-d8	99%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Bromofluorobenzene	99%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535279

535279-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**6.7**		mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**430**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**430**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**720**		mg/L	20		2	373802	06/12/25	06/15/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

Sample ID: QCFB	Lab ID: 535279-006	Collected: 06/11/25 09:44
	Matrix: Water	

535279-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	374210	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	44	1	374210	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Methylene Chloride	**7.0**		ug/L	5.0	3.5	1	374210	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	374210	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroform	**0.8**	J	ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	374210	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	374210	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	374210	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535279

535279-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	374210	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	374210	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374210	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	104%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Toluene-d8	100%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Bromofluorobenzene	102%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

Sample ID: QCTB	Lab ID: 535279-007	Collected: 06/11/25
	Matrix: Water	

535279-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	374210	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	44	1	374210	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	374210	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	2.3	1	374210	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	374210	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.07	1	374210	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.1	1	374210	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535279

535279-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	374210	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374210	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	374210	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	374210	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	374210	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.5	1	374210	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374210	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	374210	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	374210	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374210	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	104%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Toluene-d8	100%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB
Bromofluorobenzene	102%		%REC	70-130		1	374210	06/18/25	06/18/25	EJB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1265519**	**Batch:**	**373791**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1265519 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	06/12/25 13:22	06/12/25 13:38
Chloride	ND		mg/L	1.0	0.27	06/12/25 13:22	06/12/25 13:38
Bromide	ND		mg/L	0.30	0.060	06/12/25 13:22	06/12/25 13:38
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	06/12/25 13:22	06/12/25 13:38
Sulfate	ND		mg/L	1.0	0.18	06/12/25 13:22	06/12/25 13:38

Type:	**Lab Control Sample**	**Lab ID:**	**QC1265520**	**Batch:**	**373791**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1265520 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.09	10.00	mg/L	101%		90-110
Chloride	48.19	50.00	mg/L	96%		90-110
Bromide	15.29	15.00	mg/L	102%		90-110
Nitrogen, Nitrate	4.630	4.518	mg/L	102%		90-110
Sulfate	24.85	25.00	mg/L	99%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1265521**	**Batch:**	**373791**
Matrix (Source ID):	**Water (535240-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1265521 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.32	0.2001	20.00	mg/L	106%		80-129	1
Chloride	125.9	20.39	100.0	mg/L	106%		80-123	1
Bromide	15.28	0.07415	15.00	mg/L	101%		80-121	1
Nitrogen, Nitrate	11.83	2.901	9.036	mg/L	99%		80-123	1
Sulfate	94.90	44.91	50.00	mg/L	100%		79-124	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1265522**	**Batch:**	**373791**
Matrix (Source ID):	**Water (535240-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1265522 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.21	0.2001	20.00	mg/L	105%		80-129	1	21	1
Chloride	125.4	20.39	100.0	mg/L	105%		80-123	0	20	1
Bromide	15.18	0.07415	15.00	mg/L	101%		80-121	1	20	1
Nitrogen, Nitrate	11.77	2.901	9.036	mg/L	98%		80-123	1	20	1
Sulfate	94.66	44.91	50.00	mg/L	99%		79-124	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1265642	Batch:	373791
Matrix (Source ID):	Water (535279-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1265642 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.46	0.4301	20.00	mg/L	105%		80-129	1
Chloride	192.8	96.56	100.0	mg/L	96%		80-123	1
Bromide	15.35	0.1172	15.00	mg/L	102%		80-121	1
Nitrogen, Nitrate	9.717	0.3266	9.036	mg/L	104%		80-123	1
Sulfate	80.42	30.02	50.00	mg/L	101%		79-124	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1265643	Batch:	373791
Matrix (Source ID):	Water (535279-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1265643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	22.08	0.4301	20.00	mg/L	108%		80-129	3	21	1
Chloride	195.4	96.56	100.0	mg/L	99%		80-123	1	20	1
Bromide	15.79	0.1172	15.00	mg/L	104%		80-121	3	20	1
Nitrogen, Nitrate	9.979	0.3266	9.036	mg/L	107%		80-123	3	20	1
Sulfate	81.85	30.02	50.00	mg/L	104%		79-124	2	20	1

Type:	Blank	Lab ID:	QC1267953	Batch:	374483
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1267953 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	06/20/25	06/23/25

Type:	Lab Control Sample	Lab ID:	QC1267954	Batch:	374483
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1267954 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9415	1.000	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC1267962	Batch:	374483
Matrix (Source ID):	Water (535279-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267962 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.102	0.1190	1.000	mg/L	98%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1267963	Batch:	374483
Matrix (Source ID):	Water (535279-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267963 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.087	0.1190	1.000	mg/L	97%		90-110	1	20	1

Type:	Matrix Spike	Lab ID:	QC1267964	Batch:	374483
Matrix (Source ID):	Water (535279-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267964 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9626	ND	1.000	mg/L	96%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1267965	Batch:	374483
Matrix (Source ID):	Water (535279-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267965 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.014	ND	1.000	mg/L	101%		90-110	5	20	1

Type:	Blank	Lab ID:	QC1268268	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268268 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	06/22/25	06/22/25

Type:	Lab Control Sample	Lab ID:	QC1268269	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	97.00	100.0	mg/L	97%		90-110

Type:	Matrix Spike	Lab ID:	QC1268270	Batch:	374561
Matrix (Source ID):	Water (535016-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268270 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1268271**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535016-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268271 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	0	20	2

Type:	**Matrix Spike**	**Lab ID:**	**QC1268272**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535279-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	86.00	ND	100.0	mg/L	86%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1268273**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535279-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	88.00	ND	100.0	mg/L	88%		75-125	2	20	2

Type:	**Blank**	**Lab ID:**	**QC1265564**	**Batch:**	**373801**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1265564 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	06/12/25	06/12/25
Calcium	ND		mg/L	1.0	0.57	06/12/25	06/12/25
Iron	ND		mg/L	0.10	0.041	06/12/25	06/12/25
Magnesium	ND		mg/L	0.10	0.025	06/12/25	06/12/25
Manganese	ND		mg/L	0.010	0.0029	06/12/25	06/12/25
Potassium	ND		mg/L	0.50	0.42	06/12/25	06/12/25
Sodium	ND		mg/L	0.50	0.34	06/12/25	06/12/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1265565**	**Batch:**	**373801**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1265565 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3607	0.4000	mg/L	90%		80-120
Calcium	18.56	20.40	mg/L	91%		80-120
Iron	0.3745	0.4000	mg/L	94%		80-120
Magnesium	19.37	20.40	mg/L	95%		80-120
Manganese	0.3694	0.4000	mg/L	92%		80-120
Potassium	22.07	24.00	mg/L	92%		80-120
Sodium	18.73	20.40	mg/L	92%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1265566	Batch:	373801
Matrix (Source ID):	Water (535279-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1265566 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.5956	0.2185	0.4000	mg/L	94%		75-125	1
Calcium	251.6	234.8	20.40	mg/L	83%	NM	75-125	1
Iron	1.281	0.9269	0.4000	mg/L	89%		75-125	1
Magnesium	52.24	33.09	20.40	mg/L	94%		75-125	1
Manganese	0.9733	0.6111	0.4000	mg/L	91%		75-125	1
Potassium	26.53	2.818	24.00	mg/L	99%		75-125	1
Sodium	418.5	401.9	20.40	mg/L	81%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1265567	Batch:	373801
Matrix (Source ID):	Water (535279-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1265567 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.5955	0.2185	0.4000	mg/L	94%		75-125	0	20	1
Calcium	251.1	234.8	20.40	mg/L	80%	NM	75-125	0	20	1
Iron	1.283	0.9269	0.4000	mg/L	89%		75-125	0	22	1
Magnesium	52.04	33.09	20.40	mg/L	93%		75-125	0	20	1
Manganese	0.9711	0.6111	0.4000	mg/L	90%		75-125	0	20	1
Potassium	26.46	2.818	24.00	mg/L	99%		75-125	0	20	1
Sodium	418.3	401.9	20.40	mg/L	80%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1265613	Batch:	373801
Matrix (Source ID):	Water (535279-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1265613 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.2123	0.2185	mg/L	J			5
Calcium	240.4	234.8	mg/L				5
Iron	0.9579	0.9269	mg/L				5
Magnesium	33.96	33.09	mg/L				5
Manganese	0.6296	0.6111	mg/L				5
Potassium	2.624	2.818	mg/L				5
Sodium	411.2	401.9	mg/L				5

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1267030**	**Batch:**	**374210**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267030 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.29	50.00	ug/L	103%		69-128
MTBE	50.00	50.00	ug/L	100%		66-125
Benzene	49.54	50.00	ug/L	99%		76-121
Trichloroethene	50.99	50.00	ug/L	102%		76-124
Toluene	49.95	50.00	ug/L	100%		76-120
Chlorobenzene	49.35	50.00	ug/L	99%		78-120
Surrogates						
Dibromofluoromethane	50.69	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	50.14	50.00	ug/L	100%		70-130
Toluene-d8	49.82	50.00	ug/L	100%		70-130
Bromofluorobenzene	48.98	50.00	ug/L	98%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1267035**	**Batch:**	**374210**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267035 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	06/18/25	06/18/25
Freon 12	ND		ug/L	5.0	0.3	06/18/25	06/18/25
Chloromethane	ND		ug/L	5.0	0.4	06/18/25	06/18/25
Vinyl Chloride	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Bromomethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Chloroethane	ND		ug/L	5.0	0.3	06/18/25	06/18/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Acetone	ND		ug/L	100	44	06/18/25	06/18/25
Freon 113	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Methylene Chloride	ND		ug/L	5.0	3.5	06/18/25	06/18/25
MTBE	ND		ug/L	5.0	0.1	06/18/25	06/18/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	06/18/25	06/18/25
2-Butanone	ND		ug/L	100	2.3	06/18/25	06/18/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Chloroform	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Bromochloromethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Benzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Trichloroethene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Bromodichloromethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Dibromomethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	06/18/25	06/18/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Toluene	ND		ug/L	5.0	0.3	06/18/25	06/18/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Tetrachloroethene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Dibromochloromethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Chlorobenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Ethylbenzene	ND		ug/L	5.0	0.07	06/18/25	06/18/25
m,p-Xylenes	ND		ug/L	10	0.1	06/18/25	06/18/25
o-Xylene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
Styrene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Bromoform	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Isopropylbenzene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	06/18/25	06/18/25

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Batch QC

QC1267035 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
Bromobenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	06/18/25	06/18/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
n-Butylbenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	06/18/25	06/18/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
Naphthalene	ND		ug/L	5.0	0.5	06/18/25	06/18/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	06/18/25	06/18/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	06/18/25	06/18/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	06/18/25	06/18/25
Xylene (total)	ND		ug/L	5.0		06/18/25	06/18/25
Surrogates				**Limits**			
Dibromofluoromethane	103%		%REC	70-130		06/18/25	06/18/25
1,2-Dichloroethane-d4	103%		%REC	70-130		06/18/25	06/18/25
Toluene-d8	101%		%REC	70-130		06/18/25	06/18/25
Bromofluorobenzene	103%		%REC	70-130		06/18/25	06/18/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1267109**	**Batch:**	**374210**
Matrix (Source ID):	**Water (535642-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267109 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.43	ND	20.00	ug/L	102%		62-131	1
MTBE	19.37	ND	20.00	ug/L	97%		61-124	1
Benzene	19.65	ND	20.00	ug/L	98%		70-123	1
Trichloroethene	20.94	ND	20.00	ug/L	105%		65-131	1
Toluene	19.75	ND	20.00	ug/L	99%		69-120	1
Chlorobenzene	19.59	ND	20.00	ug/L	98%		72-121	1
Surrogates								
Dibromofluoromethane	51.89		50.00	ug/L	104%		70-130	1
1,2-Dichloroethane-d4	51.81		50.00	ug/L	104%		70-130	1
Toluene-d8	48.87		50.00	ug/L	98%		70-130	1
Bromofluorobenzene	48.71		50.00	ug/L	97%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1267110	Batch:	374210
Matrix (Source ID):	Water (535642-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1267110 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.25	ND	20.00	ug/L	96%		62-131	6	31	1
MTBE	18.92	ND	20.00	ug/L	95%		61-124	2	30	1
Benzene	18.61	ND	20.00	ug/L	93%		70-123	5	31	1
Trichloroethene	20.31	ND	20.00	ug/L	102%		65-131	3	31	1
Toluene	19.17	ND	20.00	ug/L	96%		69-120	3	29	1
Chlorobenzene	19.32	ND	20.00	ug/L	97%		72-121	1	29	1
Surrogates										
Dibromofluoromethane	51.39		50.00	ug/L	103%		70-130			1
1,2-Dichloroethane-d4	50.73		50.00	ug/L	101%		70-130			1
Toluene-d8	50.10		50.00	ug/L	100%		70-130			1
Bromofluorobenzene	48.61		50.00	ug/L	97%		70-130			1

Type:	Blank	Lab ID:	QC1265827	Batch:	373873
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265827 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	06/13/25	06/16/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		06/13/25	06/16/25

Type:	Lab Control Sample	Lab ID:	QC1265828	Batch:	373873
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265828 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.614	10.00	ug/L	96%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.22	10.00	ug/L	102%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1265829	Batch:	373873
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265829 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	10.29	10.00	ug/L	103%		79-120	7	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.44	10.00	ug/L	104%		80-120		

Type:	Blank	Lab ID:	QC1266870	Batch:	374159
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1266870 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		06/17/25	06/17/25

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Batch QC

Type: Lab Control Sample **Lab ID:** QC1266871 **Batch:** 374159
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266871 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1266872 **Batch:** 374159
Matrix (Source ID): Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266872 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1266873 **Batch:** 374159
Matrix (Source ID): Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	0	20	1

Type: Blank **Lab ID:** QC1266723 **Batch:** 374109
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266723 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	06/17/25	06/17/25

Type: Lab Control Sample **Lab ID:** QC1266724 **Batch:** 374109
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266724 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	25.15	25.00	mg/L	101%		85-115

Type: Matrix Spike **Lab ID:** QC1266725 **Batch:** 374109
Matrix (Source ID): Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266725 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.18	1.099	25.00	mg/L	112%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1266726 **Batch:** 374109
Matrix (Source ID): Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266726 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	29.98	1.099	25.00	mg/L	116%		75-125	3	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1266137	Batch: 373913
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1266137 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		06/13/25	06/13/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		06/13/25	06/13/25

Type: Lab Control Sample	Lab ID: QC1266138	Batch: 373913
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1266138 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,000	1000	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1266139	Batch: 373913
Matrix (Source ID): Water (535279-001)	Method: SM2320B	Prep Method: METHOD

QC1266139 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	196.5	198.0	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	196.5	198.0	mg/L		1	20	2.5

Type: Blank	Lab ID: QC1265569	Batch: 373802
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1265569 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		06/12/25	06/15/25

Type: Lab Control Sample	Lab ID: QC1265570	Batch: 373802
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1265570 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,007	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1265571	Batch: 373802
Matrix (Source ID): Water (535148-001)	Method: SM2540C	Prep Method: METHOD

QC1265571 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,148	1116	mg/L		3	5	2

Type: Sample Duplicate	Lab ID: QC1265572	Batch: 373802
Matrix (Source ID): Water (535234-001)	Method: SM2540C	Prep Method: METHOD

QC1265572 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,510	1476	mg/L		2	5	2

Batch QC

*	Value is outside QC limits
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 535279

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2506873

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-535279

Project Location:
Project Received: 06/13/2025

Analytical Report reviewed & approved for release on 06/18/2025 by:

Jena Alfaro
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506873

Project: EO-535279

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506873

Project: EO-535279

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506873
Date Received:	06/13/2025 9:29	**Extraction Method:**	RSK175
Date Prepared:	06/18/2025	**Analytical Method:**	RSK175
Project:	EO-535279	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-15	2506873-001A	Water	06/11/2025 07:37	GC26 0618250906.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**14,000**	500	500	10	06/18/2025 10:57

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2506873-002A	Water	06/11/2025 08:30	GC26 0618250908.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2900**	100	100	2	06/18/2025 11:28

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-17	2506873-003A	Water	06/11/2025 09:41	GC26 0618250910.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**500**	50	50	1	06/18/2025 11:55

Analyst(s): CLO

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506873
Date Received:	06/13/2025 9:29	**Extraction Method:**	RSK175
Date Prepared:	06/18/2025	**Analytical Method:**	RSK175
Project:	EO-535279	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-14	2506873-004A	Water	06/11/2025 11:12	GC26 0618250911.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**490**	50	50	1	06/18/2025 13:25

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2506873-005A	Water	06/11/2025 12:21	GC26 0618250913.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**13,000**	500	500	10	06/18/2025 13:55

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506873
Date Prepared:	06/18/2025	**BatchID:**	319633
Date Analyzed:	06/18/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-535279	**Sample ID:**	MB/LCS/LCSD-319633

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	72	73	70-130	1.23	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2506873 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-535279

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 3 days;

Date Received: **06/13/2025**
Date Logged: **06/13/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2506873-001	DW-15	Water	6/11/2025 07:37	☐	A	A										
2506873-002	DW-30	Water	6/11/2025 08:30	☐	A	A										
2506873-003	DW-17	Water	6/11/2025 09:41	☐	A	A										
2506873-004	DW-14	Water	6/11/2025 11:12	☐	A	A										
2506873-005	PZ-4	Water	6/11/2025 12:21	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-535279 **Work Order:** 2506873
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 6/13/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-15	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/11/2025 7:37	3 days	6/18/2025	Present	☐	☐
002A	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/11/2025 8:30	3 days	6/18/2025	Present	☐	☐
003A	DW-17	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/11/2025 9:41	3 days	6/18/2025	Present	☐	☐
004A	DW-14	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/11/2025 11:12	3 days	6/18/2025	None	☐	☐
005A	PZ-4	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/11/2025 12:21	3 days	6/18/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2506873

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-535279
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquia Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-15	11-JUN-2025 07:37	535279-001	3	Water	RSK-175 CO2	
DW-30	11-JUN-2025 08:30	535279-002	3	Water	RSK-175 CO2	
DW-17	11-JUN-2025 09:41	535279-003	3	Water	RSK-175 CO2	
DW-14	11-JUN-2025 11:12	535279-004	3	Water	RSK-175 CO2	
PZ-4	11-JUN-2025 12:21	535279-005	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	J. Quintero EA-ORA	
	Date: 6/12/25 1520	Date:
		Emily Pe
	Date:	Date: 6/13/25 0929
	Date:	Date:

FedEx: 881993334519 1.0 wet 1R39

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"When Quality Counts"
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	6/13/2025 09:29
Project:	EO-535279	Date Logged:	6/13/2025
		Received by:	Emily Perez
WorkOrder №:	2506873 Matrix: Water	Logged by:	Emily Perez
Carrier:	FedEx		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☐	No ☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 1°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments: Sample 2506873-001A with method RSK175 (CO2) was received unpreserved. Sample 2506873-002A with method RSK175 (CO2) was received unpreserved. Sample 2506873-003A with method RSK175 (CO2) was received unpreserved. Sample 2506873-004A with method RSK175 (CO2) was received unpreserved. Sample 2506873-005A with method RSK175 (CO2) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535357
Report Level : II
Report Date : 06/27/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	535357 GW MONITORING Chiquita Canyon Landfill / Quarterly MPars 06/12/25

Sample ID	Lab ID	Collected	Matrix
DW-1	535357-001	06/12/25 08:28	Water
DW-16	535357-002	06/12/25 09:31	Water
DW-3	535357-003	06/12/25 10:43	Water
QCFB	535357-004	06/12/25 08:41	Water
QCTB	535357-005	06/12/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 535357 Project No: GW MONITORING Location: Chiquita Canyon Landfill / Quarterly MPars Date Received: 06/12/25

This data package contains sample and QC results for five water samples, requested for the above referenced project on 06/12/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- High recoveries were observed for a number of analytes in the MS/MSD of DW-1 (lab # 535357-001); the LCS was within limits.
- Responses exceeding the instrument's linear range were observed for chloride and sulfate in the MS/MSD for batch 373888 and the MS/MSD of DW-1 (lab # 535357-001); affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

- Low recoveries were observed for sulfide in the MS/MSD for batch 374159; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 535357

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: IR11 +0.1 4.5/4.6 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments

Quarterly MPars

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
1	DW-1	6/12/25	828	W	13	var.	X	X	X	X	X	X	X	X	X
2	DW-16	↓	931	↓	13	↓	X	X	X	X	X	X	X	X	X
3	DW-3	↓	1043	↓	13	↓	X	X	X	X	X	X	X	X	X
4	QCFB	↓	841	↓	3	↓	X								
5	QCTB	—	—	↓	2	↓	X								
6															
7															
8															
9															
10															

Login 535357

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	6-12-25 12:20
[1] Received By:		Alice Tahmasian	EA/NH	6-12-25 12:20
[2] Relinquished By:		Alice Tahmasian	EA/NH	6-13-25 9:30
[2] Received By:		GEMA O.	EANH	6/13/25 9:30
[3] Relinquished By:		GEMA O.	EANH	6/13/25 11:18
[3] Received By:		JELBERT QUITUGUA	EA-ORA	6/13/25 1200

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 06-12-25 WO# 535357 Client: Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: walk in

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6-12-25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 18.2 / 17.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)**_____ **(sign)**_____

Date Labeled _____ **By (print)**_____ **(sign)**_____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 6/13/25 WO# 535357 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 6/13/25 By (initials) JRQ Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: 1R11 CF: +0.1
Cooler Temp (°C) #1: 4.5 / 4.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	/		
2) Is the sampler's name present on the CoC?	/		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	/		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	/		
5) Were all of, and only, the correct samples received?	/		
6) Are sample labels present, legible, and in agreement with the CoC?	/		
7) Does the container count match the CoC?	/		
8) Was sufficient sample volume / mass received for the analyses requested?	/		
9) Were samples received in proper containers for the analyses requested?	/		
10) Were samples received with > 1/2 holding time remaining?	/		
11) Are samples properly preserved as indicated by CoC / labels?	/		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?		/	
13) Are VOA vials free from headspace/bubbles > 6mm?	/		

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)

☑ **No additional discrepancies**

Date Logged 6/12/25 **By (print)** FPD **(sign)** _____
Date Labeled 6/13/25 **By (print)** JRQ **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 535357

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535357
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 06/12/25

Sample ID: DW-1 **Lab ID: 535357-001** **Collected: 06/12/25 08:28**
Matrix: Water

535357-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.82**		mg/L	0.20	0.073	1	373888	06/13/25 13:39	06/13/25 14:41	SSN
Chloride	**110**		mg/L	1.0	0.27	1	373888	06/13/25 13:39	06/13/25 14:41	SSN
Bromide	**0.27**	J	mg/L	0.30	0.060	1	373888	06/13/25 13:39	06/13/25 14:41	SSN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	373888	06/13/25 13:39	06/13/25 14:41	SSN
Sulfate	**370**		mg/L	10	1.8	10	373888	06/13/25 13:39	06/13/25 15:32	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.23**		mg/L	0.050	0.0062	1	373951	06/14/25	06/15/25	KCD
Calcium	**59**		mg/L	1.0	0.57	1	373951	06/14/25	06/15/25	KCD
Iron	ND		mg/L	0.10	0.041	1	373951	06/14/25	06/15/25	KCD
Magnesium	**11**		mg/L	0.10	0.025	1	373951	06/14/25	06/15/25	KCD
Manganese	**0.049**		mg/L	0.010	0.0029	1	373951	06/14/25	06/15/25	KCD
Potassium	**2.5**		mg/L	0.50	0.42	1	373951	06/14/25	06/15/25	KCD
Sodium	**230**		mg/L	0.50	0.34	1	373951	06/14/25	06/15/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374211	06/18/25	06/18/25	HMN
Freon 12	**0.4**	J	ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Chloromethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Bromomethane	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
Chloroethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Acetone	ND		ug/L	100	21	1	374211	06/18/25	06/18/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Methylene Chloride	ND		ug/L	5.0	2.4	1	374211	06/18/25	06/18/25	HMN
MTBE	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1-Dichloroethane	**0.2**	J	ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
2-Butanone	ND		ug/L	100	1.7	1	374211	06/18/25	06/18/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Chloroform	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

535357-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Benzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Trichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374211	06/18/25	06/18/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374211	06/18/25	06/18/25	HMN
Toluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Tetrachloroethene	**0.2**	J	ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374211	06/18/25	06/18/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	374211	06/18/25	06/18/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Styrene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Propylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Xylene (total)	ND		ug/L	5.0		1	374211	06/18/25	06/18/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

535357-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	98%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN
Toluene-d8	103%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN
Bromofluorobenzene	101%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	108%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**0.98**	J	mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**200**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**200**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**920**		mg/L	20		2	373977	06/15/25	06/18/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

Sample ID: DW-16	Lab ID: 535357-002	Collected: 06/12/25 09:31
	Matrix: Water	

535357-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.43**		mg/L	0.20	0.073	1	373888	06/13/25 13:39	06/13/25 15:49	SSN
Chloride	**110**		mg/L	1.0	0.27	1	373888	06/13/25 13:39	06/13/25 15:49	SSN
Bromide	**0.23**	J	mg/L	0.30	0.060	1	373888	06/13/25 13:39	06/13/25 15:49	SSN
Nitrogen, Nitrate	**2.3**		mg/L	0.10	0.05	1	373888	06/13/25 13:39	06/13/25 15:49	SSN
Sulfate	**190**		mg/L	10	1.8	10	373888	06/13/25 13:39	06/13/25 16:06	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.056**	J	mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.13**		mg/L	0.050	0.0055	1	373951	06/14/25	06/15/25	KCD
Calcium	**7.2**		mg/L	1.0	0.57	1	373951	06/14/25	06/15/25	KCD
Iron	ND		mg/L	0.10	0.041	1	373951	06/14/25	06/15/25	KCD
Magnesium	**0.40**		mg/L	0.10	0.025	1	373951	06/14/25	06/15/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	373951	06/14/25	06/15/25	KCD
Potassium	**0.95**		mg/L	0.50	0.42	1	373951	06/14/25	06/15/25	KCD
Sodium	**250**		mg/L	0.50	0.34	1	373951	06/14/25	06/15/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374211	06/18/25	06/18/25	HMN
Freon 12	**0.4**	J	ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Chloromethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Bromomethane	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
Chloroethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Trichlorofluoromethane	**0.1**	J	ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Acetone	ND		ug/L	100	21	1	374211	06/18/25	06/18/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Methylene Chloride	ND		ug/L	5.0	2.4	1	374211	06/18/25	06/18/25	HMN
MTBE	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1-Dichloroethane	**1.2**	J	ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
2-Butanone	ND		ug/L	100	1.7	1	374211	06/18/25	06/18/25	HMN
cis-1,2-Dichloroethene	**0.7**	J	ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Chloroform	**0.1**	J	ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

535357-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	**0.2**	J	ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Trichloroethene	**0.7**	J	ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374211	06/18/25	06/18/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374211	06/18/25	06/18/25	HMN
Toluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Tetrachloroethene	**0.6**	J	ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374211	06/18/25	06/18/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	374211	06/18/25	06/18/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Styrene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Propylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,4-Dichlorobenzene	**0.2**	J	ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	HMN
Xylene (total)	ND		ug/L	5.0		1	374211	06/18/25	06/18/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	105%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN
1,2-Dichloroethane-d4	102%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN
Toluene-d8	100%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN
Bromofluorobenzene	101%		%REC	70-130		1	374211	06/18/25	06/18/25	HMN

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535357

535357-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	107%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**4.2**		mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**250**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**250**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**710**		mg/L	20		2	373977	06/15/25	06/18/25	RDL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535357

Sample ID: DW-3	Lab ID: 535357-003	Collected: 06/12/25 10:43
	Matrix: Water	

535357-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.71**		mg/L	0.20	0.073	1	373888	06/13/25 13:39	06/13/25 16:23	SSN
Chloride	**56**		mg/L	1.0	0.27	1	373888	06/13/25 13:39	06/13/25 16:23	SSN
Bromide	**0.15**	J	mg/L	0.30	0.060	1	373888	06/13/25 13:39	06/13/25 16:23	SSN
Nitrogen, Nitrate	**1.8**		mg/L	0.10	0.05	1	373888	06/13/25 13:39	06/13/25 16:23	SSN
Sulfate	**100**		mg/L	10	1.8	10	373888	06/13/25 13:39	06/13/25 17:13	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	374483	06/20/25	06/23/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	374561	06/22/25	06/22/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.26**		mg/L	0.050	0.0055	1	373951	06/14/25	06/15/25	KCD
Calcium	**35**		mg/L	1.0	0.57	1	373951	06/14/25	06/15/25	KCD
Iron	ND		mg/L	0.10	0.041	1	373951	06/14/25	06/15/25	KCD
Magnesium	**4.2**		mg/L	0.10	0.025	1	373951	06/14/25	06/15/25	KCD
Manganese	ND		mg/L	0.010	0.0029	1	373951	06/14/25	06/15/25	KCD
Potassium	**1.9**		mg/L	0.50	0.42	1	373951	06/14/25	06/15/25	KCD
Sodium	**120**		mg/L	0.50	0.34	1	373951	06/14/25	06/15/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374211	06/18/25	06/18/25	EJB
Freon 12	**4.1**	J	ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Trichlorofluoromethane	**0.1**	J	ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	21	1	374211	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	374211	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloroethane	**0.2**	J	ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	374211	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

535357-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374211	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374211	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Tetrachloroethene	**0.8**	J	ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374211	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	374211	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374211	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	104%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	101%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
Toluene-d8	101%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
Bromofluorobenzene	102%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 535357

535357-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	373873	06/13/25	06/16/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	373873	06/13/25	06/16/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374159	06/17/25	06/17/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.68	1	374109	06/17/25	06/17/25	CKN
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**190**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Alkalinity, Total as CaCO3	**190**		mg/L	5.0		2.5	373913	06/13/25	06/13/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**440**		mg/L	20		2	373977	06/15/25	06/18/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

Sample ID: QCFB	Lab ID: 535357-004	Collected: 06/12/25 08:41
	Matrix: Water	

535357-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374211	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	21	1	374211	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Methylene Chloride	**6.7**		ug/L	5.0	2.4	1	374211	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	374211	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Chloroform	**0.7**	J	ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374211	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374211	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374211	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	374211	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

535357-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374211	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	97%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
Toluene-d8	102%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
Bromofluorobenzene	100%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535357

Sample ID: QCTB	Lab ID: 535357-005	Collected: 06/12/25
	Matrix: Water	

535357-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	374211	06/18/25	06/18/25	EJB
Freon 12	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Chloromethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromomethane	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
Chloroethane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Acetone	ND		ug/L	100	21	1	374211	06/18/25	06/18/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Methylene Chloride	ND		ug/L	5.0	2.4	1	374211	06/18/25	06/18/25	EJB
MTBE	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
2-Butanone	ND		ug/L	100	1.7	1	374211	06/18/25	06/18/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Benzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Trichloroethene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374211	06/18/25	06/18/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374211	06/18/25	06/18/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374211	06/18/25	06/18/25	EJB
Toluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374211	06/18/25	06/18/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.09	1	374211	06/18/25	06/18/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	374211	06/18/25	06/18/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Styrene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535357

535357-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374211	06/18/25	06/18/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374211	06/18/25	06/18/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374211	06/18/25	06/18/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374211	06/18/25	06/18/25	EJB
Xylene (total)	ND		ug/L	5.0		1	374211	06/18/25	06/18/25	EJB
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
1,2-Dichloroethane-d4	97%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
Toluene-d8	102%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB
Bromofluorobenzene	101%		%REC	70-130		1	374211	06/18/25	06/18/25	EJB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1265886	Batch: 373888
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1265886 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	06/13/25 13:39	06/13/25 14:08
Chloride	ND		mg/L	1.0	0.27	06/13/25 13:39	06/13/25 14:08
Bromide	ND		mg/L	0.30	0.060	06/13/25 13:39	06/13/25 14:08
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	06/13/25 13:39	06/13/25 14:08
Sulfate	ND		mg/L	1.0	0.18	06/13/25 13:39	06/13/25 14:08

Type: Lab Control Sample	Lab ID: QC1265887	Batch: 373888
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1265887 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.20	10.00	mg/L	102%		90-110
Chloride	48.49	50.00	mg/L	97%		90-110
Bromide	15.38	15.00	mg/L	103%		90-110
Nitrogen, Nitrate	4.686	4.518	mg/L	104%		90-110
Sulfate	25.04	25.00	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1265888	Batch: 373888
Matrix (Source ID): Water (535357-001)	Method: EPA 300.0	Prep Method: METHOD

QC1265888 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	29.45	0.8185	20.00	mg/L	143%	*	80-129	1
Chloride	239.1	114.8	100.0	mg/L	124%	E,*	80-123	1
Bromide	20.78	0.2703	15.00	mg/L	137%	*	80-121	1
Nitrogen, Nitrate	12.66	ND	9.036	mg/L	140%	*	80-123	1
Sulfate	350.4	369.7	50.00	mg/L	-38%	E,NM	79-124	1

Type: Matrix Spike Duplicate	Lab ID: QC1265889	Batch: 373888
Matrix (Source ID): Water (535357-001)	Method: EPA 300.0	Prep Method: METHOD

QC1265889 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	28.74	0.8185	20.00	mg/L	140%	*	80-129	2	21	1
Chloride	235.8	114.8	100.0	mg/L	121%	E	80-123		20	1
Bromide	20.20	0.2703	15.00	mg/L	133%	*	80-121	3	20	1
Nitrogen, Nitrate	12.33	ND	9.036	mg/L	136%	*	80-123	3	20	1
Sulfate	349.9	369.7	50.00	mg/L	-39%	E,NM	79-124		20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1265948	Batch:	373888
Matrix (Source ID):	Water (535466-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1265948 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	23.59	0.3610	20.00	mg/L	116%		80-129	1
Chloride	164.0	54.84	100.0	mg/L	109%		80-123	1
Bromide	16.39	0.1705	15.00	mg/L	108%		80-121	1
Nitrogen, Nitrate	17.44	8.529	9.036	mg/L	99%		80-123	1
Sulfate	140.6	90.50	50.00	mg/L	100%	E	79-124	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1265949	Batch:	373888
Matrix (Source ID):	Water (535466-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1265949 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	22.09	0.3610	20.00	mg/L	109%		80-129	7	21	1
Chloride	158.6	54.84	100.0	mg/L	104%		80-123	3	20	1
Bromide	15.61	0.1705	15.00	mg/L	103%		80-121	5	20	1
Nitrogen, Nitrate	17.04	8.529	9.036	mg/L	94%		80-123	2	20	1
Sulfate	136.6	90.50	50.00	mg/L	92%	E	79-124		20	1

Type:	Blank	Lab ID:	QC1267953	Batch:	374483
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1267953 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	06/20/25	06/23/25

Type:	Lab Control Sample	Lab ID:	QC1267954	Batch:	374483
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1267954 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9415	1.000	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC1267962	Batch:	374483
Matrix (Source ID):	Water (535279-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267962 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.102	0.1190	1.000	mg/L	98%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1267963	Batch:	374483
Matrix (Source ID):	Water (535279-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267963 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.087	0.1190	1.000	mg/L	97%		90-110	1	20	1

Type:	Matrix Spike	Lab ID:	QC1267964	Batch:	374483
Matrix (Source ID):	Water (535279-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267964 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9626	ND	1.000	mg/L	96%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1267965	Batch:	374483
Matrix (Source ID):	Water (535279-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1267965 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.014	ND	1.000	mg/L	101%		90-110	5	20	1

Type:	Blank	Lab ID:	QC1268268	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268268 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	06/22/25	06/22/25

Type:	Lab Control Sample	Lab ID:	QC1268269	Batch:	374561
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	97.00	100.0	mg/L	97%		90-110

Type:	Matrix Spike	Lab ID:	QC1268270	Batch:	374561
Matrix (Source ID):	Water (535016-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268270 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1268271**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535016-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268271 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	100.0	10.00	100.0	mg/L	90%		75-125	0	20	2

Type:	**Matrix Spike**	**Lab ID:**	**QC1268272**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535279-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	86.00	ND	100.0	mg/L	86%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1268273**	**Batch:**	**374561**
Matrix (Source ID):	**Water (535279-001)**	**Method:**	**EPA 410.4**	**Prep Method:**	**METHOD**

QC1268273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	88.00	ND	100.0	mg/L	88%		75-125	2	20	2

Type:	**Blank**	**Lab ID:**	**QC1266133**	**Batch:**	**373951**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1266133 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	06/14/25	06/15/25
Calcium	ND		mg/L	0.57	0.57	06/14/25	06/15/25
Iron	ND		mg/L	0.041	0.041	06/14/25	06/15/25
Magnesium	ND		mg/L	0.10	0.025	06/14/25	06/15/25
Manganese	ND		mg/L	0.010	0.0029	06/14/25	06/15/25
Potassium	ND		mg/L	0.50	0.42	06/14/25	06/15/25
Sodium	ND		mg/L	0.50	0.34	06/14/25	06/15/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1266134**	**Batch:**	**373951**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1266134 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.4181	0.4000	mg/L	105%		80-120
Calcium	19.82	20.40	mg/L	97%		80-120
Iron	0.4075	0.4000	mg/L	102%		80-120
Magnesium	20.74	20.40	mg/L	102%		80-120
Manganese	0.3976	0.4000	mg/L	99%		80-120
Potassium	23.83	24.00	mg/L	99%		80-120
Sodium	20.17	20.40	mg/L	99%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1266135	Batch:	373951
Matrix (Source ID):	Water (535357-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1266135 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6312	0.2266	0.4000	mg/L	101%		75-125	1
Calcium	77.47	59.44	20.40	mg/L	88%		75-125	1
Iron	0.4169	ND	0.4000	mg/L	104%		75-125	1
Magnesium	31.60	11.21	20.40	mg/L	100%		75-125	1
Manganese	0.4449	0.04896	0.4000	mg/L	99%		75-125	1
Potassium	26.71	2.532	24.00	mg/L	101%		75-125	1
Sodium	244.6	229.7	20.40	mg/L	73%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1266136	Batch:	373951
Matrix (Source ID):	Water (535357-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1266136 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6213	0.2266	0.4000	mg/L	99%		75-125	2	20	1
Calcium	77.56	59.44	20.40	mg/L	89%		75-125	0	20	1
Iron	0.4135	ND	0.4000	mg/L	103%		75-125	1	22	1
Magnesium	31.01	11.21	20.40	mg/L	97%		75-125	2	20	1
Manganese	0.4308	0.04896	0.4000	mg/L	95%		75-125	3	20	1
Potassium	26.02	2.532	24.00	mg/L	98%		75-125	3	20	1
Sodium	247.1	229.7	20.40	mg/L	86%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1266197	Batch:	373951
Matrix (Source ID):	Water (535357-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1266197 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	0.2235	0.2266	mg/L	J			5
Calcium	58.98	59.44	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	11.12	11.21	mg/L				5
Manganese	0.04861	0.04896	mg/L	J			5
Potassium	2.336	2.532	mg/L	J			5
Sodium	230.6	229.7	mg/L				5

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1267036**	**Batch:**	**374211**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267036 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.23	50.00	ug/L	108%		69-128
MTBE	49.00	50.00	ug/L	98%		66-125
Benzene	55.18	50.00	ug/L	110%		76-121
Trichloroethene	53.79	50.00	ug/L	108%		76-124
Toluene	54.09	50.00	ug/L	108%		76-120
Chlorobenzene	53.50	50.00	ug/L	107%		78-120
Surrogates						
Dibromofluoromethane	50.78	50.00	ug/L	102%		70-130
1,2-Dichloroethane-d4	52.20	50.00	ug/L	104%		70-130
Toluene-d8	49.38	50.00	ug/L	99%		70-130
Bromofluorobenzene	48.33	50.00	ug/L	97%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1267037**	**Batch:**	**374211**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267037 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.16	50.00	ug/L	102%		69-128	6	23
MTBE	47.89	50.00	ug/L	96%		66-125	2	22
Benzene	53.40	50.00	ug/L	107%		76-121	3	21
Trichloroethene	51.10	50.00	ug/L	102%		76-124	5	22
Toluene	51.92	50.00	ug/L	104%		76-120	4	21
Chlorobenzene	51.57	50.00	ug/L	103%		78-120	4	20
Surrogates								
Dibromofluoromethane	49.76	50.00	ug/L	100%		70-130		
1,2-Dichloroethane-d4	49.57	50.00	ug/L	99%		70-130		
Toluene-d8	49.53	50.00	ug/L	99%		70-130		
Bromofluorobenzene	47.75	50.00	ug/L	95%		70-130		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1267041**	**Batch:**	**374211**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267041 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	06/18/25	06/18/25
Freon 12	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Chloromethane	ND		ug/L	5.0	0.3	06/18/25	06/18/25
Vinyl Chloride	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Bromomethane	ND		ug/L	5.0	0.4	06/18/25	06/18/25
Chloroethane	ND		ug/L	5.0	0.3	06/18/25	06/18/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	06/18/25	06/18/25
Acetone	ND		ug/L	100	21	06/18/25	06/18/25
Freon 113	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	06/18/25	06/18/25
Methylene Chloride	ND		ug/L	5.0	2.4	06/18/25	06/18/25
MTBE	ND		ug/L	5.0	0.09	06/18/25	06/18/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	06/18/25	06/18/25
2-Butanone	ND		ug/L	100	1.7	06/18/25	06/18/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Chloroform	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Bromochloromethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	06/18/25	06/18/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Benzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Trichloroethene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Bromodichloromethane	ND		ug/L	5.0	0.08	06/18/25	06/18/25
Dibromomethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	06/18/25	06/18/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	06/18/25	06/18/25
Toluene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Tetrachloroethene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
Dibromochloromethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	06/18/25	06/18/25
Chlorobenzene	ND		ug/L	5.0	0.09	06/18/25	06/18/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Ethylbenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
m,p-Xylenes	ND		ug/L	10	0.2	06/18/25	06/18/25
o-Xylene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Styrene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
Bromoform	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Isopropylbenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	06/18/25	06/18/25

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Batch QC

QC1267041 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
Bromobenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	06/18/25	06/18/25
n-Butylbenzene	ND		ug/L	5.0	0.4	06/18/25	06/18/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	06/18/25	06/18/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	06/18/25	06/18/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	06/18/25	06/18/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	06/18/25	06/18/25
Naphthalene	ND		ug/L	5.0	0.3	06/18/25	06/18/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	06/18/25	06/18/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	06/18/25	06/18/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	06/18/25	06/18/25
Xylene (total)	ND		ug/L	5.0		06/18/25	06/18/25
Surrogates				**Limits**			
Dibromofluoromethane	103%		%REC	70-130		06/18/25	06/18/25
1,2-Dichloroethane-d4	100%		%REC	70-130		06/18/25	06/18/25
Toluene-d8	103%		%REC	70-130		06/18/25	06/18/25
Bromofluorobenzene	103%		%REC	70-130		06/18/25	06/18/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1267107**	**Batch:**	**374211**
Matrix (Source ID):	**Water (535261-003)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1267107 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	19.36	ND	20.00	ug/L	97%		62-131	1
MTBE	17.60	ND	20.00	ug/L	88%		61-124	1
Benzene	20.28	ND	20.00	ug/L	101%		70-123	1
Trichloroethene	20.99	ND	20.00	ug/L	105%		65-131	1
Toluene	20.42	ND	20.00	ug/L	102%		69-120	1
Chlorobenzene	19.67	ND	20.00	ug/L	98%		72-121	1
Surrogates								
Dibromofluoromethane	49.89		50.00	ug/L	100%		70-130	1
1,2-Dichloroethane-d4	49.03		50.00	ug/L	98%		70-130	1
Toluene-d8	50.72		50.00	ug/L	101%		70-130	1
Bromofluorobenzene	48.50		50.00	ug/L	97%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1267108	Batch:	374211
Matrix (Source ID):	Water (535261-003)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1267108 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	18.85	ND	20.00	ug/L	94%		62-131	3	31	1
MTBE	17.83	ND	20.00	ug/L	89%		61-124	1	30	1
Benzene	19.71	ND	20.00	ug/L	99%		70-123	3	31	1
Trichloroethene	19.38	ND	20.00	ug/L	97%		65-131	8	31	1
Toluene	19.45	ND	20.00	ug/L	97%		69-120	5	29	1
Chlorobenzene	19.01	ND	20.00	ug/L	95%		72-121	3	29	1
Surrogates										
Dibromofluoromethane	50.68		50.00	ug/L	101%		70-130			1
1,2-Dichloroethane-d4	50.95		50.00	ug/L	102%		70-130			1
Toluene-d8	49.32		50.00	ug/L	99%		70-130			1
Bromofluorobenzene	48.80		50.00	ug/L	98%		70-130			1

Type:	Blank	Lab ID:	QC1265827	Batch:	373873
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265827 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	06/13/25	06/16/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		06/13/25	06/16/25

Type:	Lab Control Sample	Lab ID:	QC1265828	Batch:	373873
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265828 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.614	10.00	ug/L	96%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.22	10.00	ug/L	102%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1265829	Batch:	373873
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1265829 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	10.29	10.00	ug/L	103%		79-120	7	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.44	10.00	ug/L	104%		80-120		

Type:	Blank	Lab ID:	QC1266870	Batch:	374159
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1266870 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		06/17/25	06/17/25

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Batch QC

Type: Lab Control Sample **Lab ID:** QC1266871 **Batch:** 374159
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266871 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1266872 **Batch:** 374159
Matrix (Source ID): Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266872 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1266873 **Batch:** 374159
Matrix (Source ID): Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1266873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.7000	ND	1.000	mg/L	70%	*	80-120	0	20	1

Type: Blank **Lab ID:** QC1266723 **Batch:** 374109
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266723 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	06/17/25	06/17/25

Type: Lab Control Sample **Lab ID:** QC1266724 **Batch:** 374109
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266724 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	25.15	25.00	mg/L	101%		85-115

Type: Matrix Spike **Lab ID:** QC1266725 **Batch:** 374109
Matrix (Source ID): Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266725 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.18	1.099	25.00	mg/L	112%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1266726 **Batch:** 374109
Matrix (Source ID): Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1266726 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	29.98	1.099	25.00	mg/L	116%		75-125	3	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1266137	Batch: 373913
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1266137 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		06/13/25	06/13/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		06/13/25	06/13/25

Type: Lab Control Sample	Lab ID: QC1266138	Batch: 373913
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1266138 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,000	1000	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1266139	Batch: 373913
Matrix (Source ID): Water (535279-001)	Method: SM2320B	Prep Method: METHOD

QC1266139 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	196.5	198.0	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	196.5	198.0	mg/L		1	20	2.5

Type: Blank	Lab ID: QC1266230	Batch: 373977
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC1266230 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		06/15/25	06/18/25

Type: Lab Control Sample	Lab ID: QC1266231	Batch: 373977
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC1266231 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	995.5	1000	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1266232	Batch: 373977
Matrix (Source ID): Water (535434-001)	Method: SM2540C	Prep Method: METHOD

QC1266232 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	646.0	644.0	mg/L		0	5	2

Type: Sample Duplicate	Lab ID: QC1266233	Batch: 373977
Matrix (Source ID): Water (535109-001)	Method: SM2540C	Prep Method: METHOD

QC1266233 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	300.0	292.0	mg/L		3	5	2

Batch QC

*	Value is outside QC limits
E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 535357

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2506A31

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-535357

Project Location:
Project Received: 06/17/2025

Analytical Report reviewed & approved for release on 06/19/2025 by:

Yen Cao

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506A31

Project: EO-535357

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506A31

Project: EO-535357

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506A31
Date Received:	06/17/2025 9:11	**Extraction Method:**	RSK175
Date Prepared:	06/18/2025	**Analytical Method:**	RSK175
Project:	EO-535357	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2506A31-001A	Water	06/12/2025 08:28	GC26 0618250925.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2800**	100	100	2	06/18/2025 17:06

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-16	2506A31-002A	Water	06/12/2025 09:31	GC26 0618250926.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1400**	50	50	1	06/18/2025 17:35

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-3	2506A31-003A	Water	06/12/2025 10:43	GC26 0618250928.D	319633

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**4000**	200	200	4	06/18/2025 18:00

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506A31
Date Prepared:	06/18/2025	**BatchID:**	319633
Date Analyzed:	06/18/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-535357	**Sample ID:**	MB/LCS/LCSD-319633

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	72	73	70-130	1.23	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2506A31 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-535357

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **2 days;**

Date Received: **06/17/2025**
Date Logged: **06/17/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2506A31-001	DW-1	Water	6/12/2025 08:28	☐	A	A										
2506A31-002	DW-16	Water	6/12/2025 09:31	☐	A	A										
2506A31-003	DW-3	Water	6/12/2025 10:43	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-535357
Comments

Work Order: 2506A31
QC Level: LEVEL 2
Date Logged: 6/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-1	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/12/2025 8:28	2 days	6/19/2025	None	☐	☐
002A	DW-16	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/12/2025 9:31	2 days	6/19/2025	None	☐	☐
003A	DW-3	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	6/12/2025 10:43	2 days	6/19/2025	None	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2500A31

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

HOLD TIME RUSH

Enthalpy Order: EO-535357
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-1	12-JUN-2025 08:28	535357-001	3	Water	RSK-175 CO2	
DW-16	12-JUN-2025 09:31	535357-002	3	Water	RSK-175 CO2	
DW-3	12-JUN-2025 10:43	535357-003	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	[signature]	[signature]
	Date: 6-16-25 14:30	Date: 6/17/25 0911
		[signature] 1545
	Date:	Date:
	Date:	Date:

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Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-535357

Date and Time Received: 6/17/2025 09:11
Date Logged: 6/17/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

WorkOrder №: 2506A31 Matrix: Water
Carrier: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☐	No ☑	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 3.2°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments: Sample 2506A31-001A with method RSK175 (CO2) was received unpreserved. Sample 2506A31-002A with method RSK175 (CO2) was received unpreserved. Sample 2506A31-003A with method RSK175 (CO2) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535882
Report Level : II
Report Date : 06/30/2025

Analytical Report *prepared for:*

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA 94954

Location: Chiquita Canyon Sampling / RM22.1077.00\ Ph 13

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA
94954

Lab Job #: 535882
Location: Chiquita Canyon Sampling / RM22.1077.00\ Ph 13
Date Received: 06/19/25

Sample ID	Lab ID	Collected	Matrix
FP-01	535882-001	06/19/25 10:32	Water
QCFB	535882-002	06/19/25 00:00	Water
QCTB	535882-003	06/19/25 00:00	Water
EQUIPMENT BLANK	535882-004	06/19/25 00:00	Water

Case Narrative

RMC Geoscience 775 Baywood Drive Suite 305 Petaluma, CA 94954 Adrienne Thibeault	Lab Job Number: 535882 Location: Chiquita Canyon Sampling / RM22.1077.00\ Ph 13 Date Received: 06/19/25

This data package contains sample and QC results for four water samples, requested for the above referenced project on 06/19/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- High recovery was observed for trichloroethene in the BSD for batch 374571; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- FP-01 (lab # 535882-001) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Low recoveries were observed for bromide and nitrogen, nitrate in the MS/MSD for batch 374376; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 374376; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY

Login 535882

Phone 714-771-6900

Chain of Custody Record

Lab No: 535882

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water
DW = Drinking Wate SD = Sediment PP = Pure
Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 12/ 12 13 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geo-Logic Associates	Quote #:	
Report To:	Adrienne Thibeault	Project Name:	**Chiquita Canyon Sampling**
Email:	athibeault@geo-logic.com	Project #:	RM22.1077.00\ Ph 13
Address:	2777 E Guasti Rd UNIT 1	P.O. #:	
	Ontario, CA 91761	Address:	
Phone:	(909) 677-1093	Global ID:	L0003464243
Fax:		Sampled By:	J. Rekstad

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	1,4-Dioxane (EPA 8270C-SIM)	Bicarbonate (as CaCO3), Total Alkalinity (as CaCO3)	Ammonia -N (EPA 350.1)	Carbon Dioxide (free & total) (Sm 4500-CO2 D)	Chemical Oxygen Demand (EPA 410.4)	Bromide, Chloride, Fluoride, Nitrate-N, Sulfate (EPA 300.0)	Sulfide (SM 4500-S2-D), TOC (SM 5310B)	TDS (SM 2540C)	8260 VOCs (Appx I & Appx II) + DCDFM	Total Metals - Ca, B, Fe, Mg, Mn, Na, K (EPA 6010B)	Test Instructions / Comments
1	FP-01	6.19.25	1032	Water	15		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	QCFB	6.19.25	—	Water	3										✓		
3	QCTB	6.19.25	—	Water	2										✓		
4	Equipment Blank	6.19.25	—		3										✓		
5																	
6																	
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Jesse Rekstad	Jesse Rekstad	Geo-Logic Associates	6.19.25 1415
[1] Received By:		Gwen Kim	EA	6/19/25 1415
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 6/19/25 WO# 535882 Client: Geo-Logic Associates

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☐ Courier ☑ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 6/19/25 By (initials) GCK Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0
Cooler Temp (°C) #1: 1.2 / 1.2 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)

☑ **No additional discrepancies**

Date Logged 6/19/25 **By (print)** MSK **(sign)** [signature]
Date Labeled 6/19/25 **By (print)** MSK **(sign)** [signature]

ENTHALPY ANALYTICAL

Analysis Results for 535882

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA 94954

Lab Job #: 535882
Location: Chiquita Canyon Sampling / RM22.1077.00
Ph 13
Date Received: 06/19/25

Sample ID: FP-01 **Lab ID: 535882-001** **Collected: 06/19/25 10:32**
Matrix: Water

535882-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.30**		mg/L	0.20	0.073	1	374376	06/19/25 15:45	06/19/25 20:29	SSN
Chloride	**100**		mg/L	1.0	0.27	1	374376	06/19/25 15:45	06/19/25 20:29	SSN
Bromide	**0.54**		mg/L	0.30	0.060	1	374376	06/19/25 15:45	06/19/25 20:29	SSN
Nitrogen, Nitrate	**0.10**		mg/L	0.10	0.05	1	374376	06/19/25 15:45	06/19/25 20:29	SSN
Sulfate	**380**		mg/L	10	1.8	10	374376	06/19/25 15:45	06/19/25 20:46	SSN
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	374836	06/25/25	06/25/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**180**		mg/L	4.0	2.0	1	374492	06/20/25	06/20/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	**0.46**		mg/L	0.050	0.0062	1	374590	06/23/25	06/23/25	CAP
Calcium	**490**		mg/L	1.0	0.57	1	374590	06/23/25	06/23/25	CAP
Iron	**130**		mg/L	10	4.1	100	374590	06/23/25	06/23/25	CAP
Magnesium	**80**		mg/L	0.10	0.025	1	374590	06/23/25	06/23/25	CAP
Manganese	**4.0**		mg/L	0.010	0.0029	1	374590	06/23/25	06/23/25	CAP
Potassium	**18**		mg/L	0.50	0.42	1	374590	06/23/25	06/23/25	CAP
Sodium	**140**		mg/L	0.50	0.34	1	374590	06/23/25	06/23/25	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	374571	06/22/25	06/22/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	374571	06/22/25	06/22/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	374571	06/22/25	06/22/25	ZST
2-Hexanone	ND		ug/L	5.0	0.7	1	374571	06/22/25	06/22/25	ZST
Iodomethane	ND		ug/L	7.6	7.6	1	374571	06/22/25	06/22/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	374571	06/22/25	06/22/25	ZST
Methyl methacrylate	ND		ug/L	5.0	1.5	1	374571	06/22/25	06/22/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	374571	06/22/25	06/22/25	ZST
Acrolein	ND		ug/L	200	2.2	1	374571	06/22/25	06/22/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	374571	06/22/25	06/22/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Acetone	ND		ug/L	100	21	1	374571	06/22/25	06/22/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535882

535882-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	374571	06/22/25	06/22/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374571	06/22/25	06/22/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	374571	06/22/25	06/22/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374571	06/22/25	06/22/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374571	06/22/25	06/22/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374571	06/22/25	06/22/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374571	06/22/25	06/22/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535882

535882-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374571	06/22/25	06/22/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	93%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane-d4	95%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Toluene-d8	103%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Bromofluorobenzene	103%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	**6.2**		ug/L	1.0	0.95	1	374458	06/20/25	06/22/25	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	374458	06/20/25	06/22/25	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	374644	06/23/25	06/23/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**9.4**		mg/L	1.0	0.68	1	374503	06/20/25	06/21/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	**380**		mg/L	10		5	374557	06/21/25	06/21/25	WWC
Alkalinity, Total as CaCO3	**380**		mg/L	10		5	374557	06/21/25	06/21/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	374629	06/23/25	06/24/25	RDL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535882

Sample ID: QCFB	Lab ID: 535882-002	Collected: 06/19/25
	Matrix: Water	

535882-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	374571	06/22/25	06/22/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	374571	06/22/25	06/22/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	374571	06/22/25	06/22/25	ZST
2-Hexanone	ND		ug/L	5.0	0.7	1	374571	06/22/25	06/22/25	ZST
Iodomethane	ND		ug/L	7.6	7.6	1	374571	06/22/25	06/22/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	374571	06/22/25	06/22/25	ZST
Methyl methacrylate	ND		ug/L	5.0	1.5	1	374571	06/22/25	06/22/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	374571	06/22/25	06/22/25	ZST
Acrolein	ND		ug/L	200	2.2	1	374571	06/22/25	06/22/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	374571	06/22/25	06/22/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Acetone	ND		ug/L	100	21	1	374571	06/22/25	06/22/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Methylene Chloride	**3.9**	J	ug/L	5.0	2.4	1	374571	06/22/25	06/22/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374571	06/22/25	06/22/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Chloroform	**0.7**	J	ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	374571	06/22/25	06/22/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374571	06/22/25	06/22/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374571	06/22/25	06/22/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 535882

535882-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374571	06/22/25	06/22/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374571	06/22/25	06/22/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374571	06/22/25	06/22/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	94%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane-d4	94%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Toluene-d8	103%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535882

Sample ID: QCTB	Lab ID: 535882-003	Collected: 06/19/25
	Matrix: Water	

535882-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	374571	06/22/25	06/22/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	374571	06/22/25	06/22/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	374571	06/22/25	06/22/25	ZST
2-Hexanone	ND		ug/L	5.0	0.7	1	374571	06/22/25	06/22/25	ZST
Iodomethane	ND		ug/L	7.6	7.6	1	374571	06/22/25	06/22/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	374571	06/22/25	06/22/25	ZST
Methyl methacrylate	ND		ug/L	5.0	1.5	1	374571	06/22/25	06/22/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	374571	06/22/25	06/22/25	ZST
Acrolein	ND		ug/L	200	2.2	1	374571	06/22/25	06/22/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	374571	06/22/25	06/22/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Acetone	ND		ug/L	100	21	1	374571	06/22/25	06/22/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	374571	06/22/25	06/22/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374571	06/22/25	06/22/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Chloroform	**0.5**	J	ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	374571	06/22/25	06/22/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374571	06/22/25	06/22/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374571	06/22/25	06/22/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535882

535882-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374571	06/22/25	06/22/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374571	06/22/25	06/22/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374571	06/22/25	06/22/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	95%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane-d4	94%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Toluene-d8	103%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535882

Sample ID: EQUIPMENT BLANK	Lab ID: 535882-004	Collected: 06/19/25
	Matrix: Water	

535882-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	374571	06/22/25	06/22/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	374571	06/22/25	06/22/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	374571	06/22/25	06/22/25	ZST
2-Hexanone	ND		ug/L	5.0	0.7	1	374571	06/22/25	06/22/25	ZST
Iodomethane	ND		ug/L	7.6	7.6	1	374571	06/22/25	06/22/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	374571	06/22/25	06/22/25	ZST
Methyl methacrylate	ND		ug/L	5.0	1.5	1	374571	06/22/25	06/22/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	374571	06/22/25	06/22/25	ZST
Acrolein	ND		ug/L	200	2.2	1	374571	06/22/25	06/22/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	374571	06/22/25	06/22/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Acetone	ND		ug/L	100	21	1	374571	06/22/25	06/22/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Methylene Chloride	**3.4**	J	ug/L	5.0	2.4	1	374571	06/22/25	06/22/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	374571	06/22/25	06/22/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Chloroform	**0.6**	J	ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	374571	06/22/25	06/22/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	374571	06/22/25	06/22/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	374571	06/22/25	06/22/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	374571	06/22/25	06/22/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 535882

535882-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromochloromethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	374571	06/22/25	06/22/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	374571	06/22/25	06/22/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	374571	06/22/25	06/22/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	374571	06/22/25	06/22/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	374571	06/22/25	06/22/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	374571	06/22/25	06/22/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	374571	06/22/25	06/22/25	ZST
Xylene (total)	ND		ug/L	5.0		1	374571	06/22/25	06/22/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	95%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
1,2-Dichloroethane-d4	95%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Toluene-d8	102%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	374571	06/22/25	06/22/25	ZST

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1267582	Batch: 374376
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1267582 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	06/19/25 15:45	06/19/25 15:59
Chloride	ND		mg/L	1.0	0.27	06/19/25 15:45	06/19/25 15:59
Bromide	ND		mg/L	0.30	0.060	06/19/25 15:45	06/19/25 15:59
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	06/19/25 15:45	06/19/25 15:59
Sulfate	ND		mg/L	1.0	0.18	06/19/25 15:45	06/19/25 15:59

Type: Lab Control Sample	Lab ID: QC1267583	Batch: 374376
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1267583 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.20	10.00	mg/L	102%		90-110
Chloride	49.03	50.00	mg/L	98%		90-110
Bromide	15.48	15.00	mg/L	103%		90-110
Nitrogen, Nitrate	4.722	4.518	mg/L	105%		90-110
Sulfate	25.21	25.00	mg/L	101%		90-110

Type: Matrix Spike	Lab ID: QC1267589	Batch: 374376
Matrix (Source ID): Water (535736-001)	Method: EPA 300.0	Prep Method: METHOD

QC1267589 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.42	0.5045	20.00	mg/L	105%		80-129	1
Chloride	467.9	428.9	100.0	mg/L	39%	E,NM	80-123	1
Bromide	15.20	1.170	15.00	mg/L	94%		80-121	1
Nitrogen, Nitrate	12.99	4.732	9.036	mg/L	91%		80-123	1
Sulfate	504.5	671.6	50.00	mg/L	-334%	E,NM	79-124	1

Type: Matrix Spike Duplicate	Lab ID: QC1267590	Batch: 374376
Matrix (Source ID): Water (535736-001)	Method: EPA 300.0	Prep Method: METHOD

QC1267590 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.22	0.5045	20.00	mg/L	104%		80-129	1	21	1
Chloride	466.3	428.9	100.0	mg/L	37%	E,NM	80-123		20	1
Bromide	15.28	1.170	15.00	mg/L	94%		80-121	1	20	1
Nitrogen, Nitrate	12.94	4.732	9.036	mg/L	91%		80-123	0	20	1
Sulfate	503.3	671.6	50.00	mg/L	-337%	E,NM	79-124		20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1267591	Batch:	374376
Matrix (Source ID):	Water (535762-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1267591 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.82	ND	20.00	mg/L	104%		80-129	1
Chloride	180.4	82.27	100.0	mg/L	98%		80-123	1
Bromide	6.532	0.6462	15.00	mg/L	39%	*	80-121	1
Nitrogen, Nitrate	8.306	ND	9.036	mg/L	92%		80-123	1
Sulfate	108.8	61.47	50.00	mg/L	95%	E	79-124	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1267592	Batch:	374376
Matrix (Source ID):	Water (535762-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1267592 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.84	ND	20.00	mg/L	104%		80-129	0	21	1
Chloride	180.0	82.27	100.0	mg/L	98%		80-123	0	20	1
Bromide	5.851	0.6462	15.00	mg/L	35%	*	80-121	11	20	1
Nitrogen, Nitrate	7.179	ND	9.036	mg/L	79%	*	80-123	15	20	1
Sulfate	108.4	61.47	50.00	mg/L	94%	E	79-124		20	1

Type:	Blank	Lab ID:	QC1269210	Batch:	374836
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1269210 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	06/25/25	06/25/25

Type:	Lab Control Sample	Lab ID:	QC1269211	Batch:	374836
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1269211 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.027	1.000	mg/L	103%		90-110

Type:	Matrix Spike	Lab ID:	QC1269212	Batch:	374836
Matrix (Source ID):	Water (536167-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1269212 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.102	0.05684	1.000	mg/L	105%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1269213	Batch:	374836
Matrix (Source ID):	Water (536167-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1269213 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.096	0.05684	1.000	mg/L	104%		90-110	1	20	1

Type:	Blank	Lab ID:	QC1268002	Batch:	374492
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268002 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	06/20/25	06/20/25

Type:	Lab Control Sample	Lab ID:	QC1268003	Batch:	374492
Matrix:	Water	Method:	EPA 410.4	Prep Method:	METHOD

QC1268003 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	979.0	1000	mg/L	98%		90-110

Type:	Matrix Spike	Lab ID:	QC1268004	Batch:	374492
Matrix (Source ID):	Water (535882-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268004 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,144	175.0	1000	mg/L	97%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1268005	Batch:	374492
Matrix (Source ID):	Water (535882-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268005 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,136	175.0	1000	mg/L	96%		75-125	1	20	2

Type:	Matrix Spike	Lab ID:	QC1268006	Batch:	374492
Matrix (Source ID):	Water (535170-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268006 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,226	269.0	1000	mg/L	96%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1268007	Batch:	374492
Matrix (Source ID):	Water (535170-001)	Method:	EPA 410.4	Prep Method:	METHOD

QC1268007 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,242	269.0	1000	mg/L	97%		75-125	1	20	2

Type:	Blank	Lab ID:	QC1268380	Batch:	374590
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1268380 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	06/23/25	06/23/25
Calcium	ND		mg/L	0.57	0.57	06/23/25	06/23/25
Iron	ND		mg/L	0.041	0.041	06/23/25	06/23/25
Magnesium	ND		mg/L	0.10	0.025	06/23/25	06/23/25
Manganese	ND		mg/L	0.010	0.0029	06/23/25	06/23/25
Potassium	ND		mg/L	0.50	0.42	06/23/25	06/23/25
Sodium	ND		mg/L	0.50	0.34	06/23/25	06/23/25

Type:	Lab Control Sample	Lab ID:	QC1268381	Batch:	374590
Matrix:	Water	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1268381 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3717	0.4000	mg/L	93%		80-120
Calcium	19.92	20.40	mg/L	98%		80-120
Iron	0.4057	0.4000	mg/L	101%		80-120
Magnesium	20.69	20.40	mg/L	101%		80-120
Manganese	0.3874	0.4000	mg/L	97%		80-120
Potassium	22.97	24.00	mg/L	96%		80-120
Sodium	19.70	20.40	mg/L	97%		80-120

Type:	Matrix Spike	Lab ID:	QC1268382	Batch:	374590
Matrix (Source ID):	Water (536000-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1268382 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	89.16	86.63	4.000	mg/L	63%	NM	75-125	10
Calcium	6,675	6606	204.0	mg/L	34%	NM	75-125	10
Iron	875.4	888.6	4.000	mg/L	-330%	E,NM	75-125	10
Magnesium	1,057	876.7	204.0	mg/L	89%	NM	75-125	10
Manganese	42.80	39.87	4.000	mg/L	73%	NM	75-125	10
Potassium	1,905	1695	240.0	mg/L	88%	NM	75-125	10
Sodium	5,260	5156	204.0	mg/L	51%	NM	75-125	10

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1268383	Batch:	374590
Matrix (Source ID):	Water (536000-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1268383 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	88.77	86.63	4.000	mg/L	53%	NM	75-125	0	20	10
Calcium	6,693	6606	204.0	mg/L	42%	NM	75-125	0	20	10
Iron	872.4	888.6	4.000	mg/L	-404%	E,NM	75-125		22	10
Magnesium	1,059	876.7	204.0	mg/L	89%	NM	75-125	0	20	10
Manganese	42.63	39.87	4.000	mg/L	69%	NM	75-125	0	20	10
Potassium	1,910	1695	240.0	mg/L	90%	NM	75-125	0	20	10
Sodium	5,258	5156	204.0	mg/L	50%	NM	75-125	0	20	10

Type:	Serial Dilution	Lab ID:	QC1268436	Batch:	374590
Matrix (Source ID):	Water (536000-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1268436 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	85.04	86.63	mg/L				50
Calcium	6,846	6606	mg/L				50
Iron	927.7	888.6	mg/L				50
Magnesium	901.7	876.7	mg/L				50
Manganese	40.02	39.87	mg/L				50
Potassium	1,628	1695	mg/L				50
Sodium	5,170	5156	mg/L				50

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1268296	**Batch:** 374571	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1268296 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.4	06/22/25	06/22/25
Chloroprene	ND		ug/L	200	0.3	06/22/25	06/22/25
3-Chloropropene	ND		ug/L	5.0	0.5	06/22/25	06/22/25
Ethyl methacrylate	ND		ug/L	50	1.5	06/22/25	06/22/25
2-Hexanone	ND		ug/L	5.0	0.7	06/22/25	06/22/25
Iodomethane	ND		ug/L	7.6	7.6	06/22/25	06/22/25
Methyl acrylonitrile	ND		ug/L	35	2.3	06/22/25	06/22/25
Methyl methacrylate	ND		ug/L	5.0	1.5	06/22/25	06/22/25
Vinyl Acetate	ND		ug/L	50	4.3	06/22/25	06/22/25
Acrolein	ND		ug/L	200	2.2	06/22/25	06/22/25
Acrylonitrile	ND		ug/L	10	0.3	06/22/25	06/22/25
Freon 12	ND		ug/L	5.0	0.2	06/22/25	06/22/25
Chloromethane	ND		ug/L	5.0	0.3	06/22/25	06/22/25
Vinyl Chloride	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Bromomethane	ND		ug/L	5.0	0.4	06/22/25	06/22/25
Chloroethane	ND		ug/L	5.0	0.3	06/22/25	06/22/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	06/22/25	06/22/25
Acetone	ND		ug/L	100	21	06/22/25	06/22/25
Freon 113	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	06/22/25	06/22/25
Methylene Chloride	ND		ug/L	5.0	2.4	06/22/25	06/22/25
MTBE	ND		ug/L	5.0	0.09	06/22/25	06/22/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	06/22/25	06/22/25
2-Butanone	ND		ug/L	100	1.7	06/22/25	06/22/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Chloroform	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Bromochloromethane	ND		ug/L	5.0	0.2	06/22/25	06/22/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	06/22/25	06/22/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	06/22/25	06/22/25
Benzene	ND		ug/L	1.0	0.1	06/22/25	06/22/25
Trichloroethene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Bromodichloromethane	ND		ug/L	5.0	0.08	06/22/25	06/22/25
Dibromomethane	ND		ug/L	5.0	0.2	06/22/25	06/22/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	06/22/25	06/22/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	06/22/25	06/22/25
Toluene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	06/22/25	06/22/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Tetrachloroethene	ND		ug/L	5.0	0.09	06/22/25	06/22/25
Dibromochloromethane	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	06/22/25	06/22/25

ENTHALPY ANALYTICAL

Batch QC

QC1268296 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/L	5.0	0.09	06/22/25	06/22/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Ethylbenzene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
m,p-Xylenes	ND		ug/L	10	0.2	06/22/25	06/22/25
o-Xylene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Styrene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
Bromoform	ND		ug/L	5.0	0.2	06/22/25	06/22/25
Isopropylbenzene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	06/22/25	06/22/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	06/22/25	06/22/25
Propylbenzene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
Bromobenzene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	06/22/25	06/22/25
n-Butylbenzene	ND		ug/L	5.0	0.4	06/22/25	06/22/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	06/22/25	06/22/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	06/22/25	06/22/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	06/22/25	06/22/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	06/22/25	06/22/25
Naphthalene	ND		ug/L	5.0	0.3	06/22/25	06/22/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	06/22/25	06/22/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	06/22/25	06/22/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	06/22/25	06/22/25
Xylene (total)	ND		ug/L	5.0		06/22/25	06/22/25
Surrogates				**Limits**			
Dibromofluoromethane	93%		%REC	70-130		06/22/25	06/22/25
1,2-Dichloroethane-d4	94%		%REC	70-130		06/22/25	06/22/25
Toluene-d8	103%		%REC	70-130		06/22/25	06/22/25
Bromofluorobenzene	102%		%REC	70-130		06/22/25	06/22/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1268297	Batch: 374571
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1268297 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.11	50.00	ug/L	100%		69-128
MTBE	43.00	50.00	ug/L	86%		66-125
Benzene	54.42	50.00	ug/L	109%		76-121
Trichloroethene	52.49	50.00	ug/L	105%		76-124
Toluene	53.33	50.00	ug/L	107%		76-120
Chlorobenzene	51.07	50.00	ug/L	102%		78-120
Surrogates						
Dibromofluoromethane	45.25	50.00	ug/L	91%		70-130
1,2-Dichloroethane-d4	46.71	50.00	ug/L	93%		70-130
Toluene-d8	50.16	50.00	ug/L	100%		70-130
Bromofluorobenzene	48.77	50.00	ug/L	98%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1268298	Batch: 374571
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1268298 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	40.88	50.00	ug/L	82%		69-128	20	23
MTBE	35.30	50.00	ug/L	71%		66-125	20	22
Benzene	55.05	50.00	ug/L	110%		76-121	1	21
Trichloroethene	65.25	50.00	ug/L	130%	*	76-124	22	22
Toluene	53.96	50.00	ug/L	108%		76-120	1	21
Chlorobenzene	51.76	50.00	ug/L	104%		78-120	1	20
Surrogates								
Dibromofluoromethane	36.89	50.00	ug/L	74%		70-130		
1,2-Dichloroethane-d4	42.10	50.00	ug/L	84%		70-130		
Toluene-d8	49.85	50.00	ug/L	100%		70-130		
Bromofluorobenzene	48.40	50.00	ug/L	97%		70-130		

Type: Matrix Spike	Lab ID: QC1268318	Batch: 374571
Matrix (Source ID): Water (535998-003)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1268318 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	905.1	ND	1000	ug/L	91%		62-131	50
MTBE	836.1	ND	1000	ug/L	84%		61-124	50
Benzene	1,062	27.06	1000	ug/L	103%		70-123	50
Trichloroethene	1,050	ND	1000	ug/L	105%		65-131	50
Toluene	1,056	17.92	1000	ug/L	104%		69-120	50
Chlorobenzene	990.8	ND	1000	ug/L	99%		72-121	50
Surrogates								
Dibromofluoromethane	2,270		2500	ug/L	91%		70-130	50
1,2-Dichloroethane-d4	2,353		2500	ug/L	94%		70-130	50
Toluene-d8	2,528		2500	ug/L	101%		70-130	50
Bromofluorobenzene	2,435		2500	ug/L	97%		70-130	50

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1268319	Batch:	374571
Matrix (Source ID):	Water (535998-003)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1268319 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	809.2	ND	1000	ug/L	81%		62-131	11	31	50
MTBE	796.9	ND	1000	ug/L	80%		61-124	5	30	50
Benzene	965.0	27.06	1000	ug/L	94%		70-123	10	31	50
Trichloroethene	970.7	ND	1000	ug/L	97%		65-131	8	31	50
Toluene	953.4	17.92	1000	ug/L	94%		69-120	10	29	50
Chlorobenzene	902.6	ND	1000	ug/L	90%		72-121	9	29	50
Surrogates										
Dibromofluoromethane	2,229		2500	ug/L	89%		70-130			50
1,2-Dichloroethane-d4	2,389		2500	ug/L	96%		70-130			50
Toluene-d8	2,543		2500	ug/L	102%		70-130			50
Bromofluorobenzene	2,462		2500	ug/L	98%		70-130			50

Type:	Blank	Lab ID:	QC1267854	Batch:	374458
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1267854 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	06/20/25	06/22/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		06/20/25	06/22/25

Type:	Lab Control Sample	Lab ID:	QC1267855	Batch:	374458
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1267855 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.04	10.00	ug/L	100%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.12	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1267856	Batch:	374458
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1267856 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	10.68	10.00	ug/L	107%		79-120	6	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.27	10.00	ug/L	103%		80-120		

Type:	Blank	Lab ID:	QC1268576	Batch:	374644
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1268576 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		06/23/25	06/23/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1268577 **Batch:** 374644
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1268577 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1268578 **Batch:** 374644
Matrix (Source ID): Water (535721-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1268578 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1268579 **Batch:** 374644
Matrix (Source ID): Water (535721-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1268579 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	0	20	1

Type: Blank **Lab ID:** QC1268031 **Batch:** 374503
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1268031 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	06/20/25	06/20/25

Type: Lab Control Sample **Lab ID:** QC1268032 **Batch:** 374503
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1268032 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	25.06	25.00	mg/L	100%		85-115

Type: Matrix Spike **Lab ID:** QC1268033 **Batch:** 374503
Matrix (Source ID): Water (535874-007) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1268033 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	25.27	2.683	25.00	mg/L	90%		75-125	2

Type: Matrix Spike Duplicate **Lab ID:** QC1268034 **Batch:** 374503
Matrix (Source ID): Water (535874-007) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1268034 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	25.71	2.683	25.00	mg/L	92%		75-125	2	25	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1268246	Batch: 374557
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1268246 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO3	ND		mg/L	2.0		06/21/25	06/21/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		06/21/25	06/21/25

Type: Lab Control Sample	Lab ID: QC1268247	Batch: 374557
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1268247 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	972.4	1000	mg/L	97%		90-110

Type: Sample Duplicate	Lab ID: QC1269205	Batch: 374557
Matrix (Source ID): Water (535882-001)	Method: SM2320B	Prep Method: METHOD

QC1269205 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO3	391.5	382.8	mg/L		2	20	5
Alkalinity, Total as CaCO3	391.5	382.8	mg/L		2	20	5

Type: Blank	Lab ID: QC1268524	Batch: 374629
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1268524 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		06/23/25	06/24/25

Type: Lab Control Sample	Lab ID: QC1268525	Batch: 374629
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1268525 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	984.0	1000	mg/L	98%		90-110

Type: Sample Duplicate	Lab ID: QC1268526	Batch: 374629
Matrix (Source ID): Water (535986-001)	Method: SM2540C	Prep Method: METHOD

QC1268526 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,878	1850	mg/L		2	5	2

Type: Sample Duplicate	Lab ID: QC1268527	Batch: 374629
Matrix (Source ID): Water (535845-006)	Method: SM2540C	Prep Method: METHOD

QC1268527 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	478.0	468.0	mg/L		2	5	2

Batch QC

*	Value is outside QC limits
E	Response exceeds instrument's linear range
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 535882

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2506E84

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-535882

Project Location:
Project Received: 06/24/2025

Analytical Report reviewed & approved for release on 06/26/2025 by:

Tracy Babjar
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506E84

Project: EO-535882

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2506E84

Project: EO-535882

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	Aqueous sample that contains greater than ~1 vol. % sediment

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506E84
Date Received:	06/24/2025 10:26	**Extraction Method:**	RSK175
Date Prepared:	06/25/2025	**Analytical Method:**	RSK175
Project:	EO-535882	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
FP-01	2506E84-001A	Water	06/19/2025 10:32	GC26 0625250205.D	320203

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**33,000**	2000	2000	40	06/25/2025 15:41

Analyst(s): CLO

Analytical Comments: b1

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2506E84
Date Prepared:	06/25/2025	**BatchID:**	320203
Date Analyzed:	06/25/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-535882	**Sample ID:**	MB/LCS/LCSD-320203

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	130	187.2	76	71	70-130	6.44	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2506E84 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-535882

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **06/24/2025**
Date Logged: **06/24/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2506E84-001	FP-01	Water	6/19/2025 10:32	☐	A	A	A									

Test Legend:

1	PR3PTCOMP	2	PRDisposal Fee	3	RSK175_CO2_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-535882
Comments

Work Order: 2506E84
QC Level: LEVEL 2
Date Logged: 6/24/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	FP-01	Water	RSK175 (CO2)	**3 / (3:1)**	VOA, Unpres	☐	☐	☐	6/19/2025 10:32	2 days	6/26/2025	1%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2506E84

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

RUSH!

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243667
PO #: PO-079649

Enthalpy Order: EO-535882
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: RUSH TAT (short hold time)
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill. Please ship Monday for Tuesday delivery.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
FP-01	19-JUN-2025 10:32	535882-001	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Date:	Date: 6/20/25 1026
		4.1 w2 1041
	Date:	Date:
	Date:	Date:

1 of 1

Updated COC per email 6/24/25

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Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-535882

Date and Time Received: 6/24/2025 10:26
Date Logged: 6/24/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

WorkOrder №: 2506E84 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.1°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments: Sample 2506E84-001A with method RSK175 (CO_2) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 524158
Report Level : II
Report Date : 01/31/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: CHIQUITA CANYON LF - Chiquita Canyon Landfill

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	524158 CHIQUITA CANYON LF Chiquita Canyon Landfill 01/16/25

Sample ID	Lab ID	Collected	Matrix
JS-1	524158-001	01/16/25 12:26	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 524158 Project No: CHIQUITA CANYON LF Location: Chiquita Canyon Landfill Date Received: 01/16/25

This data package contains sample and QC results for one water sample, requested for the above referenced project on 01/17/25. The sample was received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- High recovery was observed for MTBE in the BSD for batch 360834; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated sample.
- Naphthalene was detected between the MDL and the RL in the method blank for batch 360834; this analyte was not detected in the sample at or above the RL.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

pH of Aqueous Samples (SM 4500-H+ B):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 524158

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	pH, Nitrate-N	Total Metals; As, Cd, Cu, Pb, Hg, Ni, Se Ag, Zn									Test Instructions / Comments
1	JS-1	1/16/25	1226	W	5	var.	x	x	x									Site Water cc report to: pchang@changenvironmental.com
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		1-9/2-1 1R-12

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Paul Chang	CEI	1.16.25 1415
1 Received By:		Jim Lin	EA-NH	1.16.25 1415
2 Relinquished By:		Jim Lin	EA-NH	1.17.25 0830
2 Received By:		Hrag B.	EA-NH	1/17/25 0830
3 Relinquished By:		Hrag B.	EA-NH	1/17/25 1248
3 Received By:		D. Sanchez	EA	1/17/25 1420

D. Sanchez EA 1/17/25 1525 Amber Smallwo 1/17/25 1525

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1·16·25 WO# _____ Client: Chiquita Canyon LF.

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Client Drop Off at LA Service Center

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 1·16·25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2

Cooler Temp (°C) #1: 14.3 / 14.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

☐ PM notified

Date Logged _____ **By (print)** _____ **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 1/17/25 WO# 524158 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in NH

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/17/25 By (initials) DNS Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR12 CF: +0.2

Cooler Temp (°C) #1: 1.0 / 1.2 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 1/16/25 **By (print)** G. Kroa **(sign)** _____

Date Labeled 1/17/25 **By (print)** Danny **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 524158

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 524158
Project No: CHIQUITA CANYON LF
Location: Chiquita Canyon Landfill
Date Received: 01/16/25

Sample ID: JS-1 **Lab ID: 524158-001** **Collected: 01/16/25 12:26**
Matrix: Water

524158-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**0.66**		mg/L	0.10	0.06	1	360626	01/17/25 15:30	01/18/25 01:12	AJL
Method: EPA 6010B Prep Method: EPA 3015A										
Arsenic	ND		mg/L	0.010	0.0062	1	360716	01/19/25	01/20/25	SBW
Cadmium	ND		mg/L	0.0050	0.00037	1	360716	01/19/25	01/20/25	SBW
Copper	ND		mg/L	0.010	0.0060	1	360716	01/19/25	01/20/25	SBW
Lead	ND		mg/L	0.010	0.0062	1	360716	01/19/25	01/20/25	SBW
Nickel	ND		mg/L	0.010	0.0028	1	360716	01/19/25	01/20/25	SBW
Selenium	ND		mg/L	0.030	0.0082	1	360716	01/19/25	01/20/25	SBW
Silver	ND		mg/L	0.0050	0.0013	1	360716	01/19/25	01/20/25	SBW
Zinc	ND		mg/L	0.050	0.013	1	360716	01/19/25	01/20/25	SBW
Method: EPA 7470A Prep Method: EPA 7470A										
Mercury	ND		ug/L	0.40	0.17	1	360844	01/21/25	01/21/25	KCD
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	360834	01/21/25	01/21/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	360834	01/21/25	01/21/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	360834	01/21/25	01/21/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Acetone	ND		ug/L	100	16	1	360834	01/21/25	01/21/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Methylene Chloride	ND		ug/L	5.0	1.4	1	360834	01/21/25	01/21/25	ZST
MTBE	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
2-Butanone	ND		ug/L	100	3.1	1	360834	01/21/25	01/21/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	360834	01/21/25	01/21/25	ZST
Chloroform	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	360834	01/21/25	01/21/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	360834	01/21/25	01/21/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Benzene	ND		ug/L	5.0	0.09	1	360834	01/21/25	01/21/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524158

524158-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichloroethene	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Bromodichloromethane	**0.1**	J	ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Dibromomethane	ND		ug/L	5.0	0.09	1	360834	01/21/25	01/21/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	360834	01/21/25	01/21/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Dibromochloromethane	**0.3**	J	ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	360834	01/21/25	01/21/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	360834	01/21/25	01/21/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Bromoform	**0.5**	J	ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	360834	01/21/25	01/21/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Bromobenzene	ND		ug/L	5.0	0.07	1	360834	01/21/25	01/21/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	360834	01/21/25	01/21/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	360834	01/21/25	01/21/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
Naphthalene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	360834	01/21/25	01/21/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	360834	01/21/25	01/21/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	360834	01/21/25	01/21/25	ZST
Xylene (total)	ND		ug/L	5.0		1	360834	01/21/25	01/21/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	112%		%REC	70-130		1	360834	01/21/25	01/21/25	ZST
1,2-Dichloroethane-d4	89%		%REC	70-130		1	360834	01/21/25	01/21/25	ZST
Toluene-d8	89%		%REC	70-130		1	360834	01/21/25	01/21/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	360834	01/21/25	01/21/25	ZST
Method: SM 4500-H+ B										
pH	**7.90**	H	SU			1	361426	01/27/25 22:22	01/27/25 22:22	CDR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 524158

524158-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Temperature	**18.60**	H	deg C	1.00		1	361426	01/27/25 22:22	01/27/25 22:22	CDR

H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1220920**	**Batch:**	**360626**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220920 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	01/17/25 15:30	01/17/25 16:51

Type:	**Lab Control Sample**	**Lab ID:**	**QC1220921**	**Batch:**	**360626**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220921 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrate	4.426	4.518	mg/L	98%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1220922**	**Batch:**	**360626**
Matrix (Source ID):	**Drinking Water (524186-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220922 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrate	8.759	0.08402	9.036	mg/L	96%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1220923**	**Batch:**	**360626**
Matrix (Source ID):	**Drinking Water (524186-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220923 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrate	8.684	0.08402	9.036	mg/L	95%		80-120	1	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1220924**	**Batch:**	**360626**
Matrix (Source ID):	**Drinking Water (524187-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220924 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrate	9.311	0.07941	9.036	mg/L	102%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1220925**	**Batch:**	**360626**
Matrix (Source ID):	**Drinking Water (524187-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1220925 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrate	8.690	0.07941	9.036	mg/L	95%		80-120	7	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1221213	Batch: 360716
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1221213 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/L	0.010	0.0062	01/19/25	01/20/25
Cadmium	ND		mg/L	0.0050	0.00037	01/19/25	01/20/25
Copper	ND		mg/L	0.010	0.0060	01/19/25	01/20/25
Lead	ND		mg/L	0.010	0.0062	01/19/25	01/20/25
Nickel	ND		mg/L	0.010	0.0028	01/19/25	01/20/25
Selenium	ND		mg/L	0.030	0.0082	01/19/25	01/20/25
Silver	ND		mg/L	0.0050	0.0013	01/19/25	01/20/25
Zinc	ND		mg/L	0.050	0.013	01/19/25	01/20/25

Type: Lab Control Sample	Lab ID: QC1221214	Batch: 360716
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1221214 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	0.3455	0.4000	mg/L	86%		80-120
Cadmium	0.3556	0.4000	mg/L	89%		80-120
Copper	0.3534	0.4000	mg/L	88%		80-120
Lead	0.3639	0.4000	mg/L	91%		80-120
Nickel	0.3580	0.4000	mg/L	90%		80-120
Selenium	0.3345	0.4000	mg/L	84%		80-120
Silver	0.1711	0.2000	mg/L	86%		80-120
Zinc	0.3525	0.4000	mg/L	88%		80-120

Type: Matrix Spike	Lab ID: QC1221215	Batch: 360716
Matrix (Source ID): Water (524157-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1221215 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	0.3549	ND	0.4000	mg/L	89%		75-125	1
Cadmium	0.3477	ND	0.4000	mg/L	87%		75-125	1
Copper	0.3671	ND	0.4000	mg/L	92%		75-125	1
Lead	0.3532	ND	0.4000	mg/L	88%		75-125	1
Nickel	0.3550	ND	0.4000	mg/L	89%		75-125	1
Selenium	0.3379	0.01015	0.4000	mg/L	82%		75-125	1
Silver	0.1716	ND	0.2000	mg/L	86%		75-125	1
Zinc	0.3579	ND	0.4000	mg/L	89%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1221216	Batch:	360716
Matrix (Source ID):	Water (524157-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1221216 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	0.3548	ND	0.4000	mg/L	89%		75-125	0	20	1
Cadmium	0.3471	ND	0.4000	mg/L	87%		75-125	0	20	1
Copper	0.3676	ND	0.4000	mg/L	92%		75-125	0	20	1
Lead	0.3537	ND	0.4000	mg/L	88%		75-125	0	20	1
Nickel	0.3553	ND	0.4000	mg/L	89%		75-125	0	20	1
Selenium	0.3403	0.01015	0.4000	mg/L	83%		75-125	1	20	1
Silver	0.1724	ND	0.2000	mg/L	86%		75-125	0	20	1
Zinc	0.3548	ND	0.4000	mg/L	89%		75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1221349	Batch:	360716
Matrix (Source ID):	Water (524157-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1221349 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Arsenic	ND	ND	mg/L				5
Cadmium	ND	ND	mg/L				5
Copper	ND	ND	mg/L				5
Lead	ND	ND	mg/L				5
Nickel	ND	ND	mg/L				5
Selenium	ND	0.01015	mg/L				5
Silver	ND	ND	mg/L				5
Zinc	ND	ND	mg/L				5

Type:	Blank	Lab ID:	QC1221694	Batch:	360844
Matrix:	Water	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1221694 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	01/21/25	01/21/25

Type:	Lab Control Sample	Lab ID:	QC1221695	Batch:	360844
Matrix:	Water	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1221695 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.006	5.000	ug/L	100%		80-120

Type:	Matrix Spike	Lab ID:	QC1221696	Batch:	360844
Matrix (Source ID):	Water (524079-001)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1221696 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.978	ND	5.000	ug/L	100%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1221697	Batch:	360844
Matrix (Source ID):	Water (524079-001)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1221697 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.876	ND	5.000	ug/L	98%		75-125	2	20	1

Type:	Lab Control Sample	Lab ID:	QC1221655	Batch:	360834
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221655 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.66	50.00	ug/L	103%		70-135
MTBE	59.68	50.00	ug/L	119%		70-130
Benzene	56.30	50.00	ug/L	113%		70-130
Trichloroethene	57.42	50.00	ug/L	115%		70-130
Toluene	48.40	50.00	ug/L	97%		70-130
Chlorobenzene	49.80	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	51.29	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	42.48	50.00	ug/L	85%		70-130
Toluene-d8	45.88	50.00	ug/L	92%		70-130
Bromofluorobenzene	51.26	50.00	ug/L	103%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1221656	Batch:	360834
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221656 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	58.48	50.00	ug/L	117%		70-135	12	30
MTBE	66.01	50.00	ug/L	132%	*	70-130	10	30
Benzene	62.83	50.00	ug/L	126%		70-130	11	30
Trichloroethene	63.81	50.00	ug/L	128%		70-130	11	30
Toluene	53.53	50.00	ug/L	107%		70-130	10	30
Chlorobenzene	54.57	50.00	ug/L	109%		70-130	9	30
Surrogates								
Dibromofluoromethane	52.27	50.00	ug/L	105%		70-130		
1,2-Dichloroethane-d4	42.28	50.00	ug/L	85%		70-130		
Toluene-d8	44.89	50.00	ug/L	90%		70-130		
Bromofluorobenzene	52.69	50.00	ug/L	105%		70-130		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1221657**	**Batch:**	**360834**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1221657 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	01/21/25	01/21/25
Freon 12	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Chloromethane	ND		ug/L	5.0	0.4	01/21/25	01/21/25
Vinyl Chloride	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Bromomethane	ND		ug/L	5.0	0.3	01/21/25	01/21/25
Chloroethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Acetone	ND		ug/L	100	16	01/21/25	01/21/25
Freon 113	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Methylene Chloride	ND		ug/L	5.0	1.4	01/21/25	01/21/25
MTBE	ND		ug/L	5.0	0.2	01/21/25	01/21/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
2-Butanone	ND		ug/L	100	3.1	01/21/25	01/21/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	01/21/25	01/21/25
Chloroform	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Bromochloromethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	01/21/25	01/21/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	01/21/25	01/21/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Benzene	ND		ug/L	5.0	0.09	01/21/25	01/21/25
Trichloroethene	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Bromodichloromethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Dibromomethane	ND		ug/L	5.0	0.09	01/21/25	01/21/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	01/21/25	01/21/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Toluene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Tetrachloroethene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Dibromochloromethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	01/21/25	01/21/25
Chlorobenzene	ND		ug/L	5.0	0.09	01/21/25	01/21/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Ethylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
m,p-Xylenes	ND		ug/L	10	0.2	01/21/25	01/21/25
o-Xylene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Styrene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Bromoform	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Isopropylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	01/21/25	01/21/25

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Batch QC

QC1221657 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Bromobenzene	ND		ug/L	5.0	0.07	01/21/25	01/21/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
n-Butylbenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	01/21/25	01/21/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	01/21/25	01/21/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
Naphthalene	0.1	J	ug/L	5.0	0.1	01/21/25	01/21/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	01/21/25	01/21/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	01/21/25	01/21/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	01/21/25	01/21/25
Xylene (total)	ND		ug/L	5.0		01/21/25	01/21/25
Surrogates				**Limits**			
Dibromofluoromethane	115%		%REC	70-130		01/21/25	01/21/25
1,2-Dichloroethane-d4	87%		%REC	70-130		01/21/25	01/21/25
Toluene-d8	89%		%REC	70-130		01/21/25	01/21/25
Bromofluorobenzene	97%		%REC	70-130		01/21/25	01/21/25

Type: Matrix Spike **Lab ID:** QC1221730 **Batch:** 360834
Matrix (Source ID): Water (524274-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1221730 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	2,112	ND	2500	ug/L	84%		70-130	50
MTBE	2,647	ND	2500	ug/L	106%		75-130	50
Benzene	2,365	ND	2500	ug/L	95%		70-130	50
Trichloroethene	2,368	ND	2500	ug/L	95%		63-130	50
Toluene	1,991	ND	2500	ug/L	80%		70-130	50
Chlorobenzene	2,119	ND	2500	ug/L	85%		70-130	50
Surrogates								
Dibromofluoromethane	2,597		2500	ug/L	104%		70-130	50
1,2-Dichloroethane-d4	2,138		2500	ug/L	86%		70-130	50
Toluene-d8	2,262		2500	ug/L	90%		70-130	50
Bromofluorobenzene	2,593		2500	ug/L	104%		70-130	50

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1221731	Batch:	360834
Matrix (Source ID):	Water (524274-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1221731 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	2,215	ND	2500	ug/L	89%		70-130	5	30	50
MTBE	2,757	ND	2500	ug/L	110%		75-130	4	30	50
Benzene	2,480	ND	2500	ug/L	99%		70-130	5	30	50
Trichloroethene	2,492	ND	2500	ug/L	100%		63-130	5	30	50
Toluene	2,096	ND	2500	ug/L	84%		70-130	5	30	50
Chlorobenzene	2,197	ND	2500	ug/L	88%		70-130	4	30	50
Surrogates										
Dibromofluoromethane	2,623		2500	ug/L	105%		70-130			50
1,2-Dichloroethane-d4	2,128		2500	ug/L	85%		70-130			50
Toluene-d8	2,247		2500	ug/L	90%		70-130			50
Bromofluorobenzene	2,601		2500	ug/L	104%		70-130			50

Type:	Sample Duplicate	Lab ID:	QC1223657	Batch:	361426
Matrix (Source ID):	Water (524084-003)	Method:	SM 4500-H+ B		

QC1223657 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.350	7.360	SU		0	20	1
Temperature	18.80	18.80	deg C		0	20	1

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531893
Report Level : II
Report Date : 05/13/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: CHIQUITA CANYON LF - Chiquita Canyon Landfill - Site Water

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

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Sample Summary

Steve Cassulo Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	531893 CHIQUITA CANYON LF Chiquita Canyon Landfill - Site Water 04/28/25

Sample ID	Lab ID	Collected	Matrix
JS-1	531893-001	04/28/25 12:52	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Steve Cassulo	Lab Job Number: 531893 Project No: CHIQUITA CANYON LF Location: Chiquita Canyon Landfill - Site Water Date Received: 04/28/25

This data package contains sample and QC results for one water sample, requested for the above referenced project on 04/29/25. The sample was received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- High RPD was observed for benzene in the BS/BSD for batch 370550; this analyte was not detected at or above the RL in the associated sample.
- Toluene and 1,2,4-trimethylbenzene were detected between the MDL and the RL in the method blank for batch 370550; these analytes were not detected in the sample at or above the RL.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

pH of Aqueous Samples (SM 4500-H+ B):
No analytical problems were encountered.

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Chain of Custody Record

Lab No: 531893

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive	Address:	
	Castaic, CA, 91384		
Phone:	661-257-3655	Global ID:	
Fax:		Sampled By:	Paul Chang

Test Instructions / Comments

1 RTT 2.5 2.5

Site Water

cc report to: pchang@changenvironmental.com

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	pH, Nitrate-N	Total Metals; As, Cd, Cu, Pb, Hg, Ni, Se	Ag, Zn
1	JS-1	4/28/25	1252	W	6	var.	x	x	x	
2										
3										
4										
5										
6										
7										
8										
9										
10										

Login 531893

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Paul Chang	CEI	4/28/25 1405
[1] Received By:		Hrag B.	EA-NH	4/28/25 1405
[2] Relinquished By:		Hrag B.	EA-NH	4/29/25 1045
[2] Received By:		Nicole Mendoza	EA	4/29/25 1100
[3] Relinquished By:		Nicole Mendoza	EA	4/29/25 1130
[3] Received By:		Nicole Mendoza	EA	4/29/25 11:30

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 4/29/25 WO# 531893 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/29/25 By (initials) RRS Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 2.5 / 2.5 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 4/28/25 **By (print)** ABD **(sign)** ABD

Date Labeled 4/29/25 **By (print)** AGR **(sign)** Angela Rabuta

ENTHALPY ANALYTICAL

Analysis Results for 531893

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531893
Project No: CHIQUITA CANYON LF
Location: Chiquita Canyon Landfill - Site Water
Date Received: 04/28/25

Sample ID: JS-1 **Lab ID: 531893-001** **Collected: 04/28/25 12:52**
Matrix: Water

531893-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**1.6**		mg/L	0.10	0.05	1	370000	04/29/25 13:30	04/29/25 20:42	AJL
Method: EPA 6010B Prep Method: EPA 3015A										
Arsenic	ND		mg/L	0.010	0.0045	1	370016	04/29/25	04/29/25	CAP
Cadmium	ND		mg/L	0.0050	0.00096	1	370016	04/29/25	04/29/25	CAP
Copper	ND		mg/L	0.010	0.0059	1	370016	04/29/25	04/29/25	CAP
Lead	ND		mg/L	0.010	0.0028	1	370016	04/29/25	04/29/25	CAP
Nickel	**0.0072**	J	mg/L	0.010	0.0033	1	370016	04/29/25	04/29/25	CAP
Selenium	ND		mg/L	0.030	0.0098	1	370016	04/29/25	04/29/25	CAP
Silver	ND		mg/L	0.0050	0.0015	1	370016	04/29/25	04/29/25	CAP
Zinc	ND		mg/L	0.050	0.013	1	370016	04/29/25	04/29/25	CAP
Method: EPA 7470A Prep Method: EPA 7470A										
Mercury	ND		ug/L	0.40	0.17	1	370079	04/30/25	04/30/25	MLL
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.5	1	370550	05/06/25	05/06/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	370550	05/06/25	05/06/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	370550	05/06/25	05/06/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	370550	05/06/25	05/06/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	370550	05/06/25	05/06/25	ZST
Acetone	ND		ug/L	100	21	1	370550	05/06/25	05/06/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	370550	05/06/25	05/06/25	ZST
Methylene Chloride	ND		ug/L	5.0	2.4	1	370550	05/06/25	05/06/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	370550	05/06/25	05/06/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	370550	05/06/25	05/06/25	ZST
2-Butanone	ND		ug/L	100	1.7	1	370550	05/06/25	05/06/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	370550	05/06/25	05/06/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531893

531893-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichloroethene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	370550	05/06/25	05/06/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	370550	05/06/25	05/06/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	370550	05/06/25	05/06/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	370550	05/06/25	05/06/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	370550	05/06/25	05/06/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	370550	05/06/25	05/06/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370550	05/06/25	05/06/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370550	05/06/25	05/06/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	370550	05/06/25	05/06/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370550	05/06/25	05/06/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	370550	05/06/25	05/06/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370550	05/06/25	05/06/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	370550	05/06/25	05/06/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370550	05/06/25	05/06/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	370550	05/06/25	05/06/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	370550	05/06/25	05/06/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	370550	05/06/25	05/06/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370550	05/06/25	05/06/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	119%		%REC	70-130		1	370550	05/06/25	05/06/25	ZST
1,2-Dichloroethane-d4	97%		%REC	70-130		1	370550	05/06/25	05/06/25	ZST
Toluene-d8	102%		%REC	70-130		1	370550	05/06/25	05/06/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	370550	05/06/25	05/06/25	ZST
Method: SM 4500-H+ B										
pH	**7.71**	H	SU			1	370363	05/02/25 19:00	05/02/25 19:00	CDR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531893

531893-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Temperature	**21.90**	H	deg C	1.00		1	370363	05/02/25 19:00	05/02/25 19:00	CDR

H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1252823	**Batch:** 370000
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1252823 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	04/29/25 13:30	04/29/25 14:32

Type: Lab Control Sample	**Lab ID:** QC1252824	**Batch:** 370000
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1252824 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrate	4.580	4.518	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC1252826	**Batch:** 370000
Matrix (Source ID): Water (531895-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1252826 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrate	12.43	3.483	9.036	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1252827	**Batch:** 370000
Matrix (Source ID): Water (531895-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1252827 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrate	12.37	3.483	9.036	mg/L	98%		80-120	1	20	1

Type: Blank	**Lab ID:** QC1252874	**Batch:** 370016
Matrix: Water	**Method:** EPA 6010B	**Prep Method:** EPA 3015A

QC1252874 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/L	0.010	0.0045	04/29/25	04/29/25
Cadmium	ND		mg/L	0.0050	0.00096	04/29/25	04/29/25
Copper	ND		mg/L	0.010	0.0059	04/29/25	04/29/25
Lead	ND		mg/L	0.010	0.0028	04/29/25	04/29/25
Nickel	ND		mg/L	0.010	0.0033	04/29/25	04/29/25
Selenium	ND		mg/L	0.030	0.0098	04/29/25	04/29/25
Silver	ND		mg/L	0.0050	0.0015	04/29/25	04/29/25
Zinc	ND		mg/L	0.050	0.013	04/29/25	04/29/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252875**	**Batch:**	**370016**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1252875 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	0.3621	0.4000	mg/L	91%		80-120
Cadmium	0.3637	0.4000	mg/L	91%		80-120
Copper	0.3372	0.4000	mg/L	84%		80-120
Lead	0.3644	0.4000	mg/L	91%		80-120
Nickel	0.3627	0.4000	mg/L	91%		80-120
Selenium	0.3557	0.4000	mg/L	89%		80-120
Silver	0.1749	0.2000	mg/L	87%		80-120
Zinc	0.3550	0.4000	mg/L	89%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1252876**	**Batch:**	**370016**
Matrix (Source ID):	**Water (531889-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1252876 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	0.3779	ND	0.4000	mg/L	94%		75-125	1
Cadmium	0.3629	ND	0.4000	mg/L	91%		75-125	1
Copper	0.3759	ND	0.4000	mg/L	94%		75-125	1
Lead	0.3680	ND	0.4000	mg/L	92%		75-125	1
Nickel	0.3641	0.008223	0.4000	mg/L	89%		75-125	1
Selenium	0.3684	ND	0.4000	mg/L	92%		75-125	1
Silver	0.1862	ND	0.2000	mg/L	93%		75-125	1
Zinc	0.3555	ND	0.4000	mg/L	89%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1252877**	**Batch:**	**370016**
Matrix (Source ID):	**Water (531889-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1252877 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	0.3642	ND	0.4000	mg/L	91%		75-125	4	20	1
Cadmium	0.3495	ND	0.4000	mg/L	87%		75-125	4	20	1
Copper	0.3632	ND	0.4000	mg/L	91%		75-125	3	20	1
Lead	0.3549	ND	0.4000	mg/L	89%		75-125	4	20	1
Nickel	0.3539	0.008223	0.4000	mg/L	86%		75-125	3	20	1
Selenium	0.3556	ND	0.4000	mg/L	89%		75-125	4	20	1
Silver	0.1805	ND	0.2000	mg/L	90%		75-125	3	20	1
Zinc	0.3433	ND	0.4000	mg/L	86%		75-125	3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Serial Dilution	Lab ID:	QC1252883	Batch:	370016
Matrix (Source ID):	Water (531889-001)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1252883 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Arsenic	ND	ND	mg/L				5
Cadmium	ND	ND	mg/L				5
Copper	ND	ND	mg/L				5
Lead	ND	ND	mg/L				5
Nickel	0.01836	0.008223	mg/L	J			5
Selenium	ND	ND	mg/L				5
Silver	ND	ND	mg/L				5
Zinc	ND	ND	mg/L				5

Type:	Blank	Lab ID:	QC1253088	Batch:	370079
Matrix:	Water	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1253088 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	04/30/25	04/30/25

Type:	Lab Control Sample	Lab ID:	QC1253089	Batch:	370079
Matrix:	Water	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1253089 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.976	5.000	ug/L	100%		80-120

Type:	Matrix Spike	Lab ID:	QC1253090	Batch:	370079
Matrix (Source ID):	Water (532017-003)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1253090 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	965.3	ND	1000	ug/L	97%		75-125	200

Type:	Matrix Spike Duplicate	Lab ID:	QC1253091	Batch:	370079
Matrix (Source ID):	Water (532017-003)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1253091 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	989.1	ND	1000	ug/L	99%		75-125	2	20	200

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1254751**	**Batch:**	**370550**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1254751 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	47.01	50.00	ug/L	94%		70-135
MTBE	43.38	50.00	ug/L	87%		70-130
Benzene	62.24	50.00	ug/L	124%		70-130
Trichloroethene	47.03	50.00	ug/L	94%		70-130
Toluene	47.14	50.00	ug/L	94%		70-130
Chlorobenzene	45.97	50.00	ug/L	92%		70-130
Surrogates						
Dibromofluoromethane	56.83	50.00	ug/L	114%		70-130
1,2-Dichloroethane-d4	48.95	50.00	ug/L	98%		70-130
Toluene-d8	50.58	50.00	ug/L	101%		70-130
Bromofluorobenzene	49.90	50.00	ug/L	100%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1254752**	**Batch:**	**370550**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1254752 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.21	50.00	ug/L	88%		70-135	6	30
MTBE	42.99	50.00	ug/L	86%		70-130	1	30
Benzene	44.99	50.00	ug/L	90%		70-130	32*	30
Trichloroethene	45.22	50.00	ug/L	90%		70-130	4	30
Toluene	44.95	50.00	ug/L	90%		70-130	5	30
Chlorobenzene	43.94	50.00	ug/L	88%		70-130	5	30
Surrogates								
Dibromofluoromethane	60.21	50.00	ug/L	120%		70-130		
1,2-Dichloroethane-d4	48.81	50.00	ug/L	98%		70-130		
Toluene-d8	50.53	50.00	ug/L	101%		70-130		
Bromofluorobenzene	49.88	50.00	ug/L	100%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1254756	**Batch:** 370550	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1254756 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.5	05/06/25	05/06/25
Freon 12	ND		ug/L	5.0	0.2	05/06/25	05/06/25
Chloromethane	ND		ug/L	5.0	0.3	05/06/25	05/06/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Bromomethane	ND		ug/L	5.0	0.4	05/06/25	05/06/25
Chloroethane	ND		ug/L	5.0	0.3	05/06/25	05/06/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	05/06/25	05/06/25
Acetone	ND		ug/L	100	21	05/06/25	05/06/25
Freon 113	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	05/06/25	05/06/25
Methylene Chloride	ND		ug/L	5.0	2.4	05/06/25	05/06/25
MTBE	ND		ug/L	5.0	0.09	05/06/25	05/06/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	05/06/25	05/06/25
2-Butanone	ND		ug/L	100	1.7	05/06/25	05/06/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	05/06/25	05/06/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Chloroform	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/06/25	05/06/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	05/06/25	05/06/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/06/25	05/06/25
Benzene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Trichloroethene	ND		ug/L	5.0	0.2	05/06/25	05/06/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Bromodichloromethane	ND		ug/L	5.0	0.08	05/06/25	05/06/25
Dibromomethane	ND		ug/L	5.0	0.2	05/06/25	05/06/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	05/06/25	05/06/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	05/06/25	05/06/25
Toluene	0.1	J	ug/L	5.0	0.1	05/06/25	05/06/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/06/25	05/06/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Tetrachloroethene	ND		ug/L	5.0	0.09	05/06/25	05/06/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	05/06/25	05/06/25
Chlorobenzene	ND		ug/L	5.0	0.09	05/06/25	05/06/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
m,p-Xylenes	ND		ug/L	10	0.2	05/06/25	05/06/25
o-Xylene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Styrene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
Bromoform	ND		ug/L	5.0	0.2	05/06/25	05/06/25
Isopropylbenzene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/06/25	05/06/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/06/25	05/06/25

ENTHALPY ANALYTICAL

Batch QC

QC1254756 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.2	05/06/25	05/06/25
Bromobenzene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	05/06/25	05/06/25
1,2,4-Trimethylbenzene	0.2	J	ug/L	5.0	0.2	05/06/25	05/06/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	05/06/25	05/06/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	05/06/25	05/06/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/06/25	05/06/25
n-Butylbenzene	ND		ug/L	5.0	0.4	05/06/25	05/06/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/06/25	05/06/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	05/06/25	05/06/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	05/06/25	05/06/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	05/06/25	05/06/25
Naphthalene	ND		ug/L	5.0	0.3	05/06/25	05/06/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	05/06/25	05/06/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	05/06/25	05/06/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	05/06/25	05/06/25
Xylene (total)	ND		ug/L	5.0		05/06/25	05/06/25
Surrogates				**Limits**			
Dibromofluoromethane	106%		%REC	70-130		05/06/25	05/06/25
1,2-Dichloroethane-d4	119%		%REC	70-130		05/06/25	05/06/25
Toluene-d8	102%		%REC	70-130		05/06/25	05/06/25
Bromofluorobenzene	101%		%REC	70-130		05/06/25	05/06/25

Type: Matrix Spike **Lab ID:** QC1254792 **Batch:** 370550
Matrix (Source ID): Water (532382-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1254792 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	937.1	ND	1000	ug/L	94%		70-130	50
MTBE	860.4	ND	1000	ug/L	86%		75-130	50
Benzene	952.1	23.59	1000	ug/L	93%		70-130	50
Trichloroethene	964.4	ND	1000	ug/L	96%		63-130	50
Toluene	937.0	ND	1000	ug/L	94%		70-130	50
Chlorobenzene	903.2	ND	1000	ug/L	90%		70-130	50
Surrogates								
Dibromofluoromethane	2,615		2500	ug/L	105%		70-130	50
1,2-Dichloroethane-d4	2,384		2500	ug/L	95%		70-130	50
Toluene-d8	2,520		2500	ug/L	101%		70-130	50
Bromofluorobenzene	2,519		2500	ug/L	101%		70-130	50

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1254793	Batch:	370550
Matrix (Source ID):	Water (532382-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1254793 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	974.2	ND	1000	ug/L	97%		70-130	4	30	50
MTBE	897.1	ND	1000	ug/L	90%		75-130	4	30	50
Benzene	982.2	23.59	1000	ug/L	96%		70-130	3	30	50
Trichloroethene	993.6	ND	1000	ug/L	99%		63-130	3	30	50
Toluene	968.2	ND	1000	ug/L	97%		70-130	3	30	50
Chlorobenzene	938.3	ND	1000	ug/L	94%		70-130	4	30	50
Surrogates										
Dibromofluoromethane	2,775		2500	ug/L	111%		70-130			50
1,2-Dichloroethane-d4	2,457		2500	ug/L	98%		70-130			50
Toluene-d8	2,513		2500	ug/L	101%		70-130			50
Bromofluorobenzene	2,520		2500	ug/L	101%		70-130			50

Type:	Sample Duplicate	Lab ID:	QC1254107	Batch:	370363
Matrix (Source ID):	Water (532211-002)	Method:	SM 4500-H+ B		

QC1254107 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	5.940	5.920	SU		0	20	1
Temperature	21.40	21.60	deg C		1	20	1

* Value is outside QC limits
J Estimated value
ND Not Detected

APPENDIX E

EMP/CAP TIME-SERIES PLOTS

Figure E-1
VOCs Detected
Well DW-16
Time Series Plot

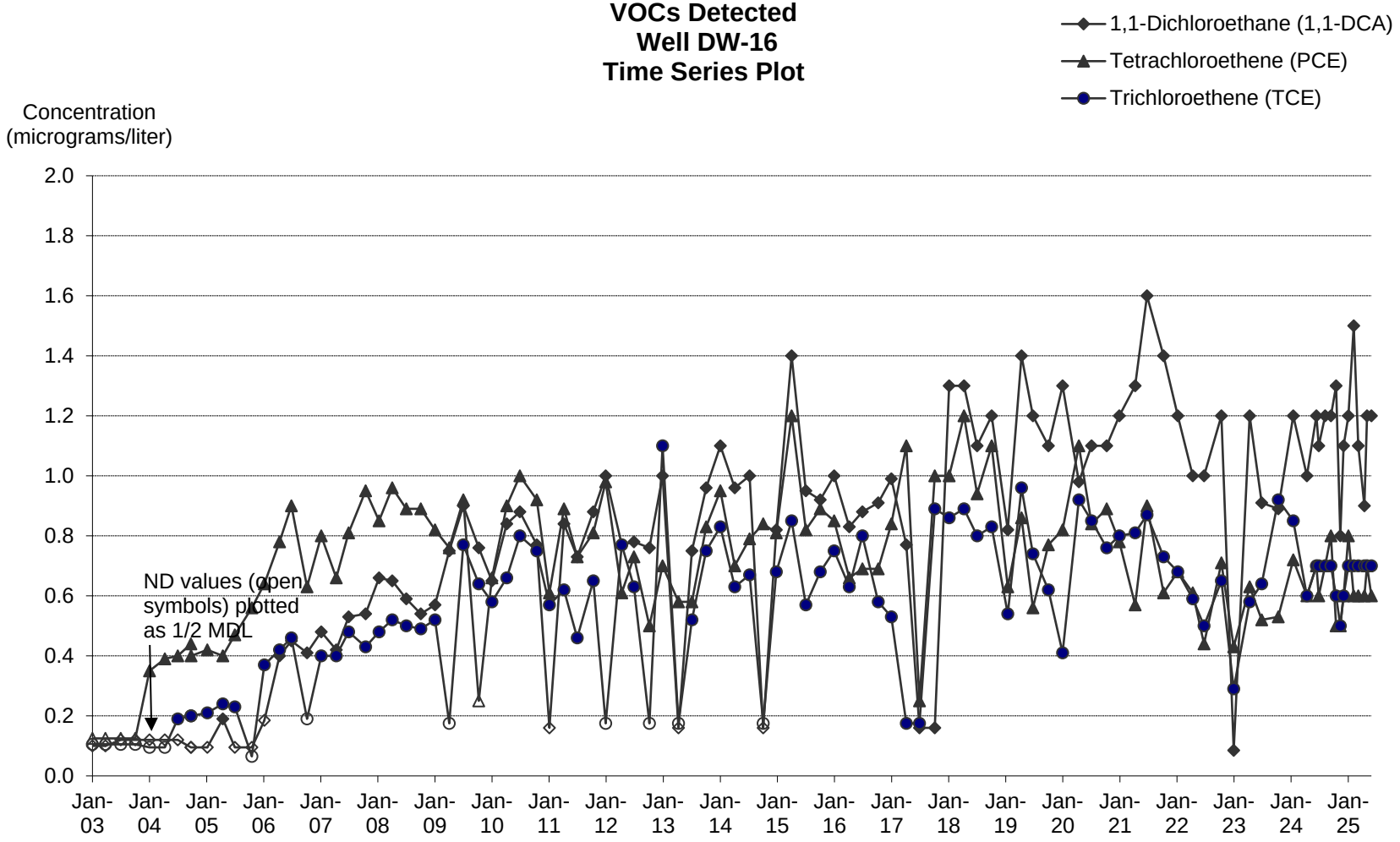


Figure E-2
1,1-Dichloroethane (1,1-DCA)
Well DW-16
Time Series Plot

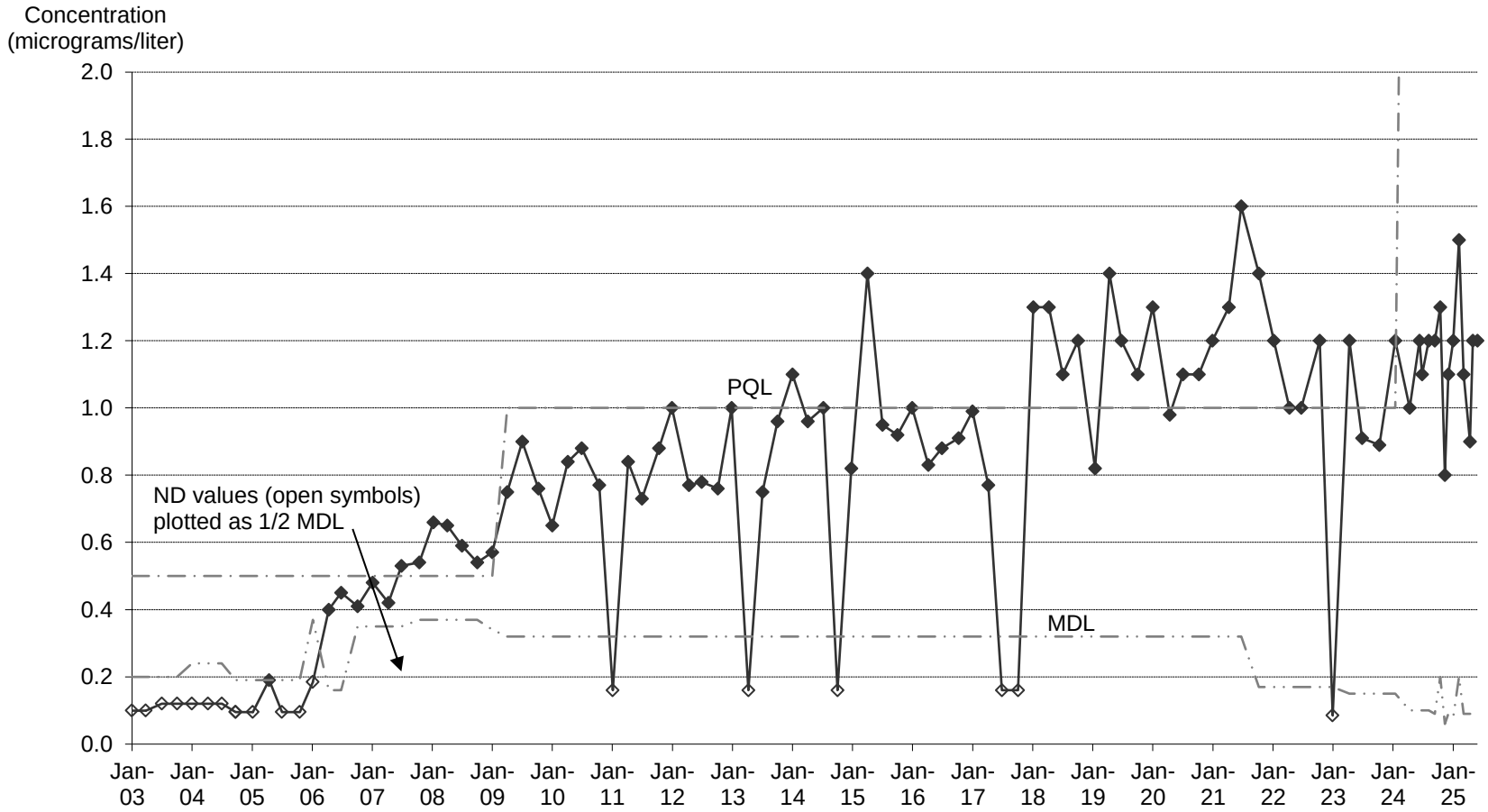


Figure E-3
Tetrachloroethene (PCE)
Well DW-16
Time Series Plot

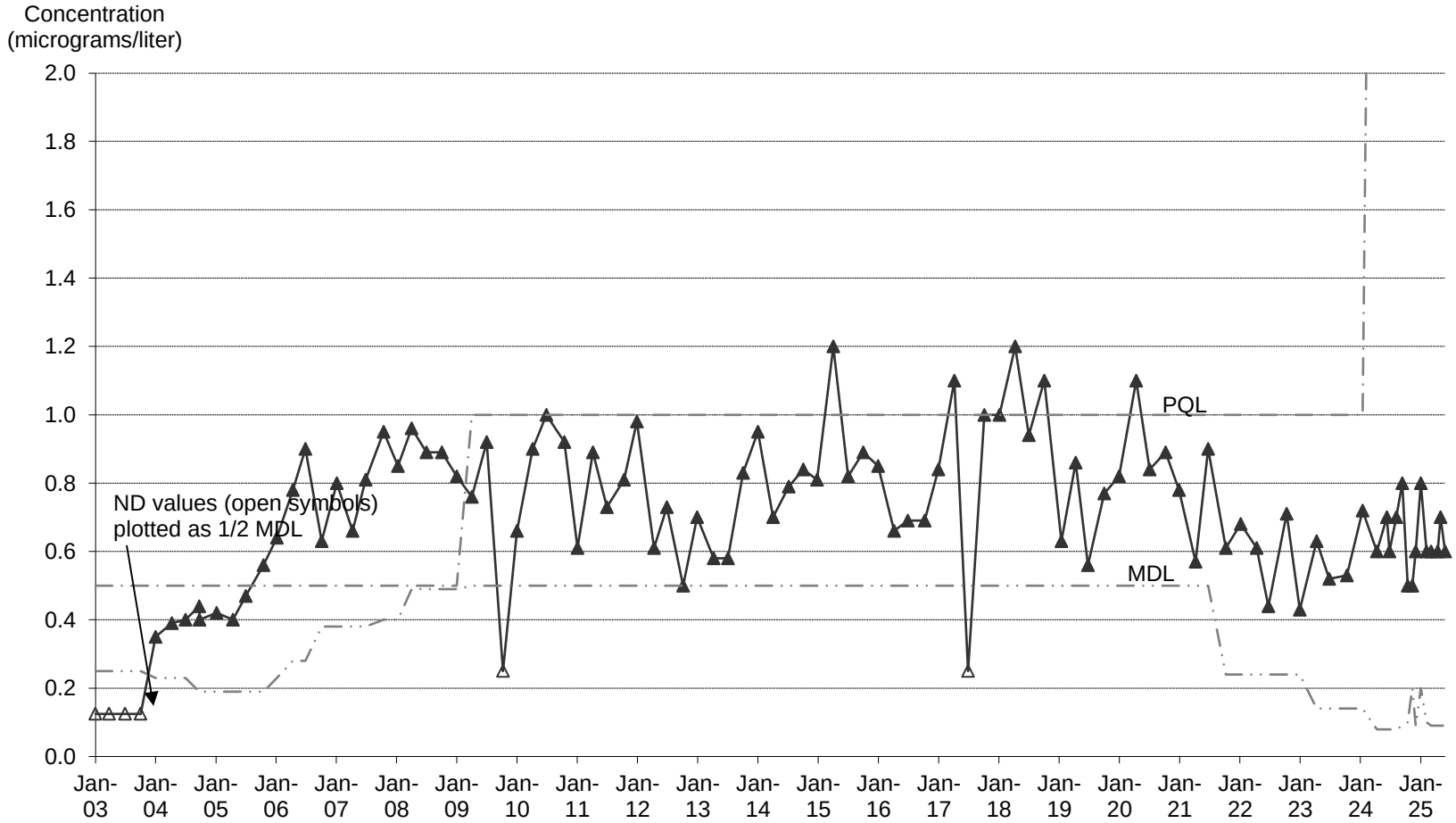


Figure E-4
Trichloroethene (TCE)
Well DW-16
Time Series Plot

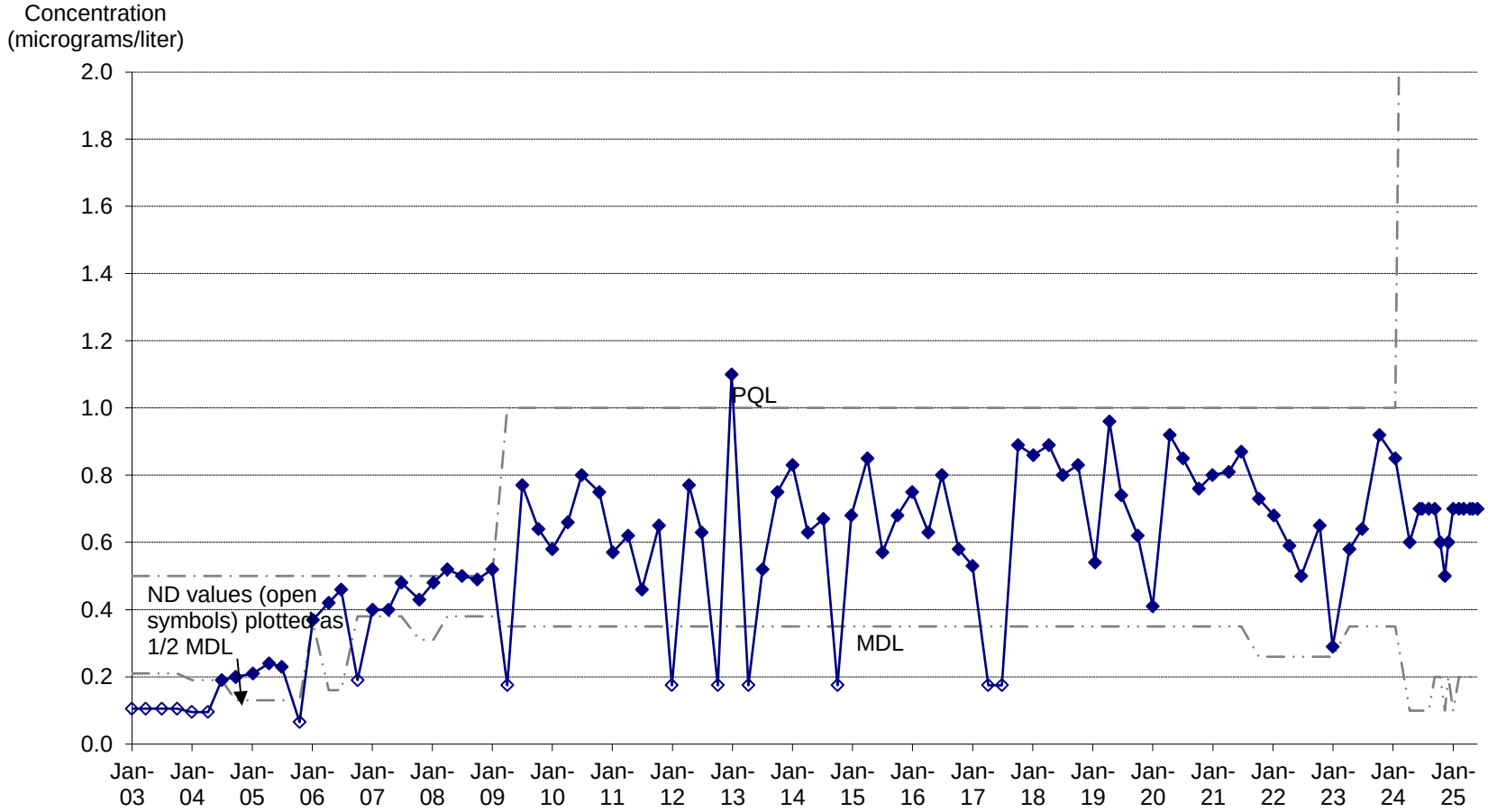


Figure E-5
VOCs Detected
Well DW-1
Time Series Plot

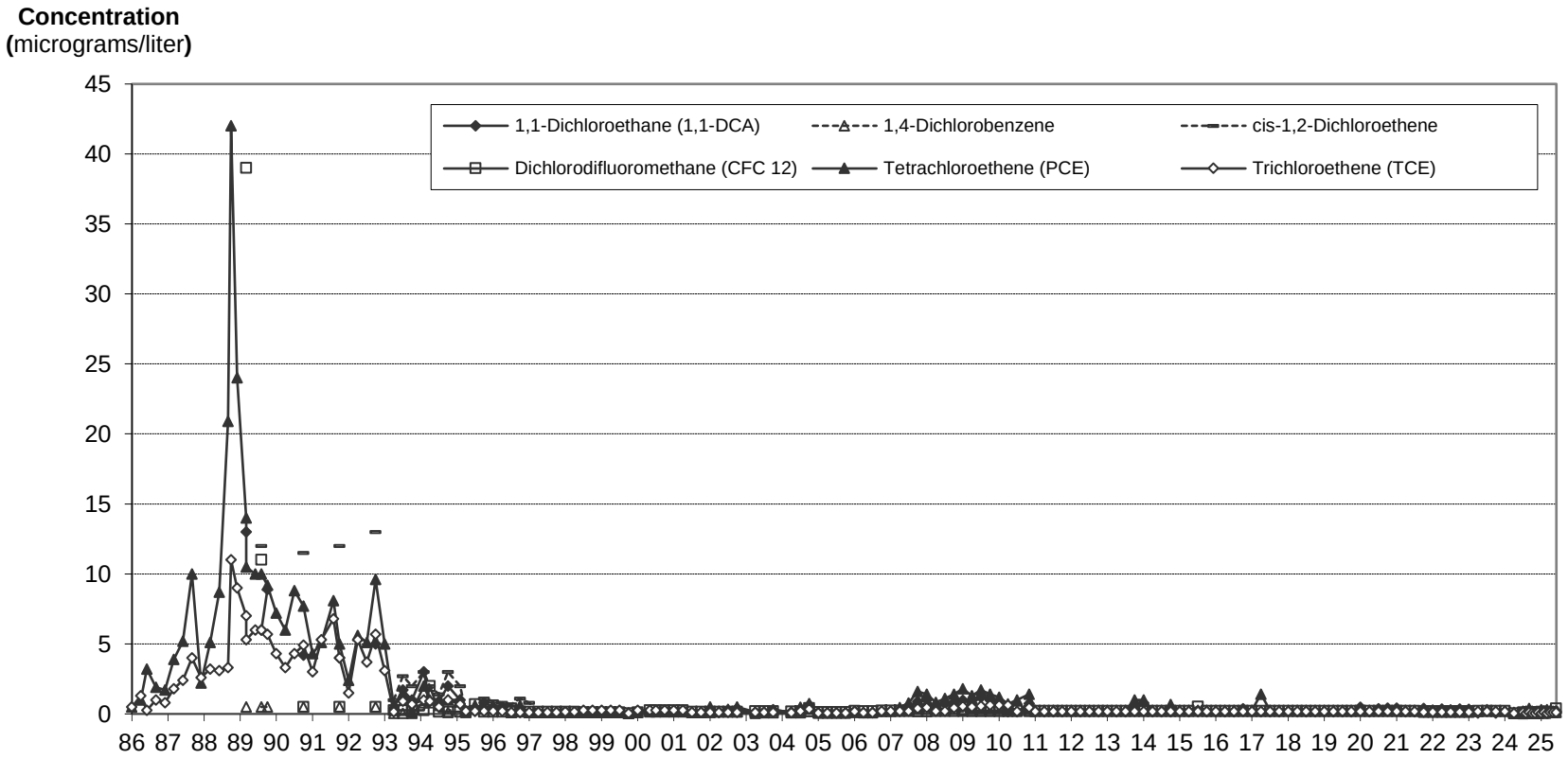


Figure E-6
Dichlorodifluoromethane (CFC 12)
Well DW-1
Time Series Plot

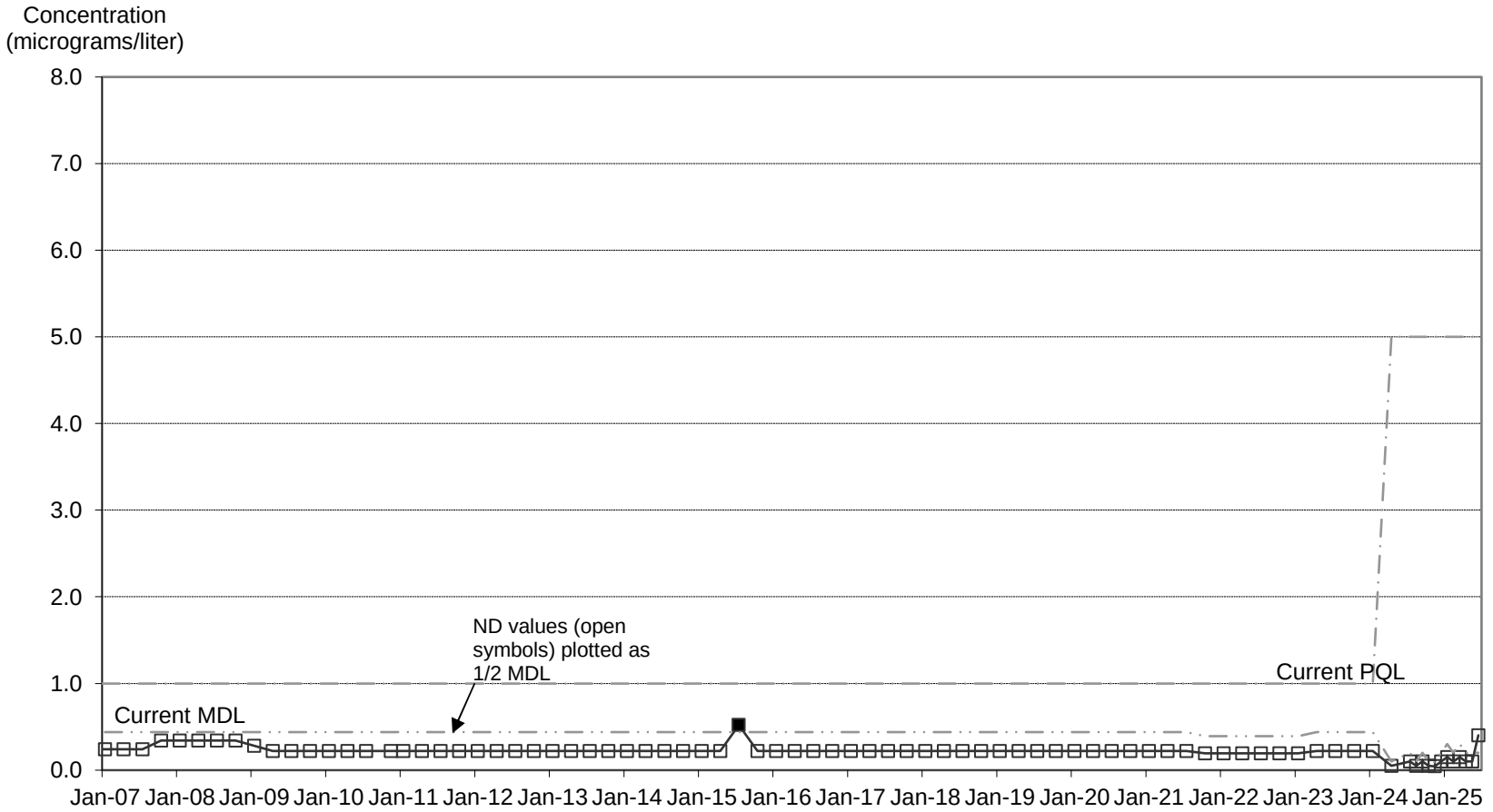


Figure E-7
1,1-Dichloroethane (1,1-DCA)
Well DW-1
Time Series Plot

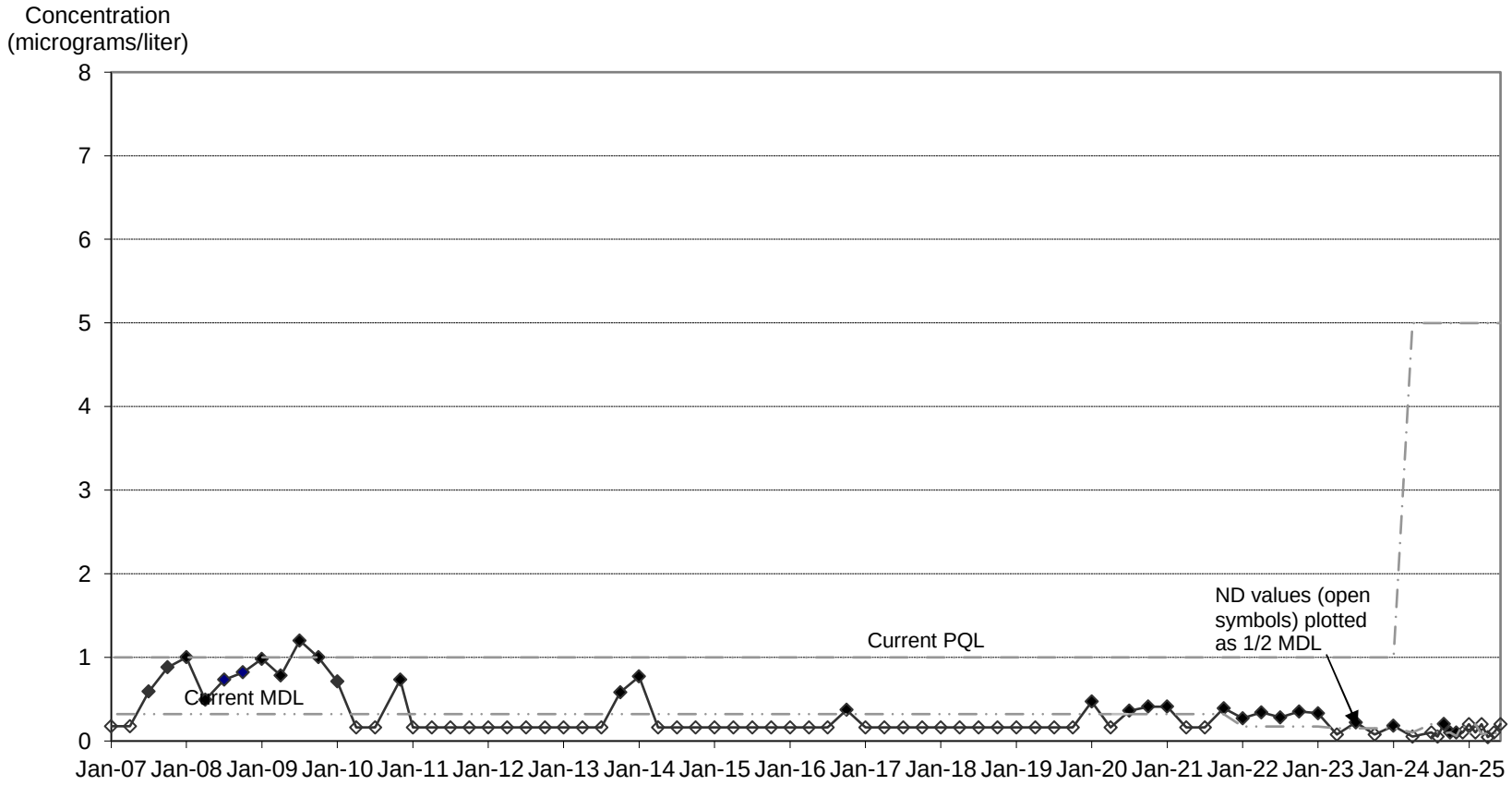


Figure E-8
Tetrachloroethene (PCE)
Well DW-1
Time Series Plot

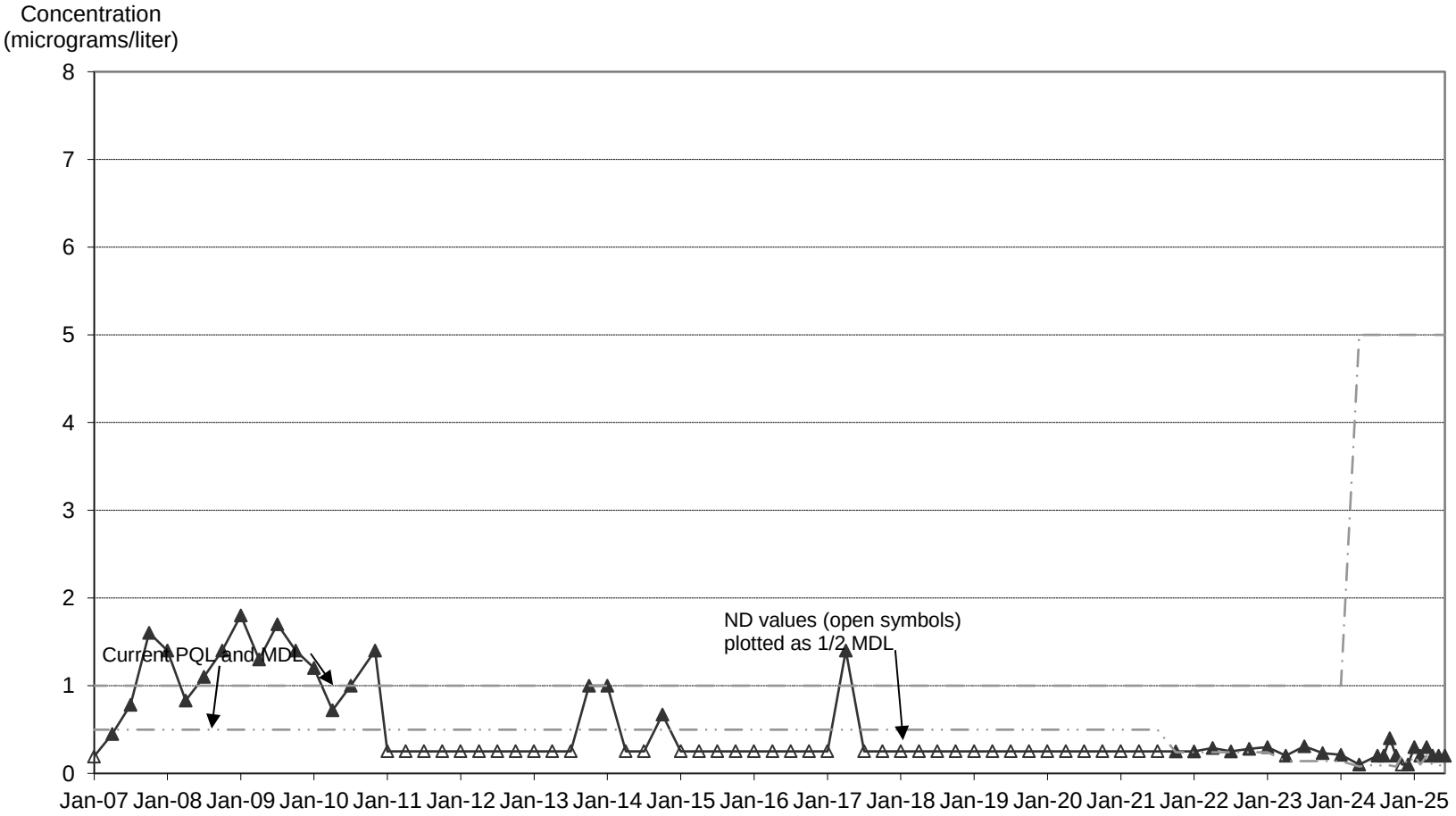


Figure E-9
Trichloroethene (TCE)
Well DW-1
Time Series Plot

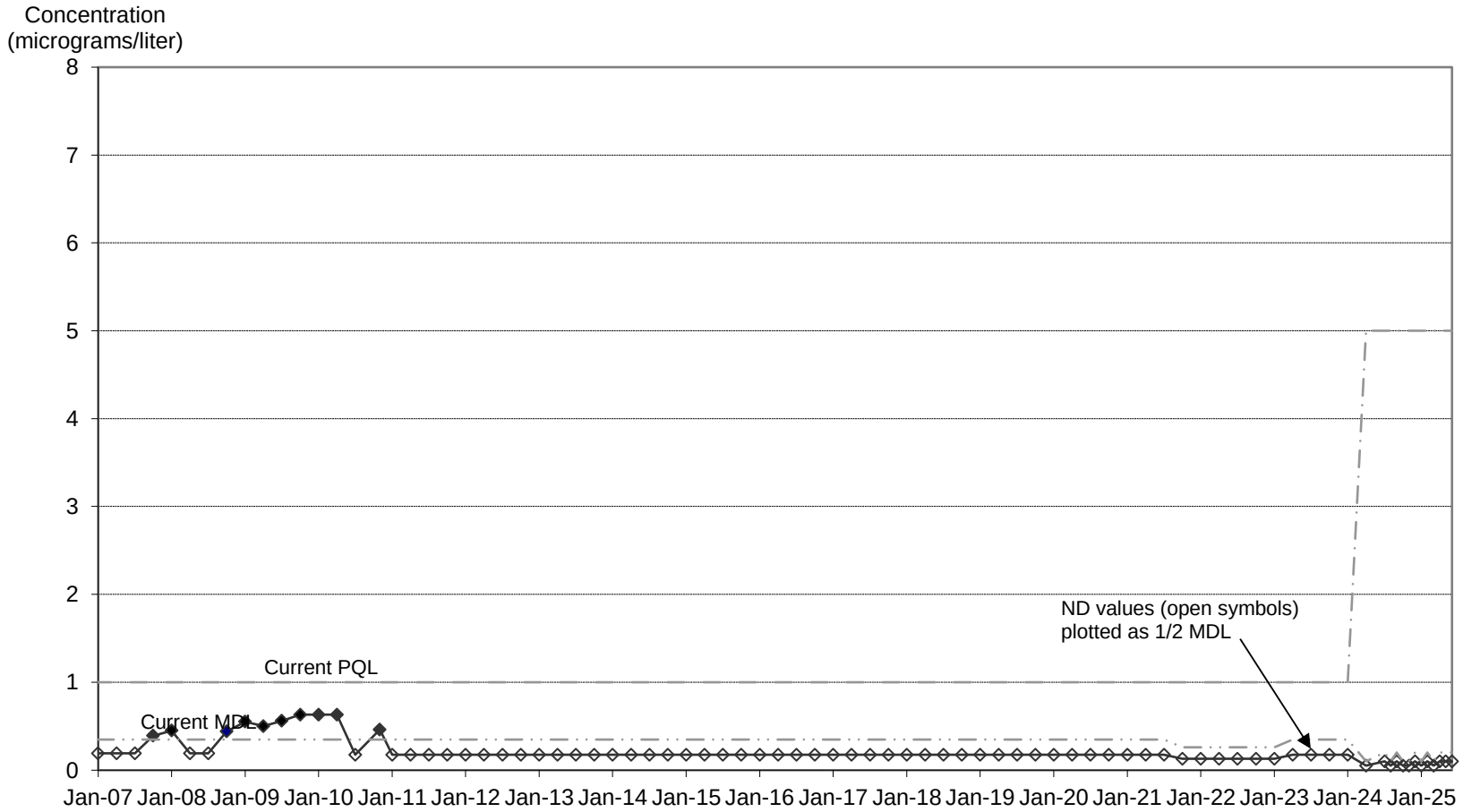


Figure E-10
1,4-Dichlorobenzene
Well DW-1
Time Series Plot

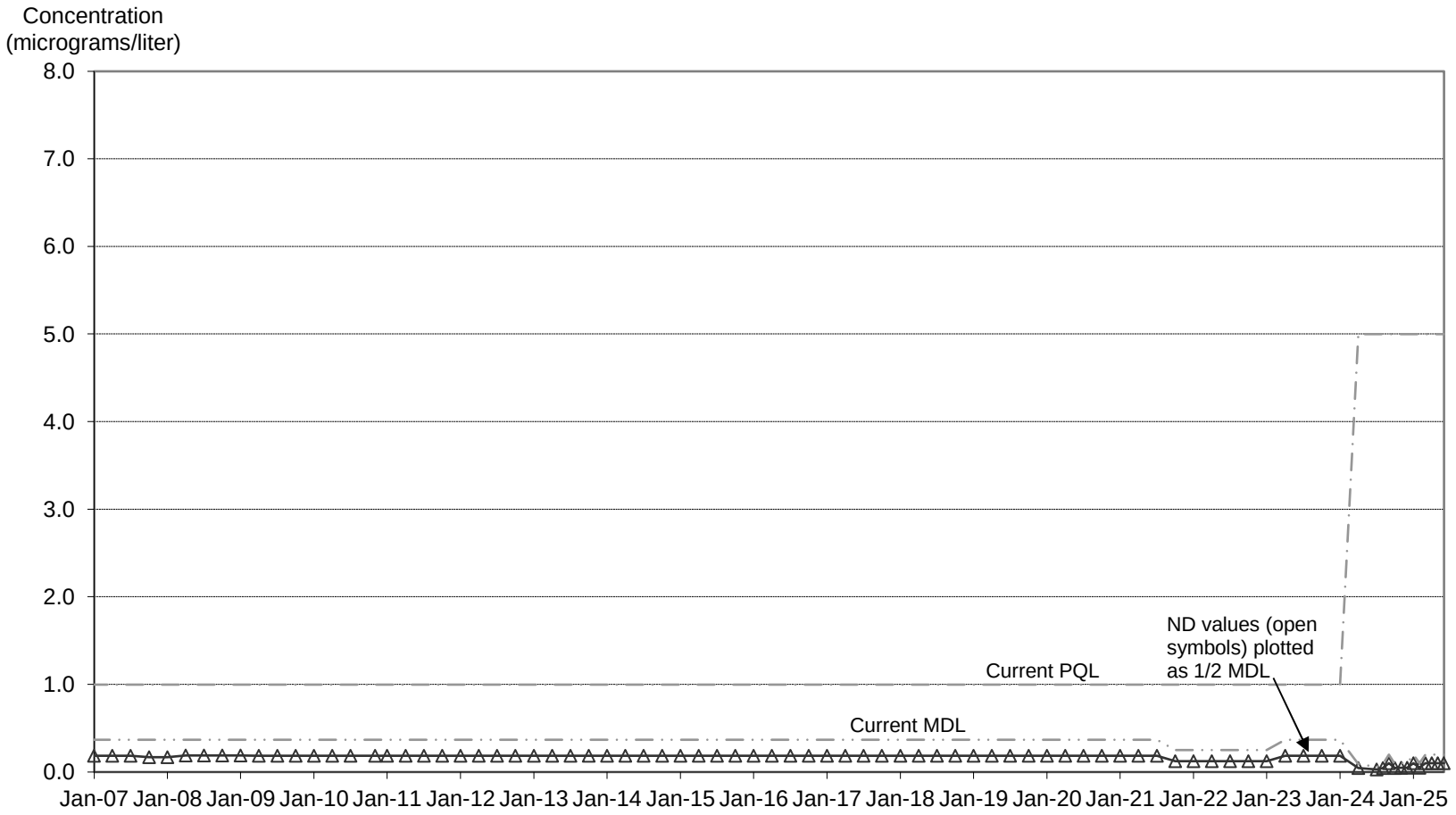


Figure E-11
cis-1,2-Dichloroethene
Well DW-1
Time Series Plot

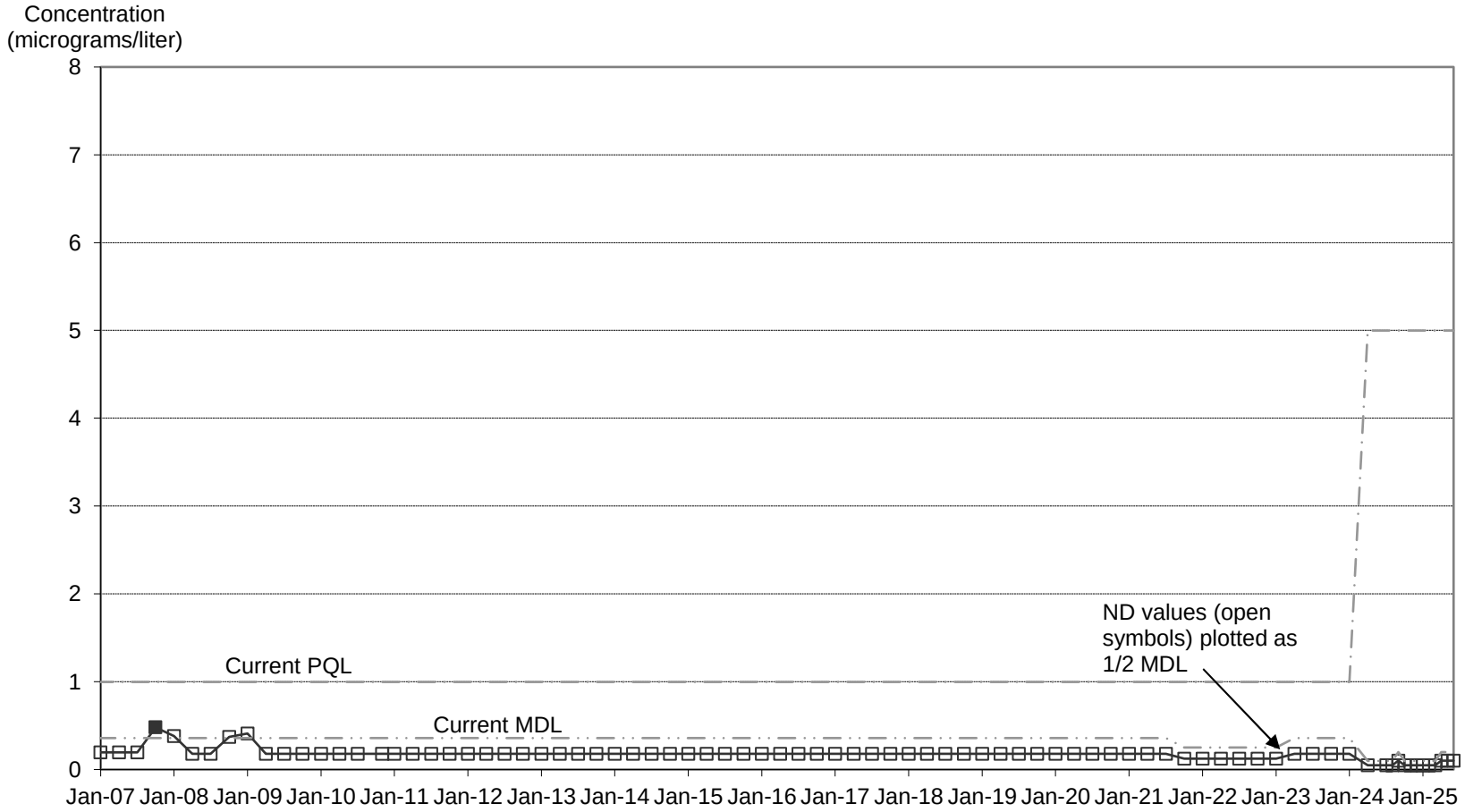


Figure E-12
VOCs Detected
Well DW-3
Time Series Plot

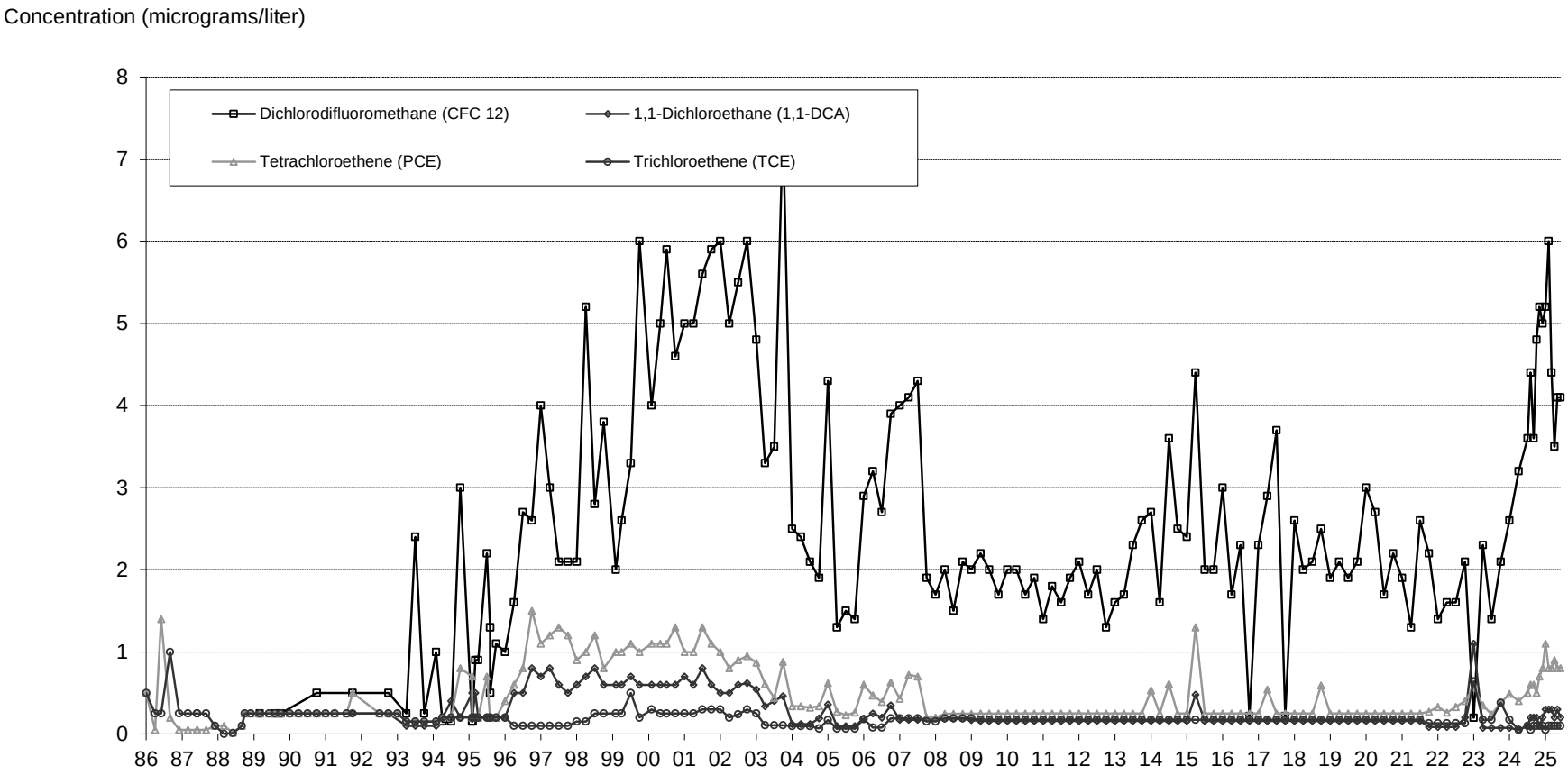


Figure E-13
Dichlorodifluoromethane (CFC 12)
Well DW-3
Time Series Plot

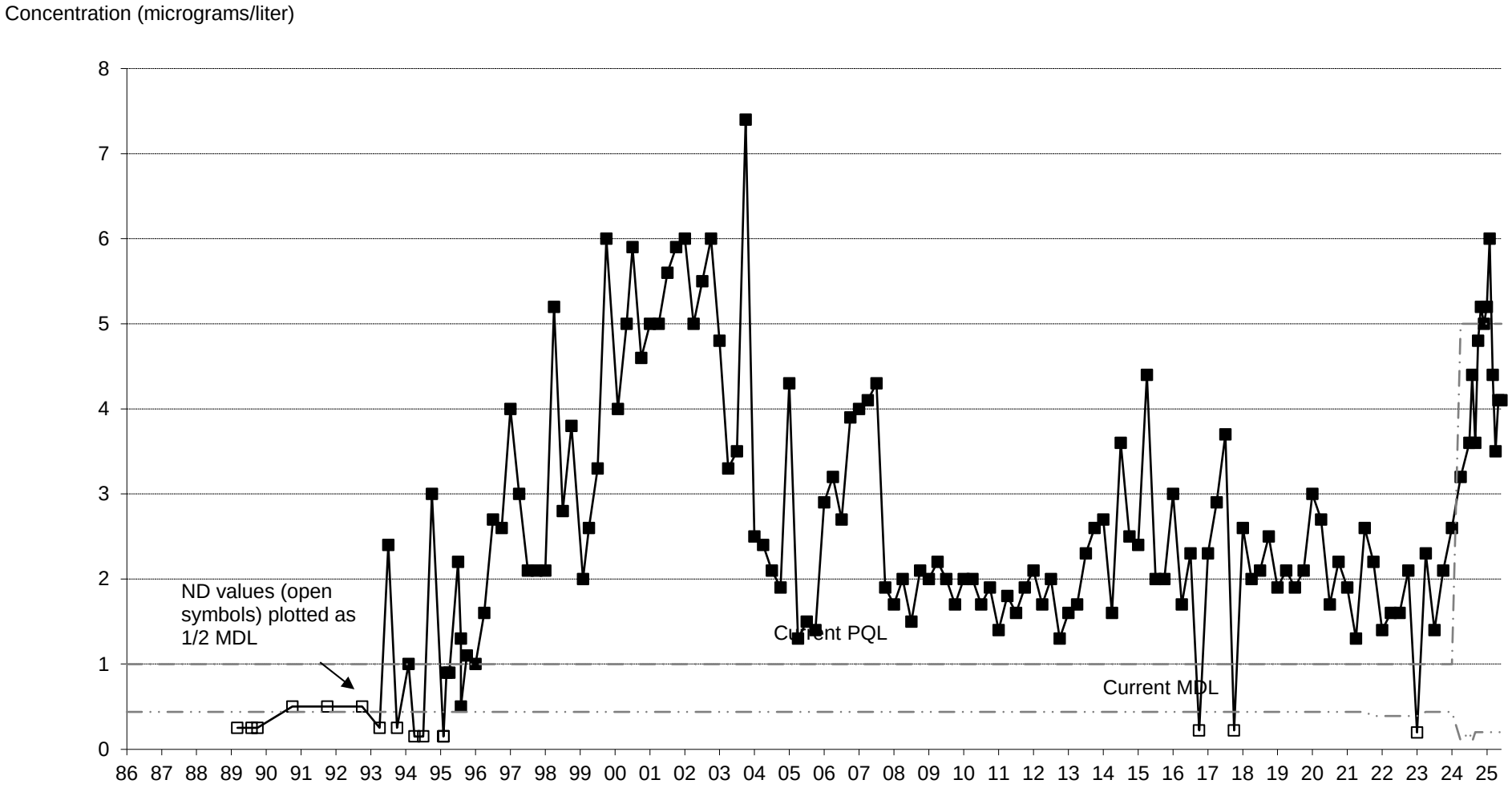


Figure E-14
1,1-Dichloroethane (1,1-DCA)
Well DW-3
Time Series Plot

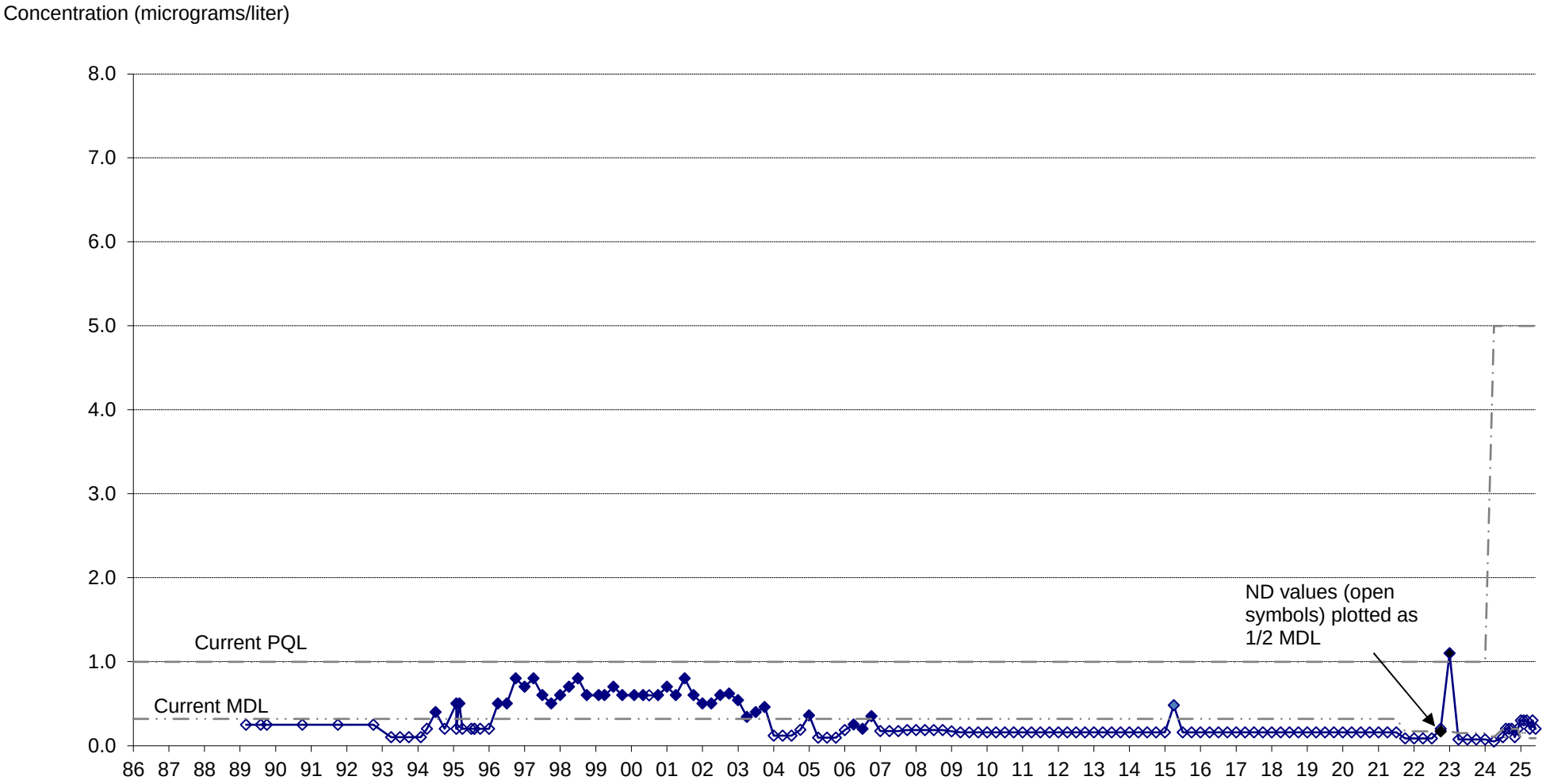


Figure E-15
Tetrachloroethene (PCE)
Well DW-3
Time Series Plot

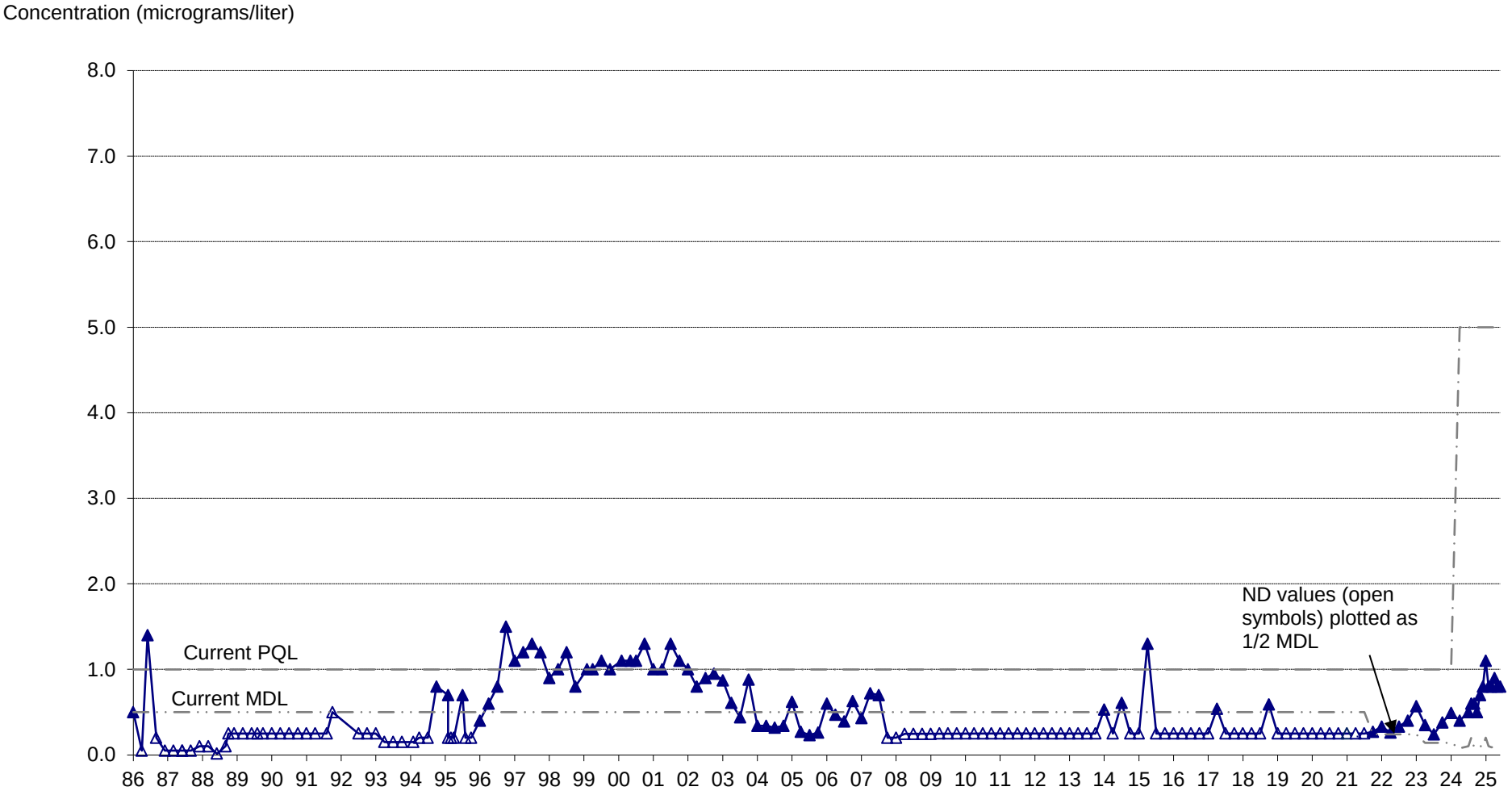
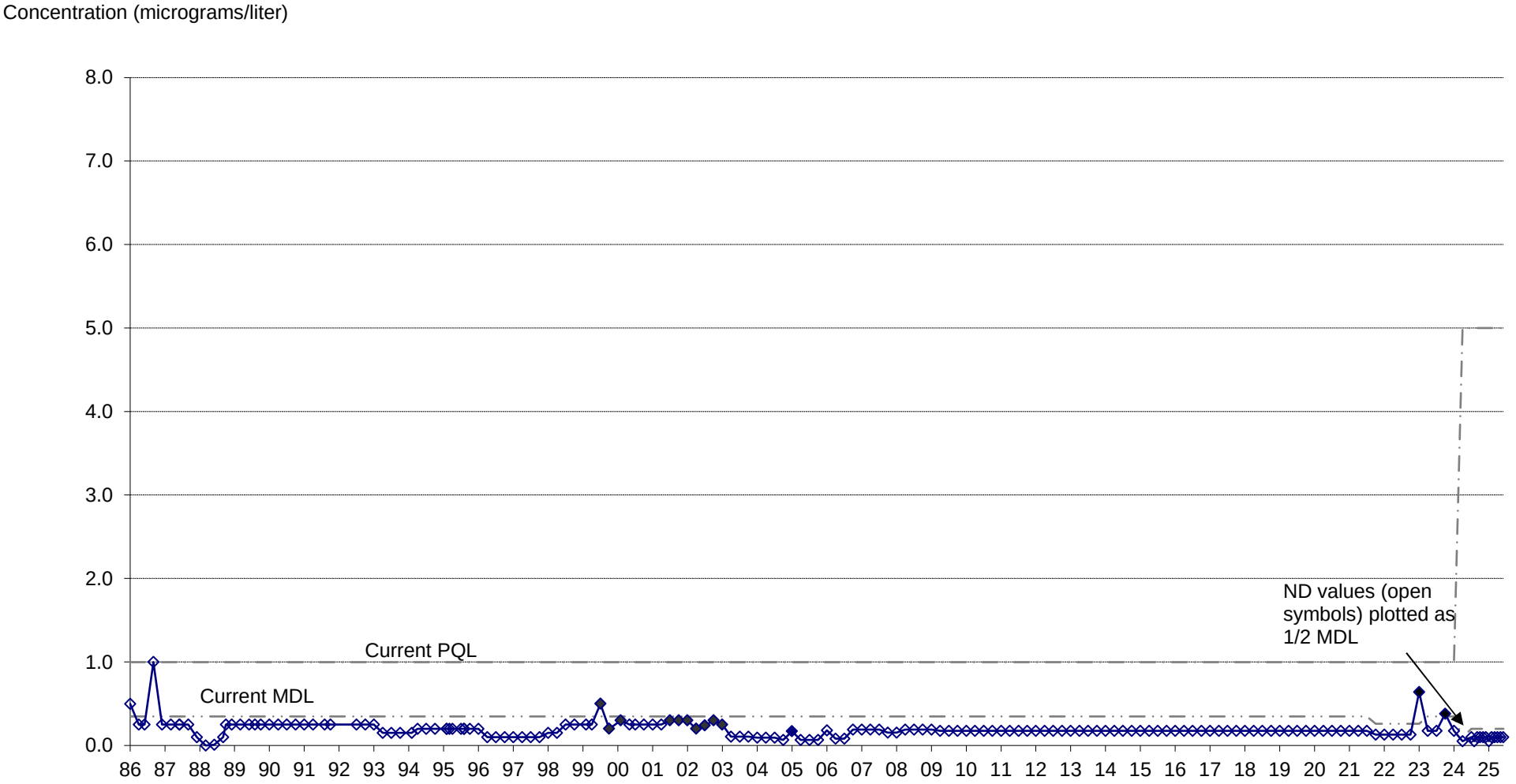


Figure E-16
Trichloroethene (TCE)
Well DW-3
Time Series Plot



APPENDIX F

LANDFILL GAS MONITORING REPORTS

CHIQUITA CANYON
a Waste Connections company

April 15, 2024

Mr. Eric Morofuji
Los Angeles County Department of Public Health
Environmental Health
Solid Waste Management Program
5050 Commerce Drive
Baldwin Park, California 91706-1423

Subject: **First Quarter 2025 Monitoring Report**
Chiquita Canyon Landfill
SWFP No. 19-AA-0052

Dear Mr. Morofuji:

Chiquita Canyon Landfill (CCL) is submitting this quarterly monitoring report to comply with SWFP No. 19-AA-0052, re-issued October 19, 2018. This First Quarter 2025 report includes site capacity data as of the end of March and landfill gas monitoring data for January, February and March 2025.

1. An estimate of the remaining capacity (in cubic yards and tons), and the remaining site life of the existing permitted site in years and months.

As the Local Enforcement Agency is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste.

2. The results of the landfill gas migration control program.

Results of the quarterly landfill gas migration control program are provided as Attachment 1. Only data related to landfill gas migration monitoring data has been enclosed. No landfill gas was detected in any on-site structure. The entire SCAQMD Rule 1150.1 gas monitoring compliance report may be reviewed at CCL.

Please contact me at (661) 257-3655 with any questions regarding this report.

Sincerely,

CHIQUITA CANYON LANDFILL

Steve Cassulo
District Manager

Attachments: Attachment 1 – Landfill Gas Migration Monitoring Data

Attachment 1

Landfill Gas Migration Monitoring Data

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1st Quarter 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
194	Y21	CV24116	2339	1-6-25		1/16/25	346					
194	Y22	CV24204	5960				471					
96	Y23	CV24115	10,000				410					
195	Y24	CV24200	7,562				313					
162	Y25	CV24196	4,117				344					
196	Y26	Gravpipecap	4231				400					
196	Y27	Gravpipecap	2,146				277					
196	Y28	24182	2,860				313					
198	Y29	36gravpipecap	5,780				110					
196	Y30	Gravpipecap	10,000				356					
196	Y31	Gravpipecap	16,000				329					
198	Y32	CV24194	1,905				249					
198	Y33	Gravpipecap	70,000				230					
198	Y34	CV 24103	30,000				430					
198	Y35	unmarked	50,000				419					
212	Y36	H1	650				14.71					
212	Y37	CV24190	3,310				66.90					
212	Y38	CV24102	742				13.20					
215	Y39	H103A	630				22.55					
215	Y40	unmarked	870				310					
214	Y140	H2161W	2,100				420					
214	Y141	H2058W	6,400	↓		↓	400					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR /2025	1st Quarter / 2025	
Technician:	Stephen Bachus	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
214	Y142	H2163W	4,835	1-6-25		1/16/25	310					
214	Y143	CV24227	2,453				333					
196	Y144	Gravpipecap	12,000				401					
197	Y145	Gravpipecap	5,720				481					
197	Y146	Gravpipecap	4,861				466					
197	Y147	Gravpipecap	16,000				422					
219	Y148	CV24113	28,000				456					
191	Y100	NOID	500				19.44					
186	Y101	CV24008	550				28.81					
185	Y102	CHIAPOD	4500				83.41					
185	Y103	FD85L026	4785				193					
206	Y81	CV2442	500				18.62					
170	Y82	CapWell	1000				110					
179	Y61	CV24019	985				146					
175	Y66	CV24139	995	↓		↓	193					

RES

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA CANYON INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 778454S

MONITORING DATE: 1-16-25 TIME: 0830

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.4 ppm	2.5 ppm	1.9 ppm

Background Value = 1.9 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	6
#2	500 ppm	450 ppm	6
#3	503 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

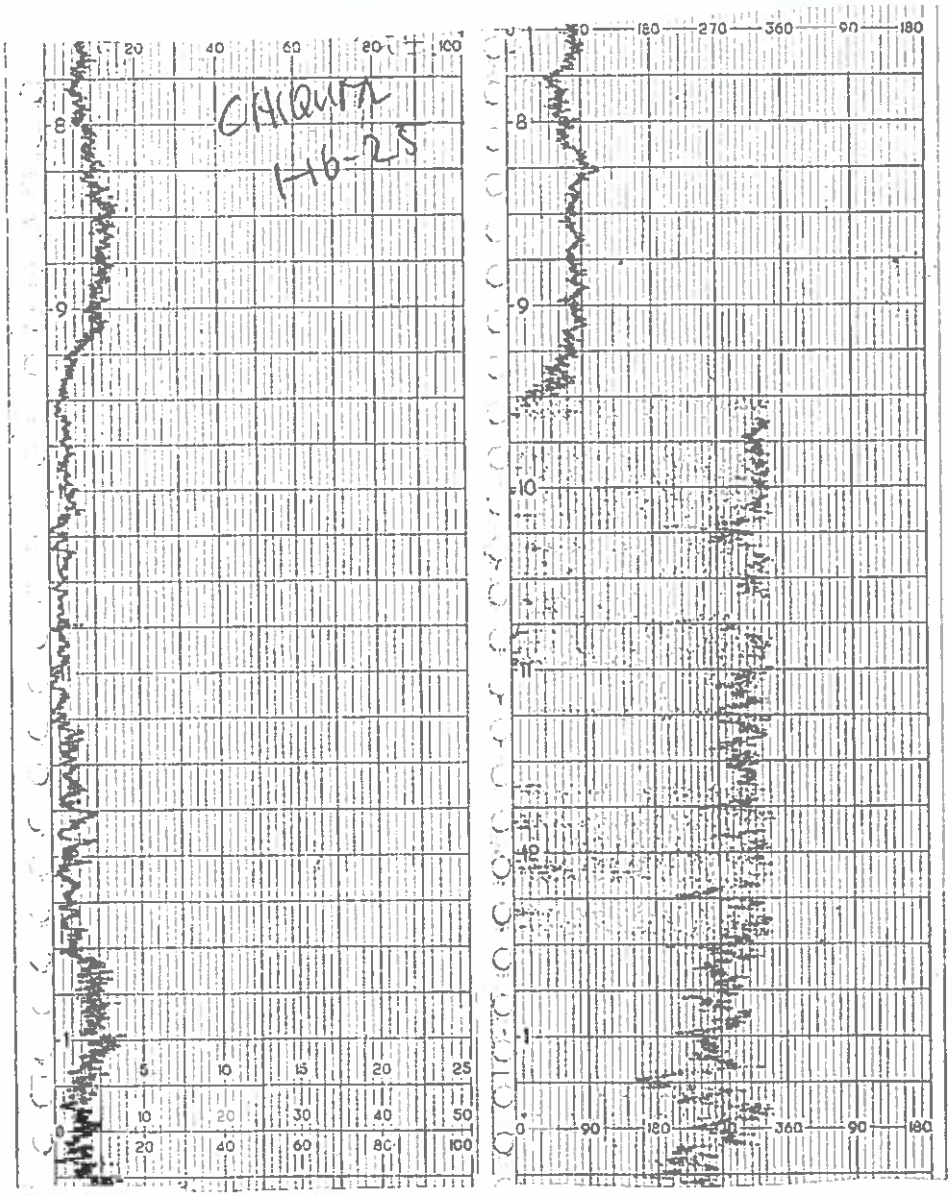
Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.71 ppm	500 ppm	0
#2	0.68 ppm	500 ppm	0
#3	0.49 ppm	503 ppm	1
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.2 #DIV/0! Must be less than 10%

Performed By: D. HERNANDEZ Date/Time: 1-16-25 0830

1-6-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43666998	-118.651554	2025-01-06T16:42:26Z	Y100	500Ppmgrd191wellnoid
2	34.43669303	-118.649705	2025-01-06T17:27:12Z	Y101	550Ppmgrd186wellCv-24008
3	34.43666596	-118.649237	2025-01-06T17:46:18Z	Y102	4500Ppmgrd185wellCHIFp010
4	34.43663302	-118.649232	2025-01-06T17:48:11Z	Y103	4785Ppmgrd185wellTD:85LD:26
5	34.43093902	-118.650221	2025-01-06T19:07:21Z	Y140	2100Ppmgrd214wellh2161w
6	34.43107397	-118.650236	2025-01-06T19:10:34Z	Y141	6400Ppmgrd214wellh2059w
7	34.43104547	-118.6499709	2025-01-07T13:26:10Z	Y142	4835PPM WELLH2163W
8	34.43097599	-118.649783	2025-01-06T19:19:34Z	Y143	2453Ppmgrd214wellcv24227
9	34.43113499	-118.648688	2025-01-06T19:28:42Z	Y144	12000Ppmgrd199wellgreypipewcap
10	34.43127003	-118.647968	2025-01-06T19:32:51Z	Y145	5730Ppmgrd197wellgreypipewcap
11	34.43157303	-118.647592	2025-01-06T19:36:06Z	Y146	4861Ppmgrd197wellgreypipewcap
12	34.431381	-118.647428	2025-01-06T19:40:57Z	Y147	16000Ppmgrd197wellgreypipewcap
13	34.43085101	-118.649764	2025-01-06T19:58:08Z	Y148	28000Ppmgrd219wellcv24113
14	34.43167504	-118.645721	2025-01-06T16:49:29Z	Y21	2339Ppmgrd194wellcv24116
15	34.43144202	-118.646255	2025-01-06T16:53:02Z	Y22	5960Ppmgrd194wellcv24204
16	34.43123398	-118.646794	2025-01-06T17:15:39Z	Y23	10000Ppmgrd162wellcv24196
17	34.43145401	-118.647227	2025-01-06T17:06:10Z	Y24	7562Ppmgrd195wellcv24200
18	34.43207896	-118.647187	2025-01-06T17:11:47Z	Y25	4117Ppmgrd162wellcv24196
19	34.431941	-118.647653	2025-01-06T17:25:02Z	Y26	4231Ppmgrd196wellgreyIpewcap
20	34.431855	-118.6479	2025-01-06T17:28:55Z	Y27	2146Ppmgrd196wellgreypipewcap
21	34.43227996	-118.648061	2025-01-06T17:33:21Z	Y28	2860Ppmgrd196well24182
22	34.432214	-118.648415	2025-01-06T17:36:39Z	Y29	5780Ppmgrd198well3greypipewcap
23	34.43208802	-118.648318	2025-01-06T17:39:28Z	Y30	10000Ppmgrd196wellgreypipewcap
24	34.43177202	-118.648101	2025-01-06T17:43:16Z	Y31	16000Ppmgrd196wellgreypipewcap
25	34.43170899	-118.648488	2025-01-06T17:47:01Z	Y32	4905Ppmgrd198wellcv24194
26	34.43180303	-118.648737	2025-01-06T17:50:26Z	Y33	70000Ppmgrd198wellgreypipewcap
27	34.43166599	-118.648832	2025-01-06T17:53:12Z	Y34	30000Ppmgrd198wellcv24103
28	34.43218097	-118.648794	2025-01-06T17:56:50Z	Y35	50000Ppmgrd198wellunmarked
29	34.432114	-118.649204	2025-01-06T18:03:19Z	Y36	650Ppmgrd212wellh1
30	34.43161201	-118.649509	2025-01-06T18:09:55Z	Y37	3310Ppmgrd212wellcv24190
31	34.43163296	-118.649793	2025-01-06T18:15:02Z	Y38	742Ppmgrd212wellcv24102
32	34.43126198	-118.650682	2025-01-06T19:02:02Z	Y39	630Ppmgrd215wellh103a
33	34.43113097	-118.650583	2025-01-06T19:00:25Z	Y40	870Ppmgrd215wellunknown
34	34.43577304	-118.649773	2025-01-06T16:55:39Z	Y61	Y61PPM985WEIICV24019
35	34.43449899	-118.651128	2025-01-06T17:23:51Z	Y66	Y66PPM995WEIICV24139
36	34.432847	-118.65148	2025-01-06T17:15:02Z	Y81	500Ppmcapwellcv2497
37	34.43378602	-118.649937	2025-01-06T17:54:01Z	Y82	1000Ppmcapwell

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borchert
Instrument:	TVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
64P	Y101	C-28	2,400	1-9-25								
65P	Y102	C-27	1,150									
65P	Y103	C-26	1,284									
48P	Y121	C-10	708									
44P	Y122	C-11	1,120									
64P	Y123	Unmarked	2,000									
65P	Y124	C-15	3,000									
58P	Y125	C25	3,000									
58P	Y126	C-17D	5,000									
72P	Y127	C-22	2,000									
246	Y61	surface	736									
247	Y62	surface	640									
103	Y63	surface	803									
103	Y64	H-2056B	700									
52	Y81	CV05	500									
51	Y82	CV06	700									
92	Y83	CV07	550									
95	Y84	D-6	800									
220	Y21	surface	523									
220	Y22	surface	500									
220	Y23	surface	872									
227	Y24	H-2056W	500	✓								

1-9-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43546098	-118.641407	2025-01-09T16:32:06Z	Y101	2400Ppmgrd64pwellc28
2	34.43617897	-118.640987	2025-01-09T16:38:18Z	Y102	1150Ppmgrd65pwellc27
3	34.436615	-118.641276	2025-01-09T16:43:48Z	Y103	1284Ppmgrd65pwellc26
4	34.43472899	-118.641197	2025-01-09T16:25:40Z	Y121	708PPMGRD48PWELLC10
5	34.43527699	-118.641308	2025-01-09T16:31:50Z	Y122	PPM1000GRD44PWELLC11
6	34.43596599	-118.640883	2025-01-09T16:38:22Z	Y123	PPM2000GRD64PWELLC27
7	34.43625801	-118.641058	2025-01-09T16:43:44Z	Y124	PPM3000GRD65PWELLC15
8	34.437104	-118.641669	2025-01-09T16:50:04Z	Y125	PPM3000GRD58PWELLC25
9	34.43735604	-118.641925	2025-01-09T16:54:17Z	Y126	PPM5000GRD58PWELLC17B
10	34.43818099	-118.642853	2025-01-09T17:00:56Z	Y127	PPM2000GRD72PWELLC22
11	34.430331	-118.650643	2025-01-09T16:17:43Z	Y21	523Ppmgrd220surface
12	34.43029898	-118.650659	2025-01-09T16:19:09Z	Y22	500Ppmgrd220surface
13	34.43021198	-118.650695	2025-01-09T16:20:23Z	Y23	872Ppmgrd220surface
14	34.429928	-118.650914	2025-01-09T16:27:16Z	Y24	500Ppmgrd227wellH-2056w
15	34.42972901	-118.650978	2025-01-09T16:30:56Z	Y25	3728Ppmgrd227surface
16	34.429683	-118.651043	2025-01-09T16:32:40Z	Y26	500Ppmgrd227surface
17	34.429598	-118.651137	2025-01-09T16:35:43Z	Y27	600Ppmgrd227surface
18	34.42951997	-118.650968	2025-01-09T16:40:56Z	Y28	523Ppmgrd227wellHC2401w
19	34.43017703	-118.648207	2025-01-09T16:57:58Z	Y29	541Ppmgrd221surface
20	34.42838598	-118.649737	2025-01-09T17:38:54Z	Y30	975Ppmgrd240surface
21	34.42845999	-118.649621	2025-01-09T17:41:22Z	Y31	2732Ppmgrd240surface
22	34.42792003	-118.648969	2025-01-09T17:50:22Z	Y32	700Ppmgrd239wellNoID
23	34.42733204	-118.650049	2025-01-09T17:20:16Z	Y61	Ppm736grd246surface
24	34.42739499	-118.649368	2025-01-09T17:35:12Z	Y62	Ppm640grd247surface
25	34.42969398	-118.646973	2025-01-09T18:40:36Z	Y63	Ppm803grd103surface
26	34.429698	-118.647476	2025-01-09T18:48:10Z	Y64	Ppm780grd103wellh-20568
27	34.43284297	-118.642209	2025-01-09T17:16:02Z	Y81	500Ppmwellcv05
28	34.43268204	-118.642842	2025-01-09T17:21:22Z	Y82	700Ppmwellcv06
29	34.43203202	-118.643946	2025-01-09T17:33:07Z	Y83	550Ppmwellcv07
30	34.43010502	-118.645433	2025-01-09T17:49:04Z	Y84	800Ppmwelld6

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1st Quarter 2025
Technician	Stephen Garches	D Hernandez
Instrument:	TVA1000	TVA 1000
Calibration Standard:	25 ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd >25 ppm
166	28.19	1-16-25		1/25/25	22.1					
81	38.59				14.6					
178	30.16				13					
174	79.61				24.3					
168	37.1				23.8					
165	38.62				20.0					
160	27.39				9.1					
163	28.29				11.3					
164	36.17				24.3					
209	37.61				21.9					
210	31.72				17.6					
195	27.34				23.7					
197	30.20				18.8					
199	25.20				21.6					
96	26.7				16.9					
99	31.6				19.8					
216	25.5				16.42					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 41 SERIAL #: 1024422587

MONITORING DATE: 1-25-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.8 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
3.2 ppm	4.1 ppm	3.6 ppm

Background Value = 3.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.5 ppm	22.5 ppm	6
#2	24.5 ppm	22.5 ppm	5
#3	24.8 ppm	22.5 ppm	6
Calculate Response Time (1+2+3)/3			5.6 #DIV/0! Must be less than 30 seconds

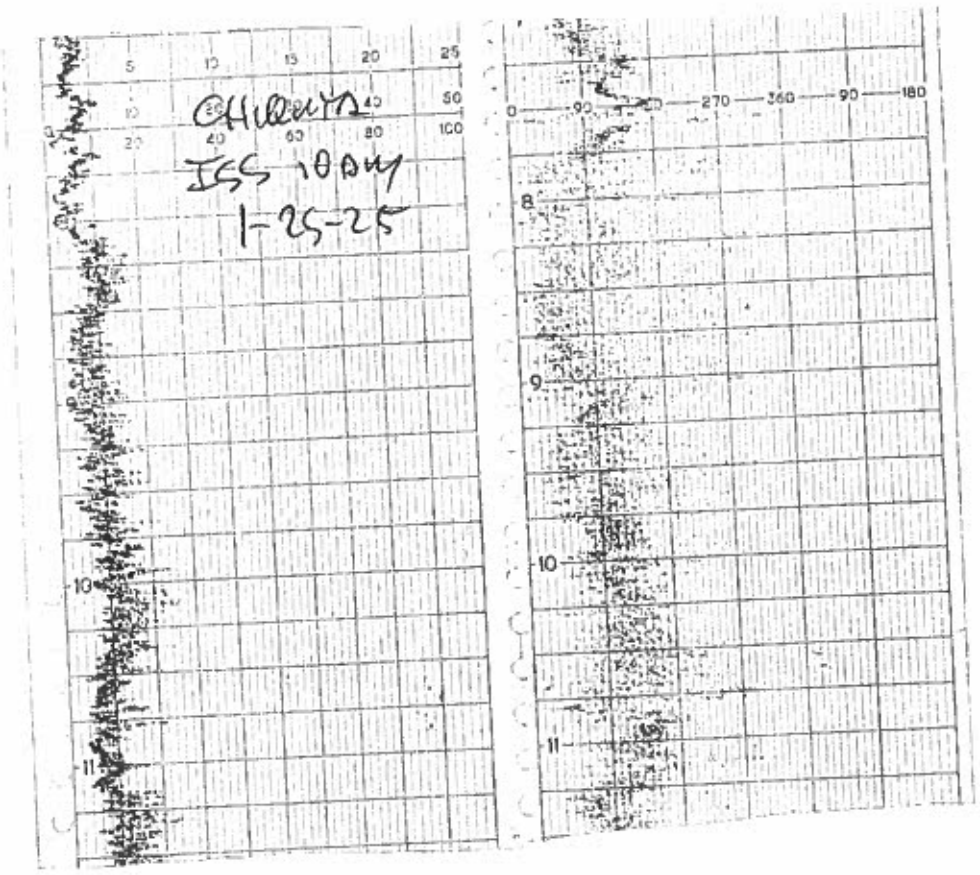
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.8 ppm	24.5 ppm	0.5
#2	0.8 ppm	24.5 ppm	0.5
#3	0.8 ppm	24.8 ppm	0.2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.6% #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 1-25-25/0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025
Technician	Stephen Burchers
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
71	49.30	1-17-25								
40	30.25									
45	80.40									
33	47.1									
93	28.43									
221	30.40									
224	30.41									
92	52.7									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1st Quarter 2025
Technician	Stephen Burchers	D Hernandez
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
71	49.30	1-17-25		1/25/25	23.6					
40	30.25				16.7					
45	80.40				19.3					
33	47.1				16.7					
93	28.43				20.7					
221	30.40				18.9					
224	30.41				21.4					
92	52.7				22.8					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 41 SERIAL #: 1024422587

MONITORING DATE: 1-25-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.8 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
3.2 ppm	4.1 ppm	3.6 ppm

Background Value = 3.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.5 ppm	22.5 ppm	6
#2	24.5 ppm	22.5 ppm	5
#3	24.8 ppm	22.5 ppm	6
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

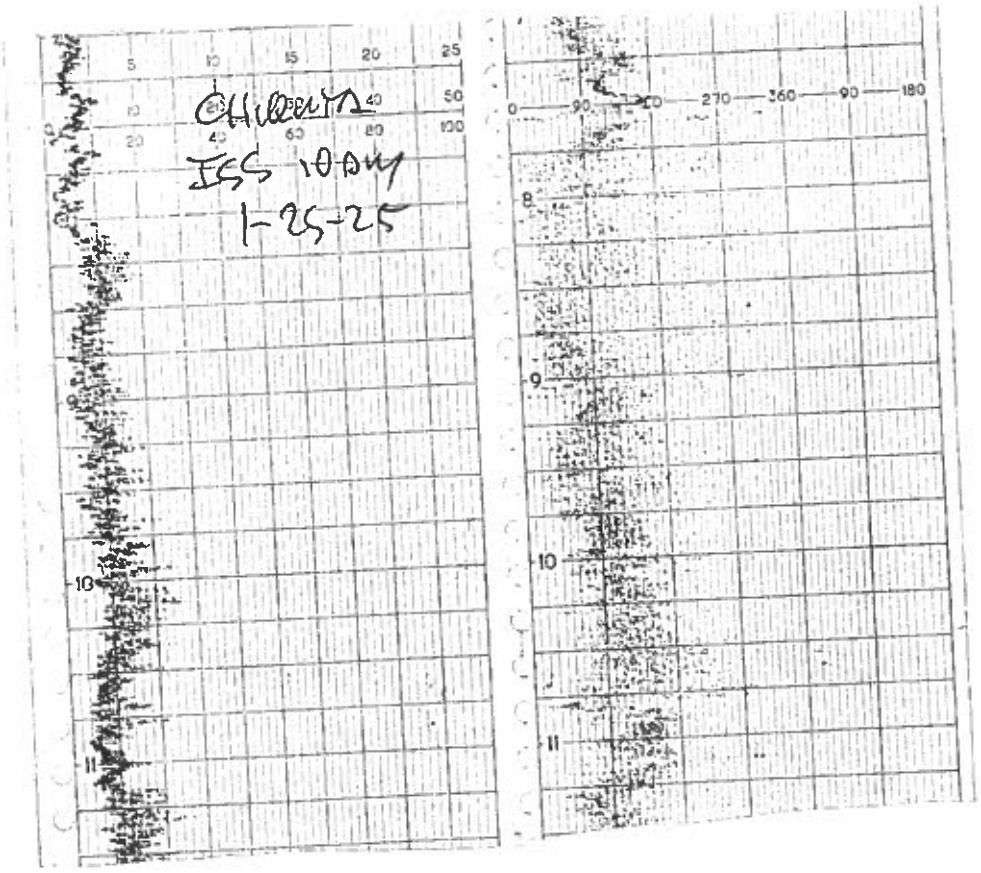
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.8 ppm	24.5 ppm	0.5
#2	0.8 ppm	24.5 ppm	0.5
#3	0.8 ppm	24.8 ppm	0.2
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1		1.6% #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 1-25-25/0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borchers
Instrument	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
237	25.35	1-18-25								
230	63.8									
229	37.9									
244	30.26									
214	209									
215	200									
220	103									
219	85	✓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year	1ST QTR/2025	1st Quarter 2025
Technician:	Stephen Borchers	D Hernandez
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
237	25.35	1-18-25		1/25/25	9.5					
230	63.8				20.3					
229	37.9				17.6					
244	30.26				13.8					
214	209				17.2					
215	200				18.9					
220	103				16.5					
219	85	✓			22.9					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 41 SERIAL #: 1024422587

MONITORING DATE: 1-25-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.8 ppm
3. Adjust meter settings to read 25 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
3.2 ppm	4.1 ppm	3.6 ppm

Background Value = 3.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.5 ppm	22.5 ppm	6
#2	24.5 ppm	22.5 ppm	5
#3	24.8 ppm	22.5 ppm	6
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

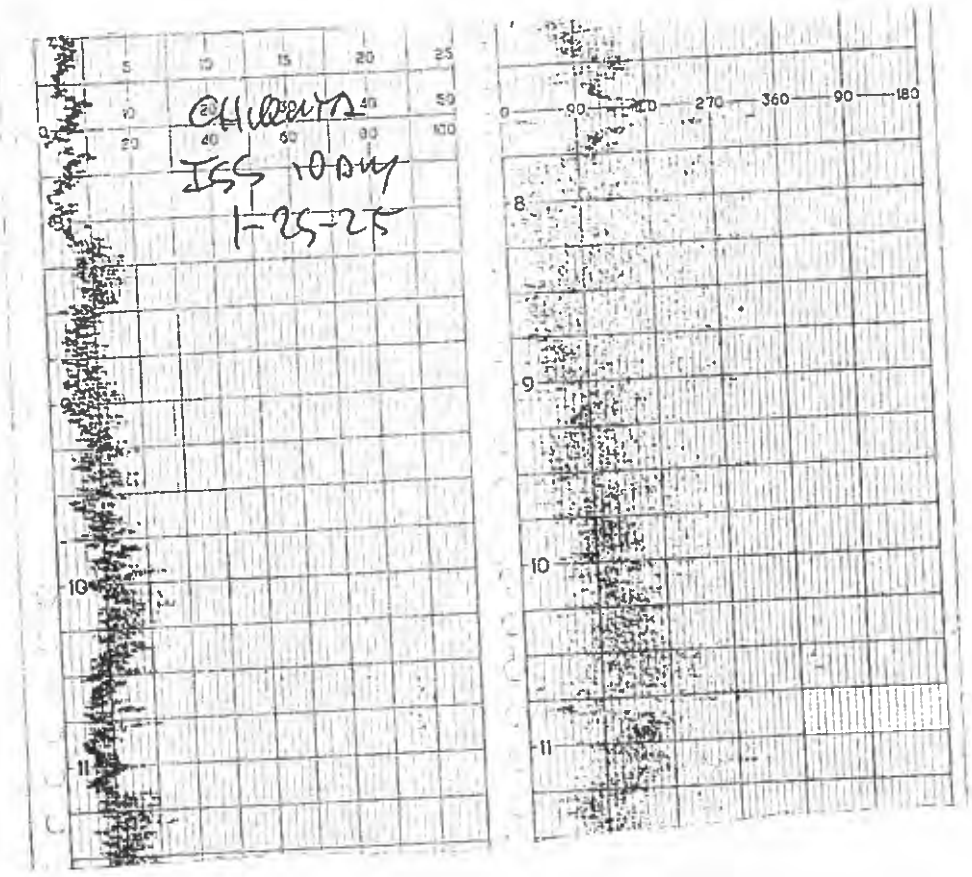
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.8 ppm	24.5 ppm	0.5
#2	0.8 ppm	24.5 ppm	0.5
#3	0.8 ppm	24.8 ppm	0.2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.6% #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 1-25-25/0700

WIND SPEED & DIRECTION CHART ROLL



Sunshine Canyon
Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Alberto Lopez
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 3 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
159	Y21	CV 24164	1000	1-24-25								
149	Y22	TD120DL95	3000									
159	Y23	CV 2484	1500									
184	Y24	CV 2811	1400									
184	Y25	145 TD6 FLD92	1200									
165	Y1	CV 24080	1159									
160	Y2	CV 24088	5771									
83	Y3	CV 24160	1002									
83	Y4	CHH 19545	558									
155	Y5	CV 24159	699									
83	Y6	CV 24093	580									
181	Y7	CV 2351	739									
179	Y8	CV 2303	9610									
167	Y42	CV 24062	947									
171	Y43	24071	556									
176	Y44	CV 2402	769									
150	Y45	2422	1427									
150	Y46	CV 24029	1843									
177	Y64	24019	989									

1-24-25 Chiquita Canyon Landfill Exceedances

ID	lat	lon	ete	time	name	cmt	Grid #
1	34.433159977197647	-118.64884	421.196777	2025-01-24T15:39:04Z	Y1	Ppm1159wellCV24080	165
2	34.433631962165236	-118.647659	420.515625	2025-01-24T15:57:01Z	Y2	Ppm5771wellCV24088	160
3	34.433533977717161	-118.647948	422.51238999999998	2025-01-24T15:41:14Z	Y21	Ppm1000wellcv24164	159
4	34.434283990412951	-118.646062	427.74691799999999	2025-01-24T15:53:37Z	Y22	Ppm3000welltd120dl75	149
5	34.433857016265392	-118.648025	420.982147	2025-01-24T16:15:07Z	Y23	Ppm1500wellcv2484	159
6	34.436319032683969	-118.649894	420.43164100000001	2025-01-24T17:09:21Z	Y24	Ppm1400wellcv2311	184
7	34.436251977458596	-118.649653	419.84381100000002	2025-01-24T17:12:40Z	Y25	Ppm1200well145td69ld48	184
8	34.431241024285555	-118.65067	375.03784200000001	2025-01-24T18:44:36Z	Y26	Ppm1000wellh103a	215
9	34.431088976562023	-118.650594	370.269836	2025-01-24T18:48:37Z	Y27	Ppm1000Wellh1401w	215
10	34.433817034587264	-118.646235	423.79070999999999	2025-01-24T16:16:06Z	Y3	Ppm1002wellCV24160	83
11	34.433867996558547	-118.646328	423.74404900000002	2025-01-24T16:19:05Z	Y4	Ppm558wellCHH1954S	83
12	34.433272965252399	-118.649361	414.71194500000001	2025-01-24T15:50:08Z	Y42	947Ppm well CV24068	167
13	34.43406798876822	-118.64849	410.16787699999998	2025-01-24T16:04:50Z	Y43	556Ppm well 24071	171
14	34.436695966869593	-118.649705	416.24215700000002	2025-01-24T17:30:51Z	Y44	769Ppm well cv2408	186
15	34.436503015458584	-118.648827	415.59835800000002	2025-01-24T18:01:58Z	Y45	1427 Ppm well 2422	150
16	34.436361026018858	-118.648501	410.895691	2025-01-24T18:07:41Z	Y46	1843 Ppm well cv24028	150
17	34.433816028758883	-118.646566	422.34445199999999	2025-01-24T16:23:09Z	Y5	Ppm699wellCV24159	155
18	34.434079974889755	-118.646354	426.73919699999999	2025-01-24T16:26:12Z	Y6	Ppm580wellCV24093	83
19	34.435821985825896	-118.649779	426.49661300000002	2025-01-24T17:19:24Z	Y64	PPM 989 Well CV24019	177
20	34.435154031962156	-118.651154	389.29513500000002	2025-01-24T17:04:54Z	Y7	Ppm739well2351	181
21	34.435414960607886	-118.649664	404.784088	2025-01-24T17:16:40Z	Y8	Ppm9610wellCV2303	179

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Barchet
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
88	57.09	1-24-25								
162	52.36									
146	34.28									
215	84.5									
213	28.41									
144	70.19									
197	27.19									
194	45.20									
96	50.30									
216	34.40									
217	47.9									
218	28.18									
221	78.36									
222	80.10									
223	34.28									
224	41.17									
226	38.61									
227	35.75									
228	102									
244	59.79									
243	78.27									
242	69.11	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025
Technician:	Stephen Burchett
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
241	67.62	1-24-25								
240	65.5									
239	95.7									
238	34.9									
237	57.3									
250	50.40									
245	47.55									
246	26.73									
247	39.14									
248	41.15									
30	36.9									
84	37.6									
55	28.0									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR 2025	1st QTR 2025	
Technician:	Alberto Lopez	Jerry Munoz	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
159	Y21	CV24164	1000	1-24-25		2-21-25	325					
149	Y22	MW00515	3000				220					
159	Y23	CV24184	1500				480					
184	Y24	CV2811	1400				410					
184	Y25	MW00496	1200				380					
165	Y1	CV24080	1159				310					
160	Y2	CV24088	5771				292					
83	Y3	CV24160	1002				435					
83	Y4	CMW19545	558				410					
155	Y5	CV24159	699				410					
83	Y6	CV24093	580				220					
181	Y7	CV2351	739				410					
179	Y8	CV2303	9610				370					
167	Y42	CV24068	947				480					
171	Y43	24071	556				380					
186	Y44	CV2402	769				270					
150	Y45	2422	1427				490					
150	Y46	CV24028	1843				395					
177	Y41	24019	989				390					
215	Y26	MW03A	1000				400					
215	Y27	MW01W	1000				485					

RES
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CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA-1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 2-21-25 TIME: 0830

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.1 ppm	6.5 ppm	4.3 ppm

Background Value = 4.3 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	7
#2	503 ppm	450 ppm	6
#3	499 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6.3 #DIV/0! Must be less than 30 seconds

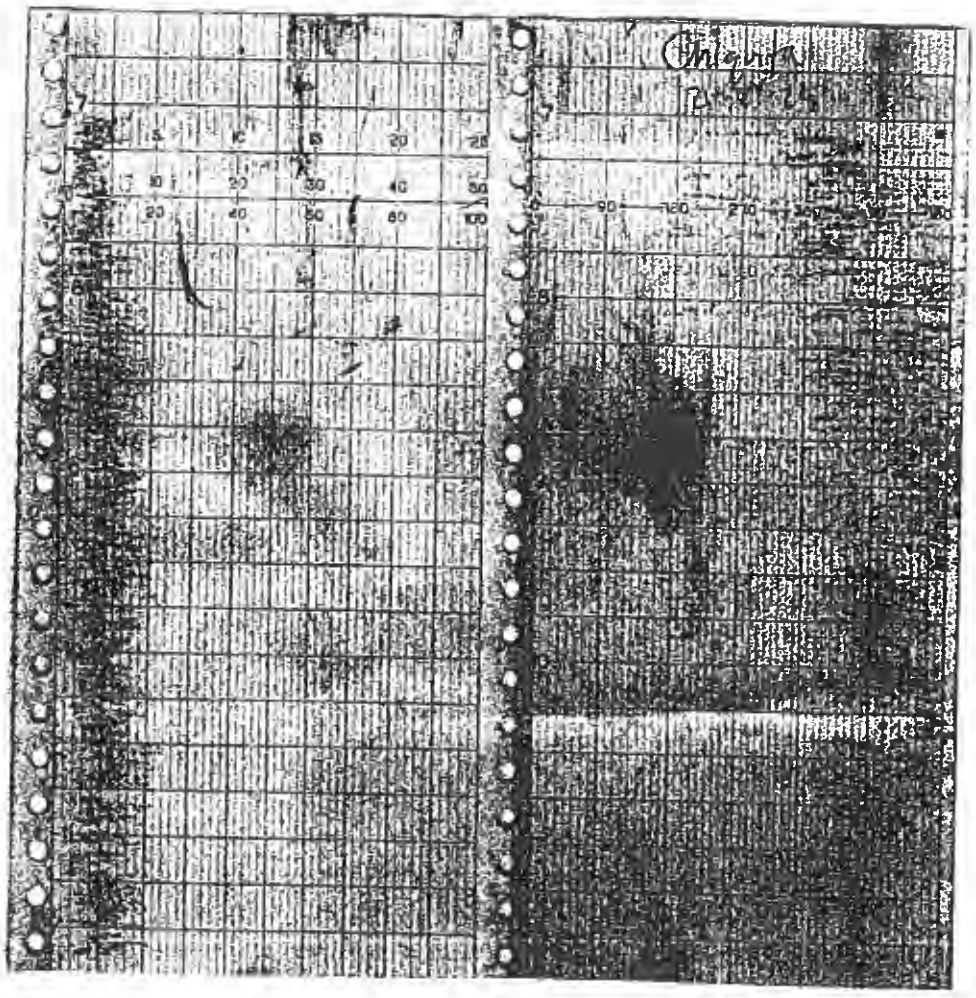
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.9 ppm	500 ppm	0
#2	0.9 ppm	503 ppm	3
#3	0.0 ppm	499 ppm	1
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.2% #DIV/0! Must be less than 10%

Performed By: J. Munoz Date/Time: 2-21-25 0830

WIND SPEED & DIRECTION CHART ROLL



Sunshine Canyon
Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025
Technician:	Alberto Lopez
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 3 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
218	Y41	Surface	506	1-29-25								
99	Y42	[illegible] well	6425									
194	Y43	CV24116	663									
159	Y44	CV2184	4834									
159	Y45	Surface	924									
89	Y61	27745	1280									
150	Y46	CV24112	509									
156	Y47	RAMSPOT	551									
172	Y62	24021	1082									

1-29-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43090298	-118.647638	2025-01-29T16:17:58Z	Y41	Ppm506 surface
2	34.430805	-118.647221	2025-01-29T16:26:19Z	Y42	Ppm6429 unmarked
3	34.43162802	-118.645756	2025-01-29T16:43:18Z	Y43	Ppm663 cv24116
4	34.43387303	-118.648052	2025-01-29T17:36:39Z	Y44	Ppm4834 cv2484
5	34.43400102	-118.648016	2025-01-29T17:40:02Z	Y45	Ppm924 surface
6	34.43636798	-118.648488	2025-01-29T18:32:11Z	Y46	Ppm508 cv24028
7	34.43553197	-118.648874	2025-01-29T18:42:56Z	Y47	Ppm551 ramspo2
8	34.43258196	-118.646699	2025-01-29T17:54:37Z	Y61	Ppm1280grd178Well24021
9	34.43616103	-118.649051	2025-01-29T18:35:06Z	Y62	Ppm1082grd178well24021

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025	1st Quarter 2025	
Technician:	Alberto Lopez	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
216	Y41	Surface	506	1-29-25		2/28/25	312					
99	Y42	unmarked well	6429	↓		↓	409					
194	Y43	CV24116	663				210					
159	Y44	CV2484	4834				464					
159	Y45	Surface	924				145					
89	Y61	27743	1280				330					
150	Y46	CV24028	508				94.7					
156	Y47	ramirez	551				63.1					
178	Y62	24021	1087	↓		↓	131					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chicota INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723626

MONITORING DATE: 2-28-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.16 ppm	8.19 ppm	6.6 ppm

Background Value = 6.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	504 ppm	450 ppm	6
#2	503 ppm	450 ppm	6
#3	499 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			6.3 #DIV/0! Must be less than 30 seconds

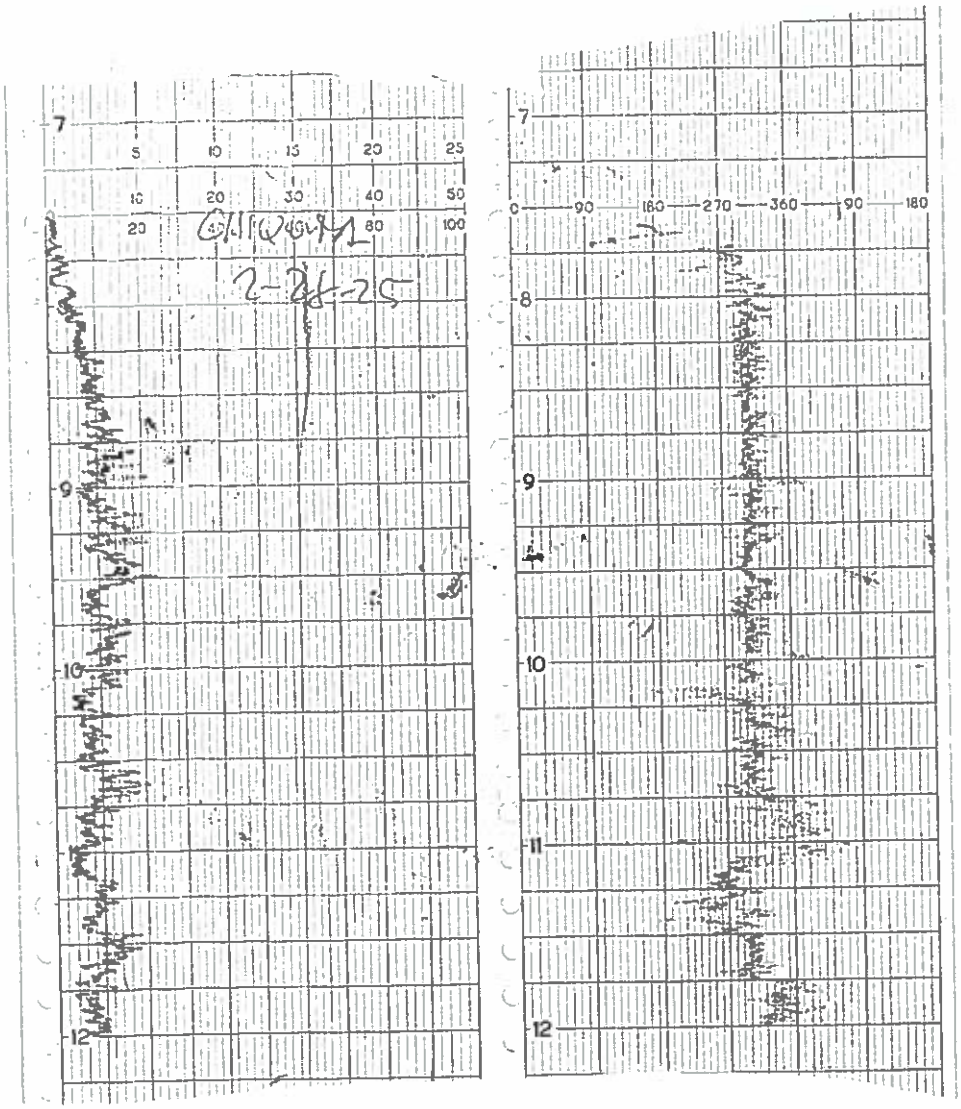
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.2 ppm	509 ppm	4
#2	0.2 ppm	503 ppm	3
#3	0.4 ppm	499 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.5% #DIV/0! Must be less than 10%

Performed By: D. Hammer Date/Time: 2-28-25 0800

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
79	28.22	1-30-25								
76	27.57									
154	43.46									
82	36.16									
83	44.99									
155	53.40									
165	49.12									
90	34.67									
89	45.33									
212	26.30									
196	43.09									
215	99.46									
214	50.45									
162	58.09									
88	47.19									
194	99.40									
195	41.42									
197	66.99									
94	42.39									

Re-Monitoring

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 1-30-25 Weather Conditions Clear

Technician Richard Johns Temp 67° F

GEM Model 5000 Wind Speed (MPH) & Direction 4 SW

Serial # GS00530 Barometric Pressure 29.57 in Hg

Probe Number	Time	Date	CH4% (%LEL)	CO2%	O2%	Ba %L	Evac Pumps	Pressure (+in w.c.)	Comments
GP-12 - 12							4		
38							26		
74							50		
110							75		
224							171		
GP-13 - 10							6		First 10 clear
29	0933	1-30-25	0.3	22.6	5.3	71.9	19	-.26	Recheck for
58	0936		28.9	29.2	0.2	41.7	39	-1.0	1-20-25
87	0938		26.1	12.6	1.0	60.3	59	-.84	Monitoring
173	0941		0.0	0.1	20.5	79.4	109	-1.57	
GP-14 - 10							6		
23							15		
44							30		
67							45		
134							92		

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

GEM 5000 CALIBRATION

TECHNICIAN: ROBERT JOHNS

CALIBRATION DATE: 1/30/2025

SITE: CHIQUITA CANYON LANDFILL

TIME: 5:00AM

GEM 5000 SERIAL #: G500530

		UNCORRECTED READING	CORRECTED READING
CH_4	15%	15%	15%
CO_2	15%	15%	15%
O_2	4%	4%	4%

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Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025
Technician	Stephen Burchett
Instrument	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
B2	152	2-3-25								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year	1ST QTR/2025	1st Quarter 2025
Technician	Stephen Borchers	D Hernandez
Instrument	TVA1000	TVA 1000
Calibration Standard:	25ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event - 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
82	152	2-3-25		2/17/25	16,3					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #1 SERIAL #: 16320832

MONITORING DATE: 2-12-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.9 ppm	7.2 ppm	6.5 ppm

Background Value = 6.5 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.2 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	6
#3	24.5 ppm	20 ppm	6
Calculate Response Time (1+2+3)/3			6.0 #DIV/0! Must be less than 30 seconds

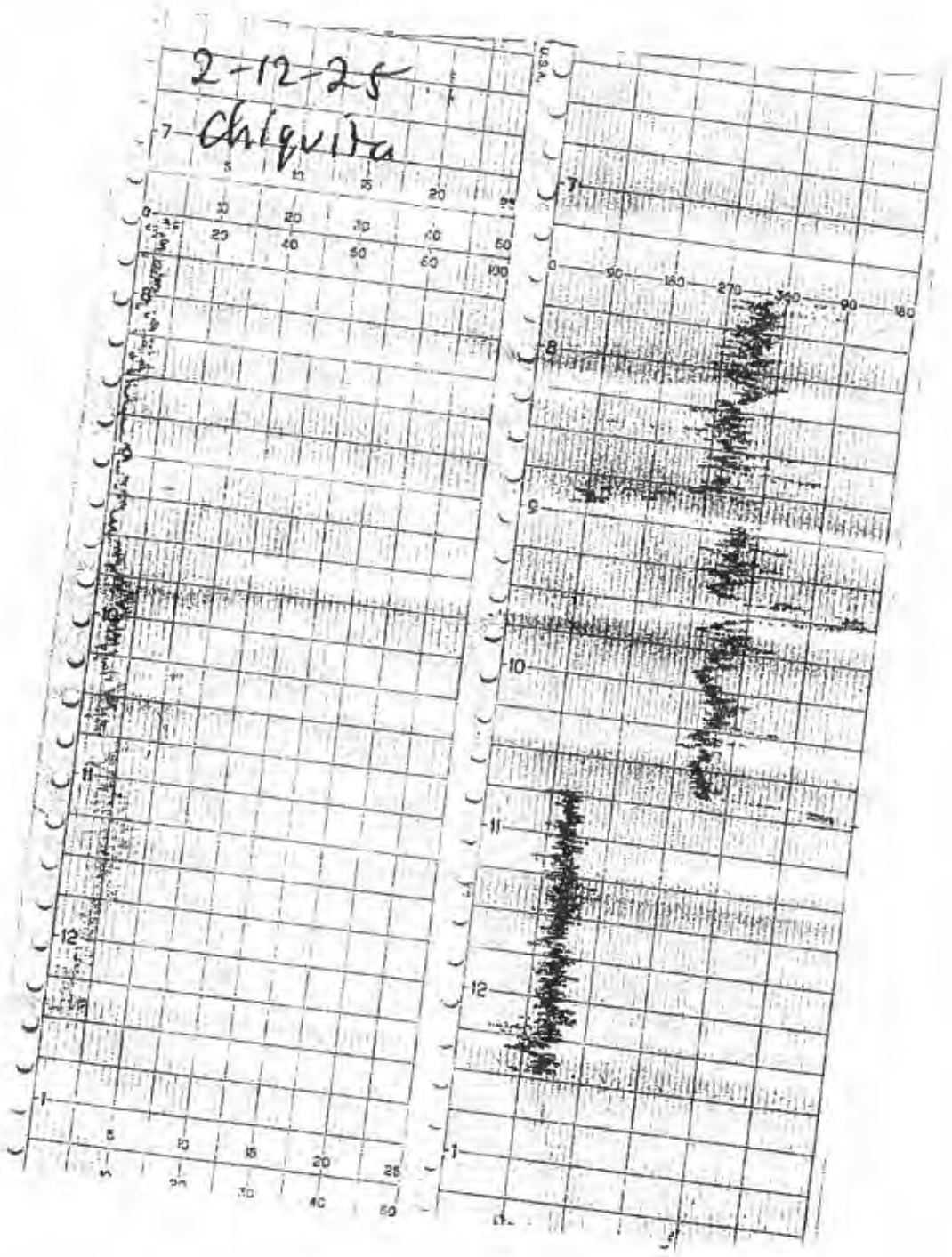
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.2 ppm	24.2 ppm	.8
#2	1.0 ppm	25.0 ppm	0
#3	0.1 ppm	24.5 ppm	.5
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1		1.3% #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 2-12-25 0800

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borchers
Instrument	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
215	56.77	2-4-25								
100	41.33	↓								
231	26.7									
215	31.07									
220	48.93	✓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1st Quarter 2025
Technician	STephen Borthers	D Hernandez
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
215	56.77	2-4-25		2/12/26	19.1					
100	41.33	↓		↓	23.7					
231	26.7				18.6					
215	31.07				21.0					
220	48.93				13.4					

RJES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA CANYON INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #1 SERIAL #: 16320832

MONITORING DATE: 2-12-25 TIME: 0500

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.9 ppm	7.2 ppm	6.5 ppm

Background Value = 6.5 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.2 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	6
#3	24.5 ppm	20 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

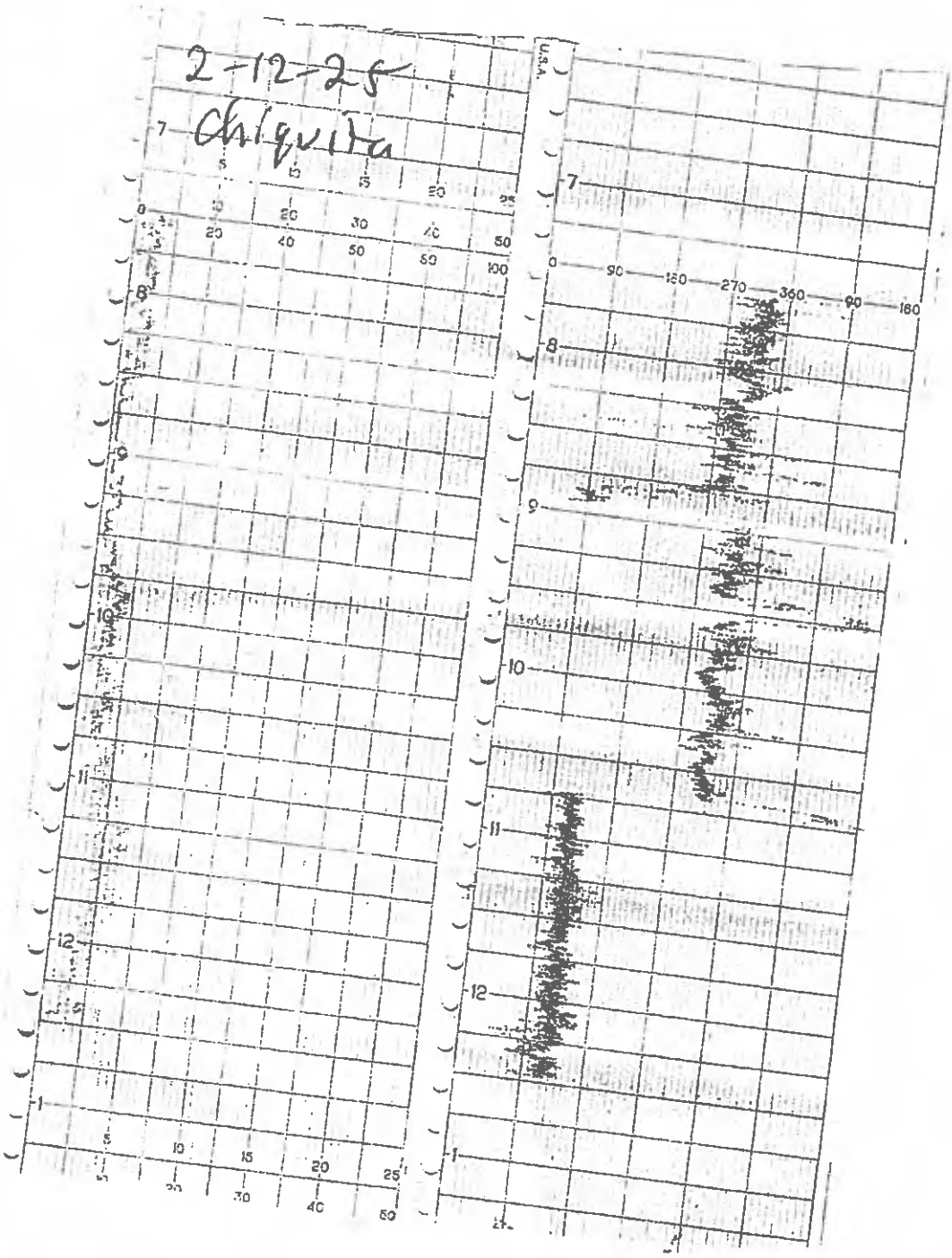
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.2 ppm	24.2 ppm	.8
#2	1.0 ppm	25.0 ppm	0
#3	0.1 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.3% #DIV/0! Must be less than 10%

Performed By W. HERNANDEZ Date/Time 2-12-25 0500

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR/2025
Technician:	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
92	44.47	2-10-25								
154	58.63									
159	92.57									
166	58.10									
165	42.92									
160	60.39									
197	95.27									
186	110									
183	27.72									
194	62.06									
185	56.07									
201	54.13									
175	87.79									
176	33.73									
66	27.53									
173	62.32									
174	60.35									
202	30.45									
205	26.85									
188	118									
153	26.35									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1ST QTR 2025
Technician:	Stephen Borches	Alberto Lopez
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd >25 ppm
82	44.47	2-10-25		2-19-25	21.69					
154	58.63				19.32					
159	97.57				24.36					
166	53.10				10.21					
165	42.92				18.69					
160	60.39				23.44					
187	95.27				22.99					
186	110				24.63					
183	27.72				21.32					
184	62.06				12.61					
185	56.07				15.42					
201	54.13				11.19					
175	87.79				9.16					
176	33.73				21.33					
66	27.53				10.63					
173	62.32				19.43					
174	60.35				21.11					
202	30.45				23.66					
205	26.85				8.33					
188	118				23.69					
153	26.35				10.10					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHICOPEE INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #51 SERIAL #: 716611369

MONITORING DATE: 2-19-25 TIME: 0745

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.15 ppm	7.35 ppm	6.25 ppm

Background Value = 6.25 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25 ppm	20 ppm	6
#2	24.1 ppm	20 ppm	6
#3	24.3 ppm	20 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

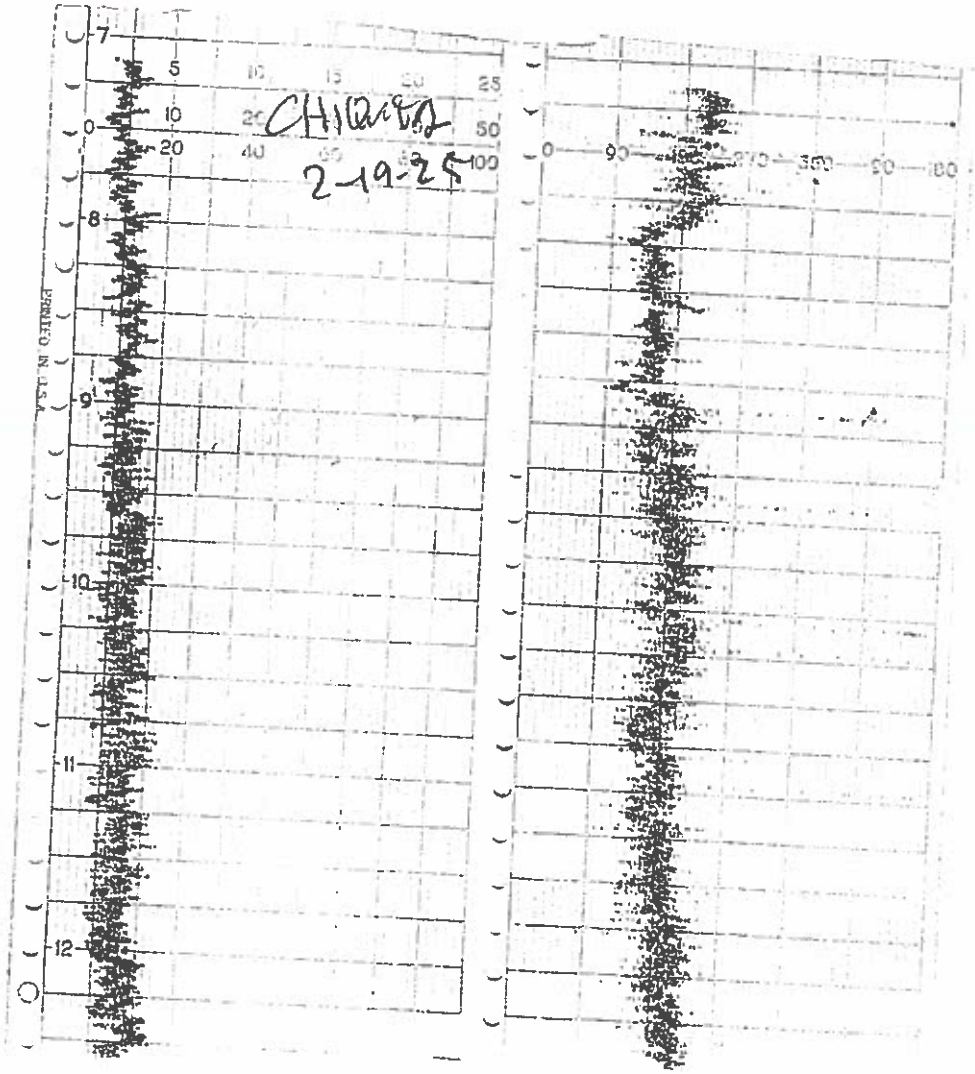
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.49 ppm	25 ppm	0
#2	0.63 ppm	24.1 ppm	.9
#3	0.59 ppm	24.3 ppm	.7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.8% #DIV/0! Must be less than 10%

Performed By: ALBERTO LOPEZ Date/Time: 2-19-25 / 0745

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025	1ST QTR 2025	
Technician:	Michael ORue	Alberto Lopez	
Instrument:	TVA 1000	TVA1000	
Calibration Standard:	500 ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
189	Y1	Surface	560	2-10-25		2-19-25	38.56					
239	Y21	well-H-2302C	6000	↓		↓	402					
239	Y22	well-H-2307S	1400				59.10					
238	Y23	well-EAB2N	1300				72.11					
33	Y24	well-CV2416C	18000				489					
33	Y25	well-H-2169C	43000				477					
33	Y26	well-CV1907	11000				389					
180	Y41	Surface	1282				103					
180	Y42	well-2357	909				74.21					
181	Y43	Surface	525				46.30					
220	Y44	Surface	1283				112					
32	Y45	well-2321	583				207					
172	Y82	Surface	556				83.48					
157	Y84	Surface	603				42.50					
170	Y101	well-2450	5000				406					
170	Y102	well-24058	804				95.02					
171	Y103	well-TD-134	860				326					
59	Y104	Surface	560				311					
153	Y121	well-CV2463	768				269					
153	Y122	well-CV2473	756				348					
154	Y126	well-CV24152	1547				161					
229	Y127	well-24246	786	↓		↓	276					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR/2025	1ST QTR 2025	
Technician:	Michael ORTIZ	ALBERTO LOPEZ	
Instrument:	TVA 1000	TVA1000	
Calibration Standard:	500 ppm	500PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
40	Y128	well-CV94	1007	2-10-25		2-14-25	280					
40	Y129	well-CV2012	1783				456					
175	Y61	well GX311	959				80,42					
175	Y62	well RR-044	541				39.74					
175	Y63	well CV2363	720				104					
175	Y64	Surface	2,563				126					
175	Y65	well CV2342A	16,347				422					
174	Y66	well CV2339	40,096				473					
174	Y67	well CV 2004	529				199					
173	Y68	well EP-039	772				77.01					
173	Y69	well RamsPos	3,240				363					
173	Y70	well CV-54D	2,261				267					
173	Y71	well EP-030	828				29.09					
176	Y72	well EP-32	745				70.61					
176	Y73	well CV1902A	3,997				305					
176	Y74	Surface	770				110					
176	Y75	Surface	8,579				443					
176	Y76	Surface	10,169				491					
176	Y77	Surface	1,256				69.77					
176	Y78	Surface	801				80.10					
241	Y80	well CV2425	1,521				153					
241	Y201	well CV 2425	505				83.97					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025	1ST QTR 2025	
Technician:	Michael Ortiz	Alberto Lopez	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500 ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
36	Y202	Surface well	720	2-10-25		2-19-25	84.06					
36	Y203	H1957-B	1,196	↓		↓	309					
54	Y105	H2166C	1000	↓		↓	173					

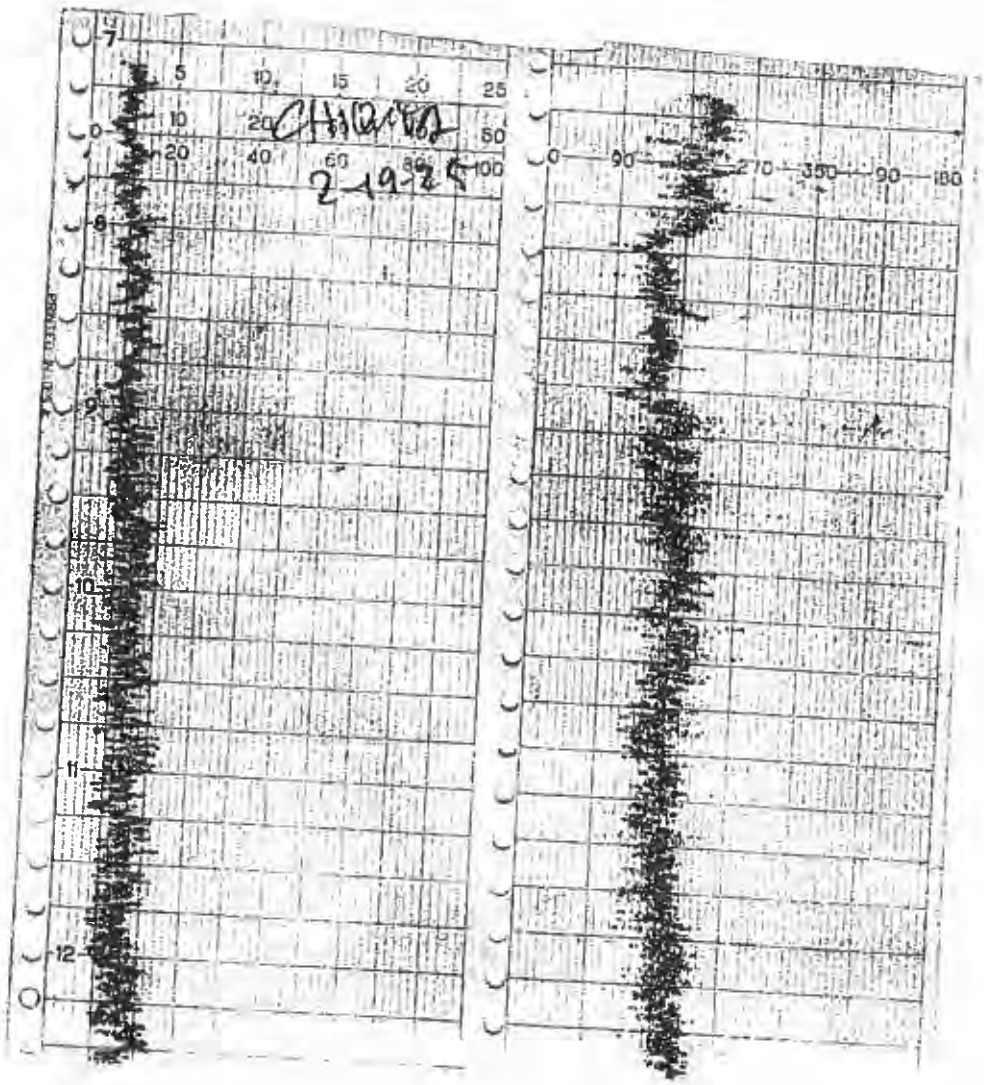
Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1ST QTR 2025		Page 1 of 1 Pages
Technician:	Michael ORUE	ALBERTO LOPEZ		
Instrument:	TVA 1000	TVA 1000		
Calibration Standard:	500 ppm	500ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
242	B2	Surface	211	2-10-25		2-19-25	26.02		
178	B41	well- 2308	282				99.56		
181	B42	well- 2351	282				129		
220	B43	Surface	425				180		
32	B44	well- 2168	283				70.10		
156	B81	Surface	256				138		
172	B83	well- CV24038	277				114		
37	B85	Surface	333				173		
154	B123	well- 2169 W	212				82.61		
154	B124	well- CV24155	297				171		
154	B125	Surface	429				179		
241	B79	Surface	337				133		
241	B200	Surface	456				187		

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Bernard
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
147	160	2-11-25								
83	31.47									
90	46.30									
161	69.21									
163	45.38									
164	112									
209	67.14									
204	99.0									
207	31.28									
208	26.35									
190	85.32									
191	70.42									
192	30.25									
193	60.45									
88	31.15									
162	28.23									
195	40.22									
194	39.07									
96	61.17									
94	26.29									
218	31.01									
219	26.06	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year:	1ST QTR / 2025	1ST QTR 2025
Technician:	Stephen Barnes	JEREMY MUNOZ
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25ppm	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
147	160	2-11-25		2-21-25	19.12					
83	31.47				10.01					
90	46.30				21.63					
161	69.21				19.16					
163	45.38				17.14					
164	112				24.63					
209	67.14				22.11					
204	99.0				24.00					
207	31.28				13.11					
208	26.35				16.44					
190	85.32				19.01					
191	76.42				16.00					
192	30.25				12.11					
193	60.45				13.44					
98	31.15				20.99					
162	28.23				16.21					
195	40.23				17.42					
194	39.07				16.00					
96	61.17				13.00					
99	26.29				9.64					
218	31.01				12.02					
219	26.06	↓		↓	16.43					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #33 SERIAL #: CCCC41015

MONITORING DATE: 2-21-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.19 ppm	7.33 ppm	6.76 ppm

Background Value = 6.76 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.0 ppm	20 ppm	5
#2	25.0 ppm	20 ppm	6
#3	24.5 ppm	20 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

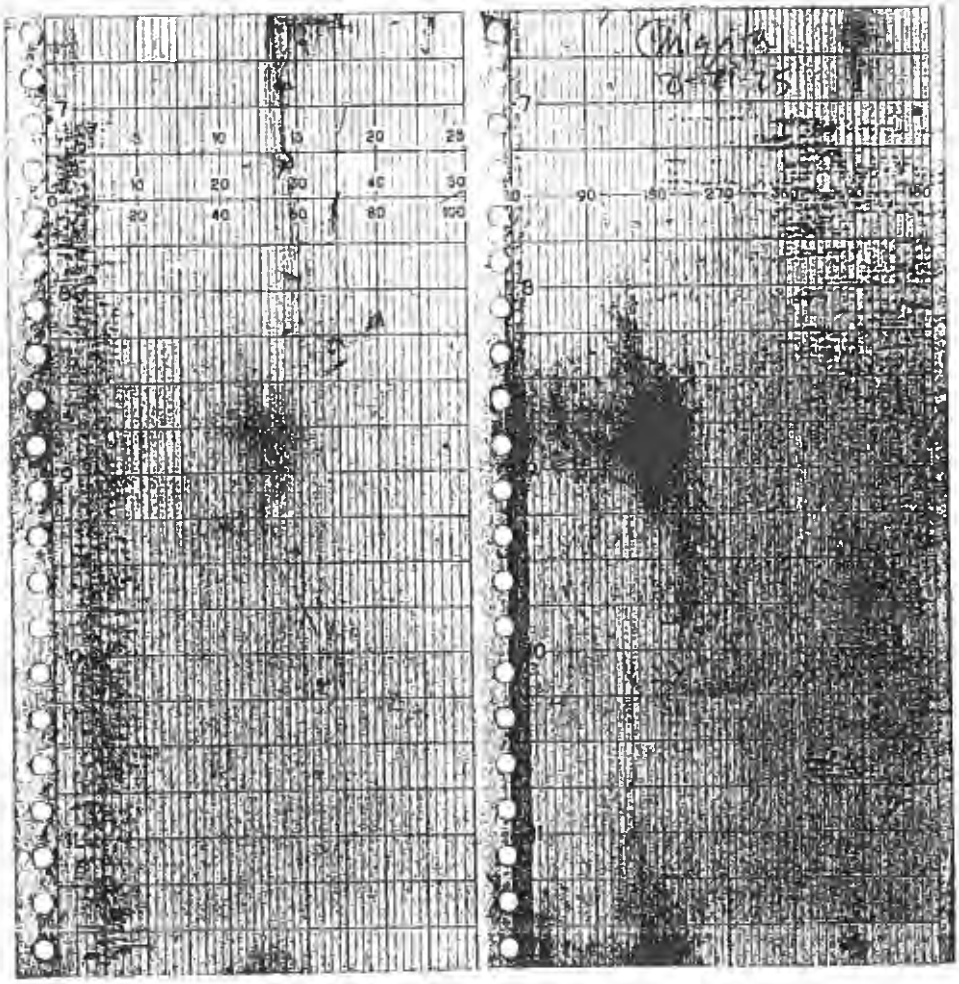
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	25.0 ppm	0
#2	1.0 ppm	25.0 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.6% #DIV/0! Must be less than 10%

Performed By JERRY MUNOZ Date/Time 2-21-25 / 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
56	30.07	2-12-25								
57	43.23									
63	32.27									
60	50.19									
61	44.13									
33	31.34									
223	45.79									
67	70.37									
68	50.35									
100	50.26									
229	45.32									
103	32.02									
84	40.11									
85	113									
86	105									
98	101									
235	39.15									
234	48.18									
231	57.75									
230	48.03									
253	38.17									
233	33.40									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year:	1ST QTR / 2025	1ST QTR 2025
Technician:	Stephen Borchers	JEMY MUNOZ
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
56	30.07	2-12-25		2-21-25	11.69					
57	43.23				13.42					
63	32.27				16.11					
60	50.19				22.41					
61	44.13				18.41					
33	31.34				19.44					
223	45.79				16.11					
67	70.37				12.01					
68	52.35				16.43					
100	50.26				18.91					
229	45.32				17.66					
103	32.02				17.42					
94	40.11				20.41					
95	113				24.01					
96	105				24.68					
99	101				23.11					
235	39.15				12.16					
234	43.18				9.44					
231	57.75				8.69					
230	48.03				10.31					
253	38.17				6.14					
233	33.40	↓		↓	8.69					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #33 SERIAL #: CC0004/1015

MONITORING DATE: 2-21-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.19 ppm	7.33 ppm	6.76 ppm

Background Value = 6.76 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.0 ppm	20 ppm	5
#2	25.0 ppm	20 ppm	6
#3	24.5 ppm	20 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

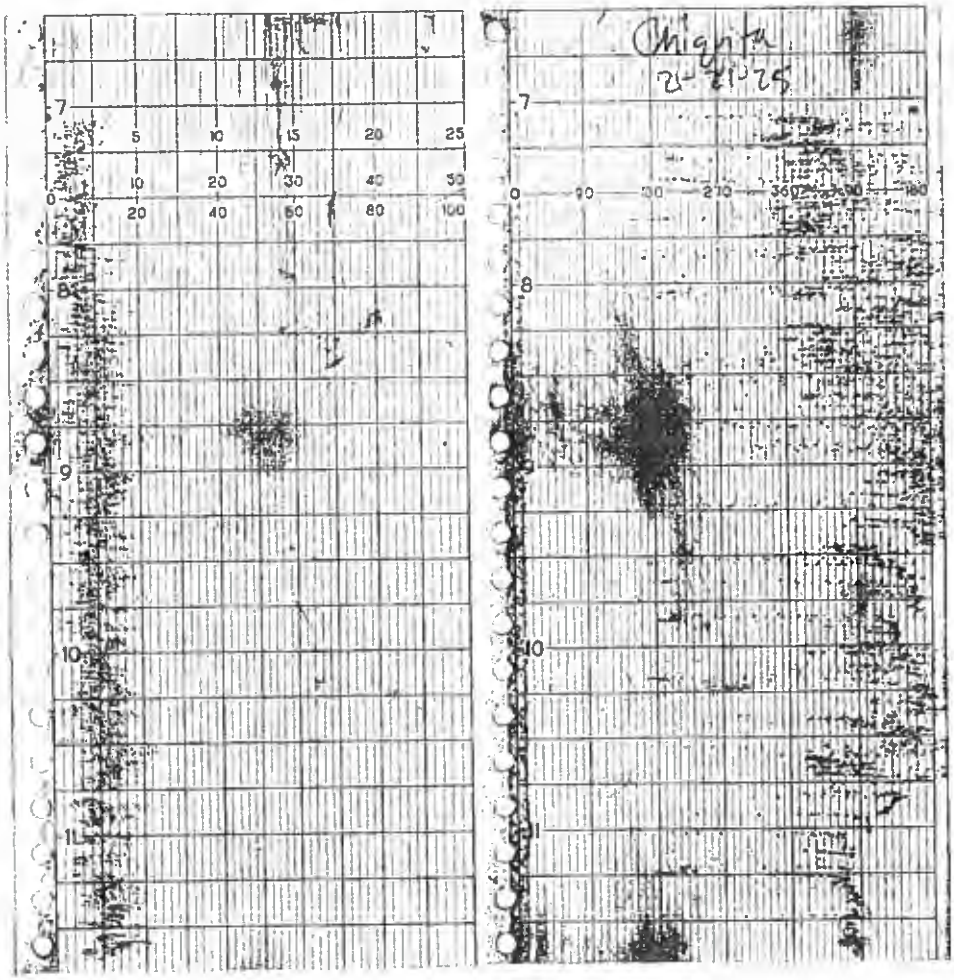
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	25.0 ppm	0
#2	1.0 ppm	25.0 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.6% #DIV/0! Must be less than 10%

Performed By: JERRY MUNOZ Date/Time: 2-21-25 / 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1ST QTR 2025
Technician:	Stephen Borchers	TEDDY MUNOZ
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25ppm	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
175	31.80	2-18-25		2-26-25	9.61					
76	44.30				12.14					
150	21.56				13.25					
191	107				24.01					
192	141				24.69					
193	81.16				23.99					
200	28.03				10.69					
172	50.56				11.42					
170	39.17				13.61					
171	31.30				19.81					
160	32.47				17.64					
165	39.29				19.11					
167	41.75				12.66					
81	31.8				13.44					
82	29.2				17.19					
154	59.55				16.14					
155	40.24				8.26					
159	99.21				9.19					
166	59.40				7.42					
204	82.34				19.00					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHICOTA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 2-26-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.19 ppm	8.31 ppm	7.25 ppm

Background Value = 7.25 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	6
#3	24.5 ppm	20 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

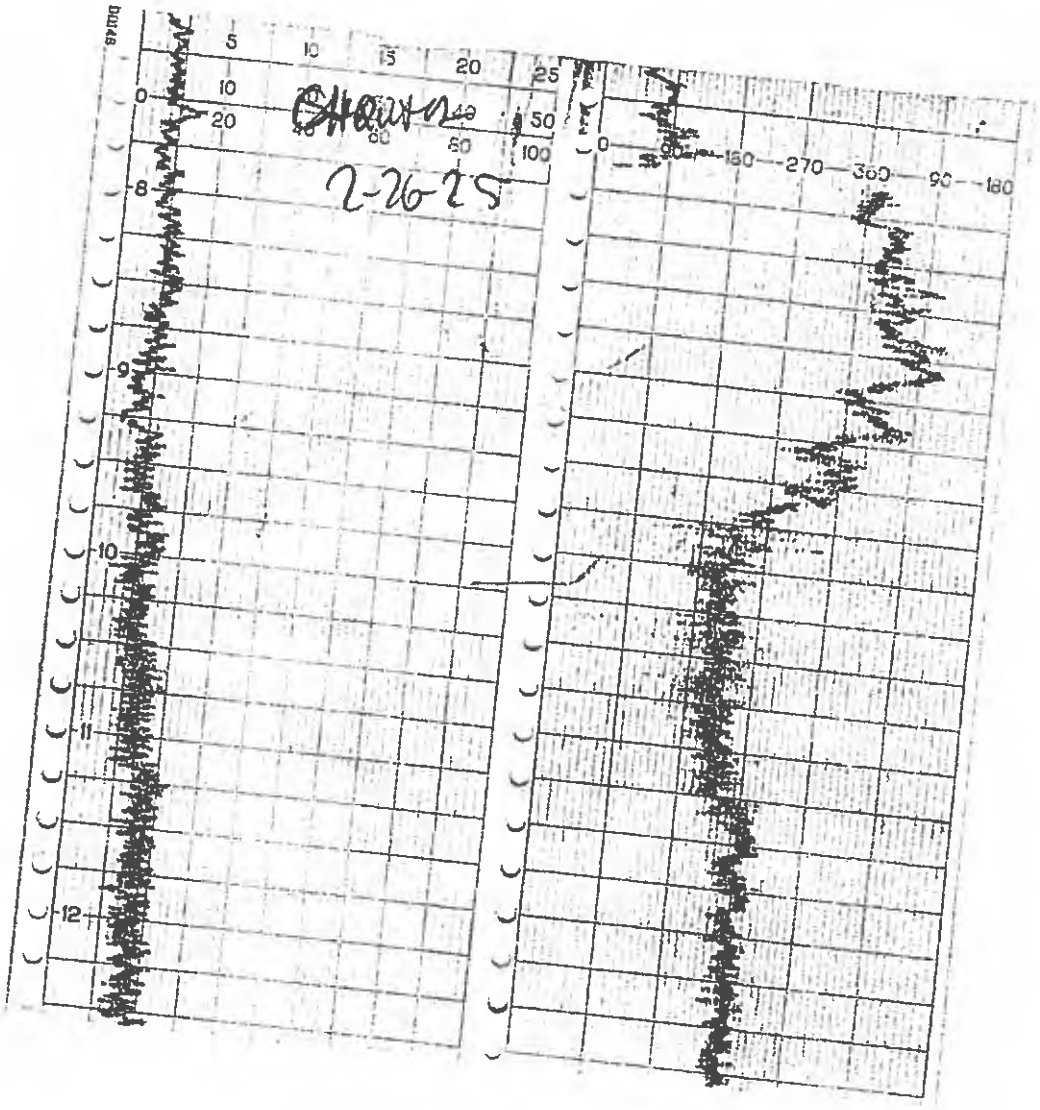
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	1.0 ppm	25.0 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.8% #DIV/0! Must be less than 10%

Performed By: Jimmy Munoz Date/Time 2-26-25 0800

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Barch Jr.
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
212	29.26	2-19-25								
211	28.70									
214	8 6.11									
217	40.31									
96	47.15									
207	27.95									
206	45.29									
223	26.37									
224	28.16									
225	33.13									
220	33.5									
215	32.1									
194	36.20									
222	30.04									
221	28.69									
229	26.23									
243	26.37									
242	27.35									
233	27.81									
234	34.37									
238	31.6									
246	121									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year:	1ST QTR/2025
Technician:	Stephen Borchers
Instrument	TVA 1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event - 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
247	35.40	2-19-25								
248	41.87	↓								
93	33.33									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1ST QTR 2025
Technician:	Stephen Barcus Jr.	JENNY MUNOZ
Instrument:	TVA 1000	TVA 1000
Calibration Standard	25 ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
212	29.26	2-19-25		2-26-25	19.36					
211	28.70				10.01					
214	16.11				13.14					
217	40.31				23.66					
96	47.15				24.19					
207	27.95				19.69					
206	45.29				12.34					
223	26.37				17.42					
224	28.16				19.20					
225	33.13				18.16					
220	33.5				16.14					
215	32.1				13.11					
194	36.20				22.68					
222	30.04				23.19					
221	28.69				9.86					
229	26.23				8.21					
243	26.37				10.00					
242	27.35				16.94					
233	27.81				16.98					
234	34.37				8.91					
238	31.6				10.99					
246	121				11.26					

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1ST QTR 2025
Technician	Stephen Borchers	JERRY MUNOZ
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
247	35.40	2-19-25		2-26-25	19.61					
248	41.67	↓		↓	15.42					
93	33.33	↓		↓	13.19					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 2-26-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.19 ppm	8.31 ppm	7.25 ppm

Background Value = 7.25 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	6
#3	24.5 ppm	20 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

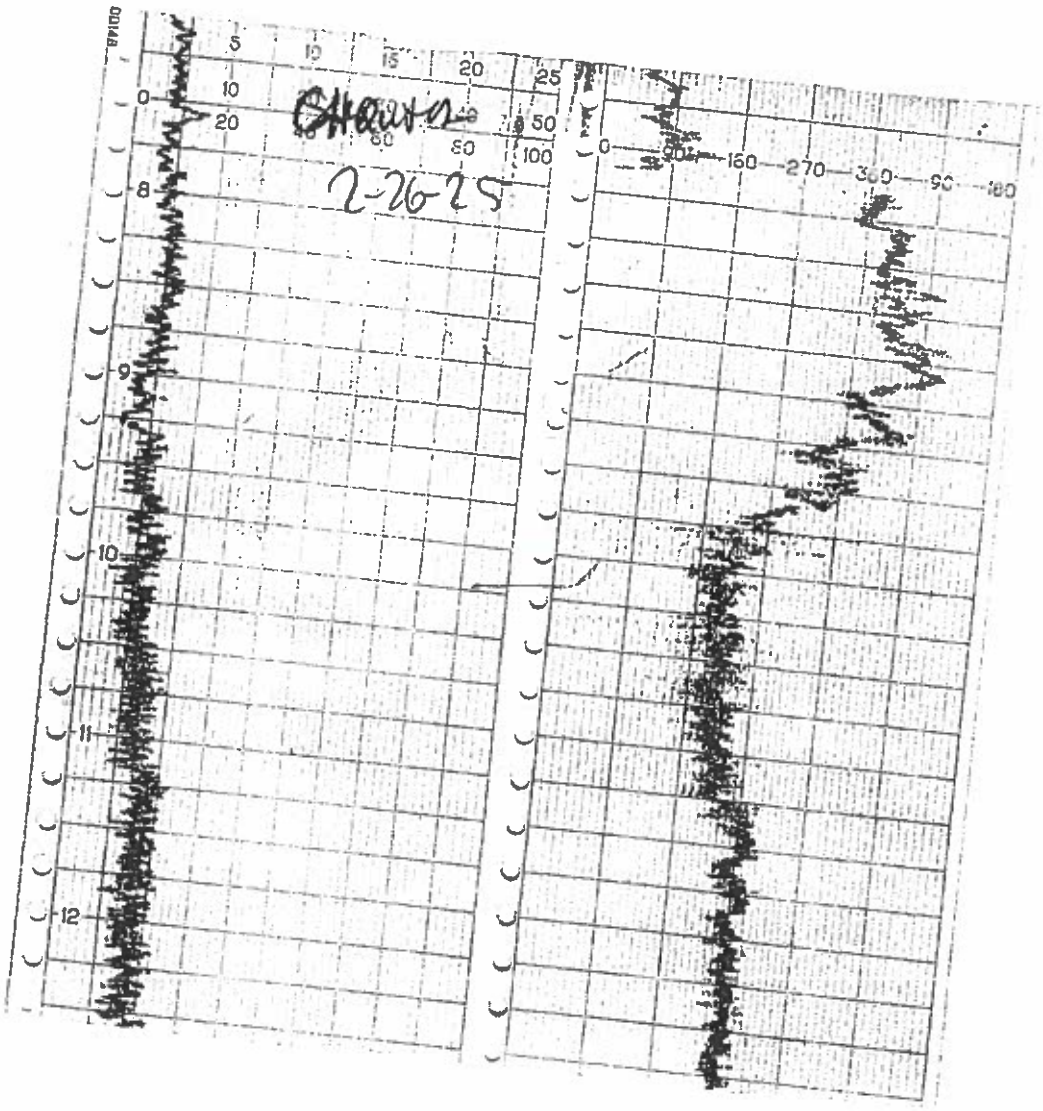
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	1.0 ppm	25.0 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1		1.8% #DIV/0! Must be less than 10%

Performed By: Jeffy Munoz Date/Time: 2-26-25 0800

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Cimarron

Quarter / Year:	1st QTR / 2025	1st Quarter 2025	
Technician:	Alberto Lopez	D Hernandez	
Instrument:	TVA 1022	TVA 1000	
Calibration Standard:	500 PPM	500PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
160	Y63	CV24169	24,000	2-21-25		2/28/25	473					
165	Y64	TD1652D84	3,000				401					
165	Y65	CV24080	1,400				454					
171	Y66	CV2302	3,000				379					
158	Y67	CV2328	2,200				400					
154	Y42	M-2169W	720				260					
154	Y43	CV2312	527				95.4					
154	Y44	CV24152	800				221					
153	Y45	CV24151	1,200				410					
153	Y46	CV24074	600				64.1					
153	Y47	surface	1,700				137					
153	Y48	CV2463	850				88.7					
151	Y49	CV24048	520				32.1					
152	Y50	unmarkedwell	720				47.8					
153	Y51	CV2473	507				13.8					
172	Y2	well-2445	1,400				431					
178	Y6	CV2308	959				399					
166	Y21	CV2484	1,345				297					
166	Y22	H1565C	1,267				177					
166	Y23	CV24071	5,321				490					
166	Y24	H17545	3,800				443					
166	Y25	CV24070	2,787				179					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025
Technician:	Alberto Lopez
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
1666	Y26	unmarked well	10,000	2-21-25		2/28/25	182					
1666	Y27	CV24083	3,306	↓		↓	477					
1666	Y28	CV24082	11,463				272					
1666	Y29	CV24081	10,071				167					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st Qtr / 2025	1st Quarter 2025	Page 1 of 1 Pages
Technician:	Alberto Lopez	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 PPM	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
172	B1	well CV24038	253	2-21-25		2/28/25	73.9		
171	B21	well 2461	461				179		
159	B3	well CV2472	220				24.3		
159	B4	Surface	201				11.9		
159	B5	surface	216				17.8		

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723626

MONITORING DATE: 2-28-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.16 ppm	8.19 ppm	6.6 ppm

Background Value = 6.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	504 ppm	450 ppm	6
#2	503 ppm	450 ppm	6
#3	499 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			6.3 #DIV/0! Must be less than 30 seconds

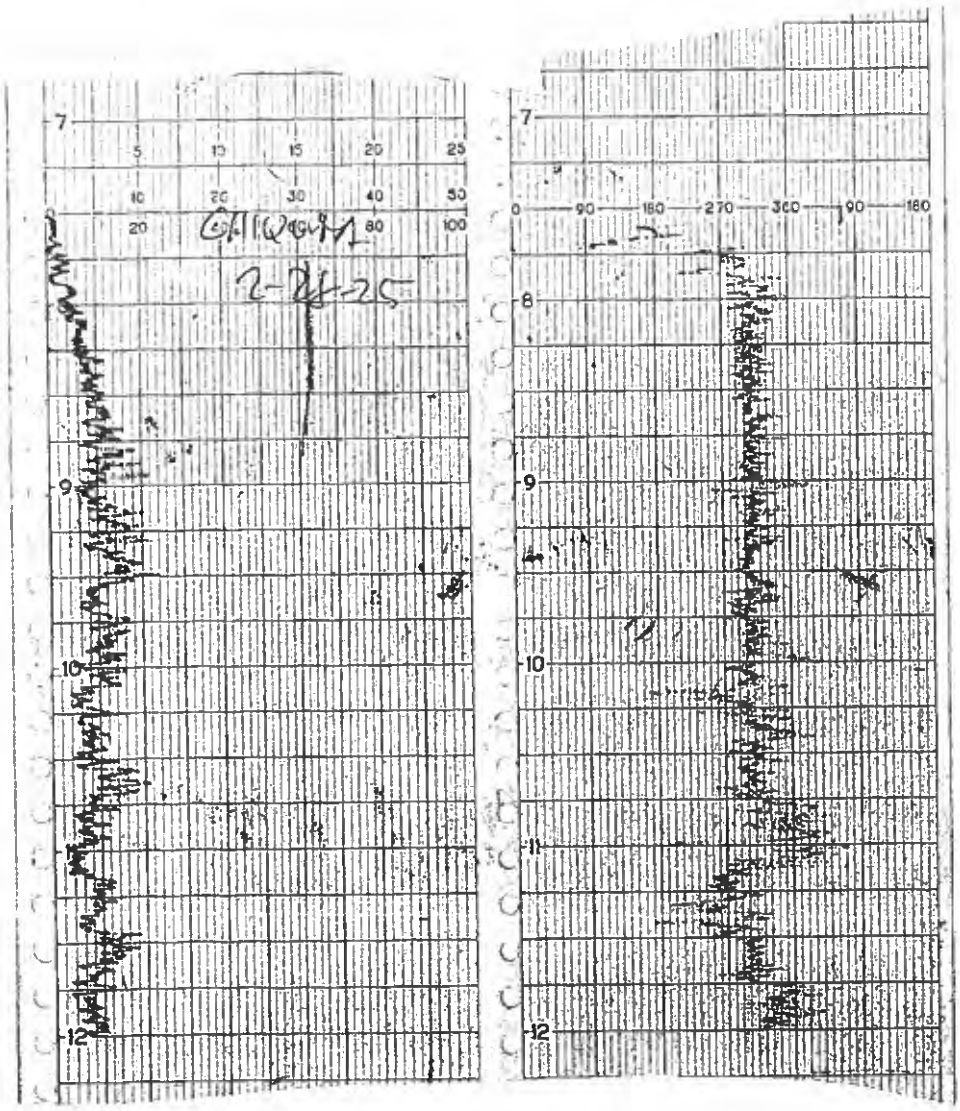
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.2 ppm	509 ppm	4
#2	0.2 ppm	503 ppm	3
#3	0.4 ppm	499 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.5% #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 2-28-25 0800

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025	1st Quarter 2025	
Technician	Alberto Lopez	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
160	Y63	CV24169	24,000	2-21-25		3/20/25	5.9					
165	Y64	TD1652024	3,000				25.1					
165	Y65	CV24080	1,400				25.1					
171	Y66	CV2302	3,000				11.9					
158	Y67	CV2328	2,200				11.3					
154	Y42	H-2169W	720				7.1					
154	Y43	CV2312	527				8.8					
154	Y44	CV24152	800				9.3					
153	Y45	CV24151	1,200				8.4					
153	Y46	CV24074	600				11.4					
153	Y47	surface	1,700				9.6					
153	Y48	CV2463	850				7.6					
151	Y49	CV24048	520				6.1					
152	Y50	unmarked well	720				8.1					
153	Y51	CV2473	567				7.5					
172	Y2	well-2445	1,400				12.3					
178	Y6	CV2308	959				15.0					
166	Y21	CV2484	1,345				27.5					
166	Y22	H1565C	1,207				58.6					
166	Y23	CV24071	5,321				125					
166	Y24	H1754S	3,800				210					
166	Y25	CV24070	2,787				108					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR/ 2025	15 Qtr 2025	
Technician:	Alberto Lopez	UNAVAILABLE	
Instrument:	TVA 1000	TVA1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
1666	Y26	unmarked well	10,060	2-21-25		3/20/25	101					
1666	Y27	CV24083	3,306	1			136					
1666	Y28	CV24082	11,463				97.7					
1666	Y29	CV24081	10,071	⩔			39.9					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-20-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.6 ppm	3.9 ppm	3.2 ppm

Background Value = 3.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

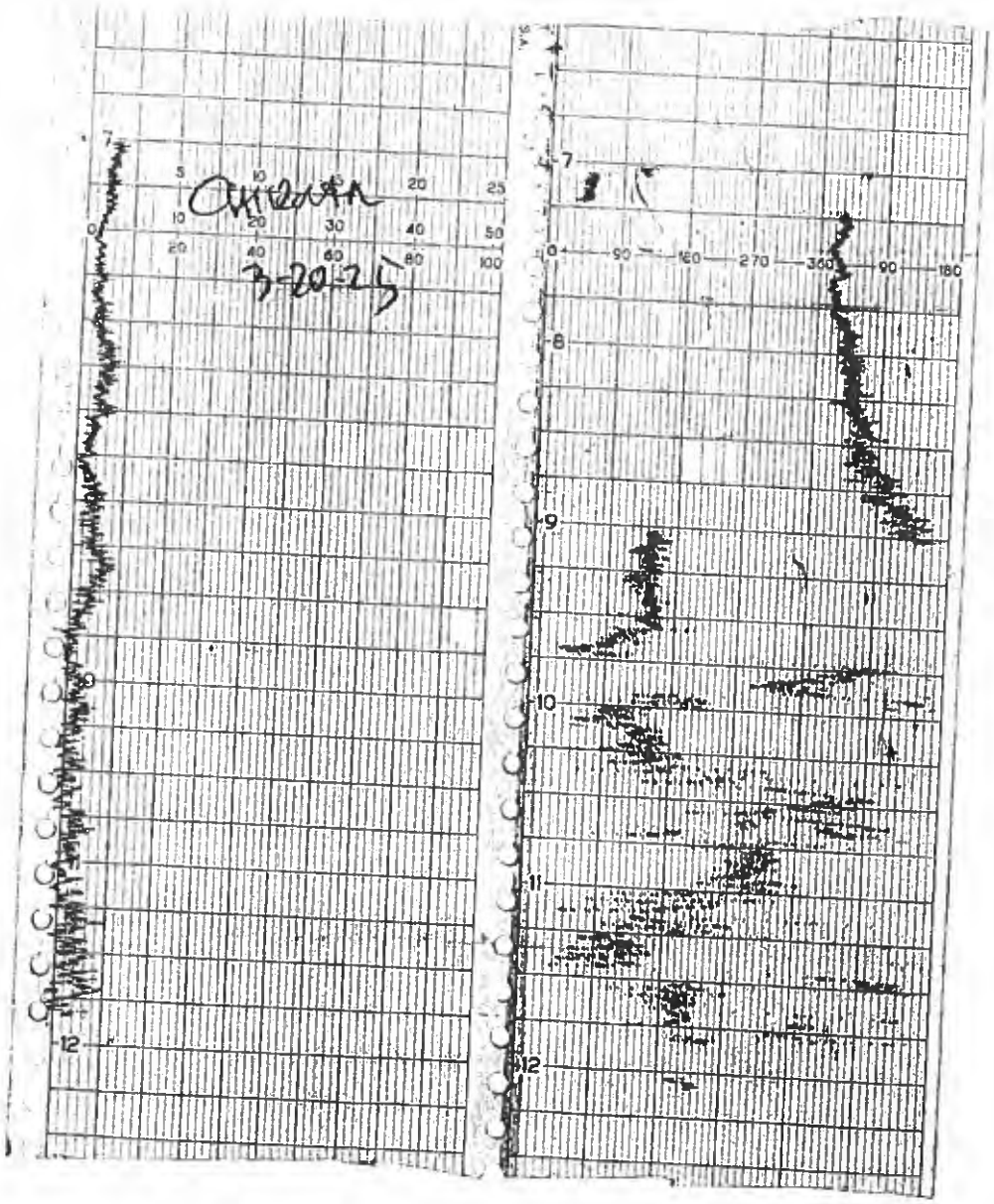
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.49 ppm	501 ppm	1
#2	0.51 ppm	501 ppm	1
#3	0.50 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Bradley
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
53	93.47	2-24-25								
148	35.17									
153	26.93									
175	58.72									
174	66.37									
169	53.89									
182	30.21									
150	47.90									
176	25.10									
159	72.37									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1st QTR / 2025
Technician:	Stephen Sanchez	Gerardo Munoz
Instrument:	TVA 1000	TVA 100V
Calibration Standard:	25ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
53	93.47	2-24-25		3-5-25	21.80					
148	25.17				16.25					
153	26.93				23.50					
175	58.72				7.81					
174	66.37				14.07					
169	53.89				24.08					
182	30.21				22.07					
150	47.90				23.09					
176	25.10				10.48					
159	72.37				18.04					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chicota INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #12 SERIAL #: 1036246741

MONITORING DATE: 3-5-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.1 ppm	4.5 ppm	3.3 ppm

Background Value = 3.3 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.0 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	5
#3	25.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

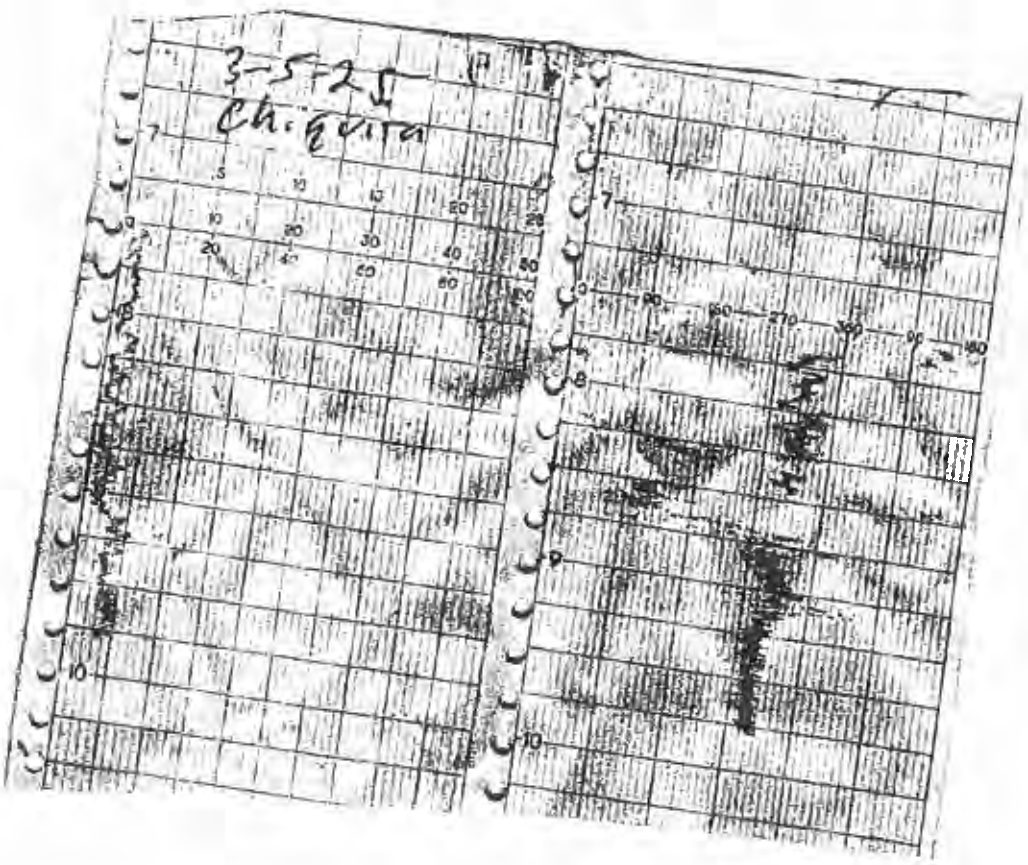
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.49 ppm	25 ppm	0
#2	0.59 ppm	25 ppm	0
#3	0.52 ppm	25.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.6 #DIV/0! Must be less than 10%

Performed By: J. Mund Date/Time: 3-5-25 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025
Technician:	Stephen Borders
Instrument:	TVA 1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
179	40.30	2-25-25								
197	80.45	↓								
167	61.19	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1st Qtr. / 2025
Technician:	Stephen Borchers	Crew Jo Manor
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
179	40.30	2-25-25		3-5-25	23.06					
197	80.45	↓		↓	17.09					
167	61.19	↓		↓	22.05					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHICOPEE INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #12 SERIAL #: 1036246741

MONITORING DATE: 3-5-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.1 ppm	4.5 ppm	3.3 ppm

Background Value = 3.3 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.0 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	5
#3	25.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

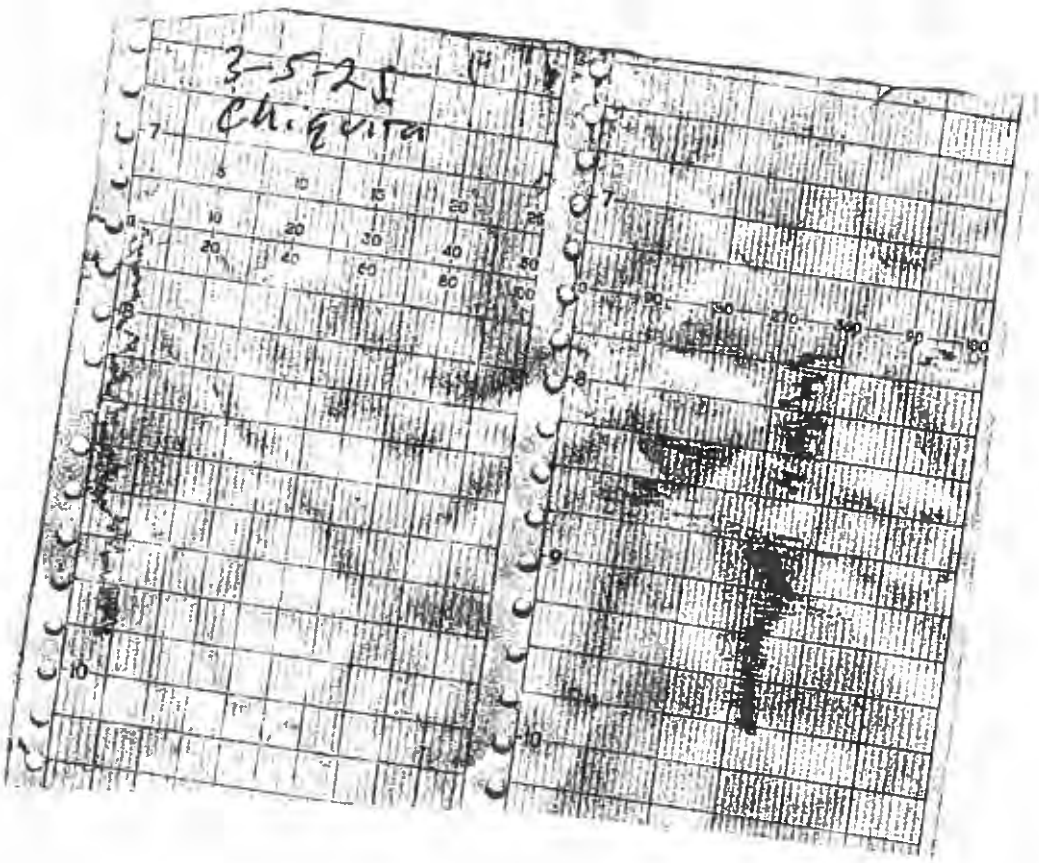
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.49 ppm	25 ppm	0
#2	0.59 ppm	25 ppm	0
#3	0.52 ppm	25.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.6 #DIV/0! Must be less than 10%

Performed By: J. MUNOZ Date/Time: 3-5-25 0700

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025
Technician:	Alberto Lopez
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
157	Y1	Surface	700	2-26-25								
178	Y3	CV2308	5000									
185	Y4	unmarked	7000									
214	Y61	TD:1258:90	828									
214	Y62	Surface	773									
214	Y63	H-2163W	603									
214	Y64	H-2161W	1108									
215	Y65	Surface	500									
212	Y66	CV24193	3700									
199	Y67	CV16015	1312									
197	Y68	H14095	2300									
197	Y69	CV24198	7100									
96	Y70	CV24115	1070									
221	Y121	Surface	612									
222	Y122	Surface	4146									
225	Y123	Surface	2086									
244	Y124	unmarked	5038									
236	Y141	Surface	561									
236	Y142	Surface	656									
235	Y143	Surface	978									
232	Y144	Surface	1296									
231	Y145	H2303N	2062	"								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2015
Technician:	Alberto Lopez
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
230	Y146	Surface	678	2-26-15								
95	Y161	D-6	754	↓								
98	Y162	D-09	2000	↓								
103	Y163	Surface	1200	↓								
100	Y164	H21600E	1876	↓								

2-26-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43466604	-118.648578	2025-02-26T16:52:38Z	Y1	Surface ppm 700 157
2	34.43015297	-118.648168	2025-02-26T16:35:07Z	Y121	632Ppm surface
3	34.43005498	-118.648349	2025-02-26T16:51:07Z	Y122	4146Ppm surface
4	34.43010896	-118.650394	2025-02-26T17:32:30Z	Y123	2086Ppm surface
5	34.42902602	-118.651351	2025-02-26T17:55:03Z	Y124	5038Ppm well
6	34.42937303	-118.646185	2025-02-26T16:22:27Z	Y141	561Ppm surface
7	34.429007	-118.646803	2025-02-26T16:35:25Z	Y142	656Ppm surface
8	34.429066	-118.647145	2025-02-26T16:45:15Z	Y143	988Ppm surface
9	34.42876602	-118.648283	2025-02-26T17:12:09Z	Y144	1296Ppm surface
10	34.42904597	-118.648442	2025-02-26T17:25:37Z	Y145	2062Ppm well h2303n
11	34.42851498	-118.648806	2025-02-26T17:39:35Z	Y146	678Ppm surface
12	34.43009899	-118.645443	2025-02-26T16:18:13Z	Y161	754PPm grd95 wellD-6
13	34.43012699	-118.646318	2025-02-26T16:28:05Z	Y162	2000Ppm Grd98 wellD-09
14	34.42973396	-118.64699	2025-02-26T16:39:34Z	Y163	1800Ppm grd103surface
15	34.43046704	-118.646666	2025-02-26T17:01:41Z	Y164	1876Ppm grd100 well H2160E
16	34.43589197	-118.648912	2025-02-26T17:28:57Z	Y3	Well cv2308 ppm 5000 178
17	34.43655297	-118.649488	2025-02-26T17:37:46Z	Y4	Well no id ppm 7000 185
18	34.43097297	-118.649793	2025-02-26T17:15:05Z	Y61	828Ppm well-TD:125 LB:120
19	34.43107699	-118.649826	2025-02-26T17:17:52Z	Y62	773Ppm surface
20	34.43118797	-118.6499	2025-02-26T17:19:21Z	Y63	603ppm well-H-2163w
21	34.43094799	-118.650231	2025-02-26T17:23:08Z	Y64	1108Ppm well-H-2161w
22	34.43100197	-118.650491	2025-02-26T17:29:10Z	Y65	500Ppm surface
23	34.43151603	-118.649098	2025-02-26T17:41:38Z	Y66	3700Ppm well-cv24193
24	34.43111798	-118.648724	2025-02-26T17:46:19Z	Y67	1312Ppm well-cv-1601s
25	34.43126801	-118.647991	2025-02-26T17:50:37Z	Y68	2300Ppm well-H1409s
26	34.43157001	-118.647599	2025-02-26T17:54:01Z	Y69	7100Ppm well-cv24198
27	34.43120498	-118.646847	2025-02-26T18:03:34Z	Y70	1070Ppm well-cv24115

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025	1st Qtr / 2025	
Technician:	Alberto Lopez	Gerardo Munoz	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
157	Y1	Surface	700	2-26-25		3-8-25	380					
178	Y3	CV2308	5000				100					
185	Y4	unmarked	7000				260					
214	Y61	TD:1256:2c	828				220					
214	Y62	Surface	773				410					
214	Y63	H-2163W	603				470					
214	Y64	H-2161W	1108				200					
215	Y65	Surface	500				220					
212	Y66	CV24193	3700				200					
199	Y67	CV16015	1312				390					
197	Y68	H14095	2300				77.0					
197	Y69	CV24198	7100				14.1					
96	Y70	CV24115	1070				425					
221	Y121	Surface	612				470					
222	Y122	Surface	4146				220					
225	Y123	Surface	2086				110					
244	Y124	unmarked	5038				380					
236	Y141	Surface	561				330					
236	Y142	Surface	656				425					
235	Y143	Surface	988				490					
232	Y144	Surface	1246				82.0					
231	Y145	H2303N	206.2				95.0					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR/ 2025	1st QTR/2025	
Technician:	Alberto Lopez	Gerardo Munoz	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
230	Y140	Surface	678	2-26-25		3-8-25	390					
95	Y161	D-6	754	↓		↓	485					
98	Y162	D-09	2000	↓		↓	85.0					
103	Y163	Surface	1200	↓		↓	80.0					
100	Y164	H2160E	1876	↓		↓	83.0					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT # #10 SERIAL #: 1036346773

MONITORING DATE: 3-8-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.1 ppm	4.5 ppm	3.3 ppm

Background Value = 3.3 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	502 ppm	450 ppm	6
#3	502 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

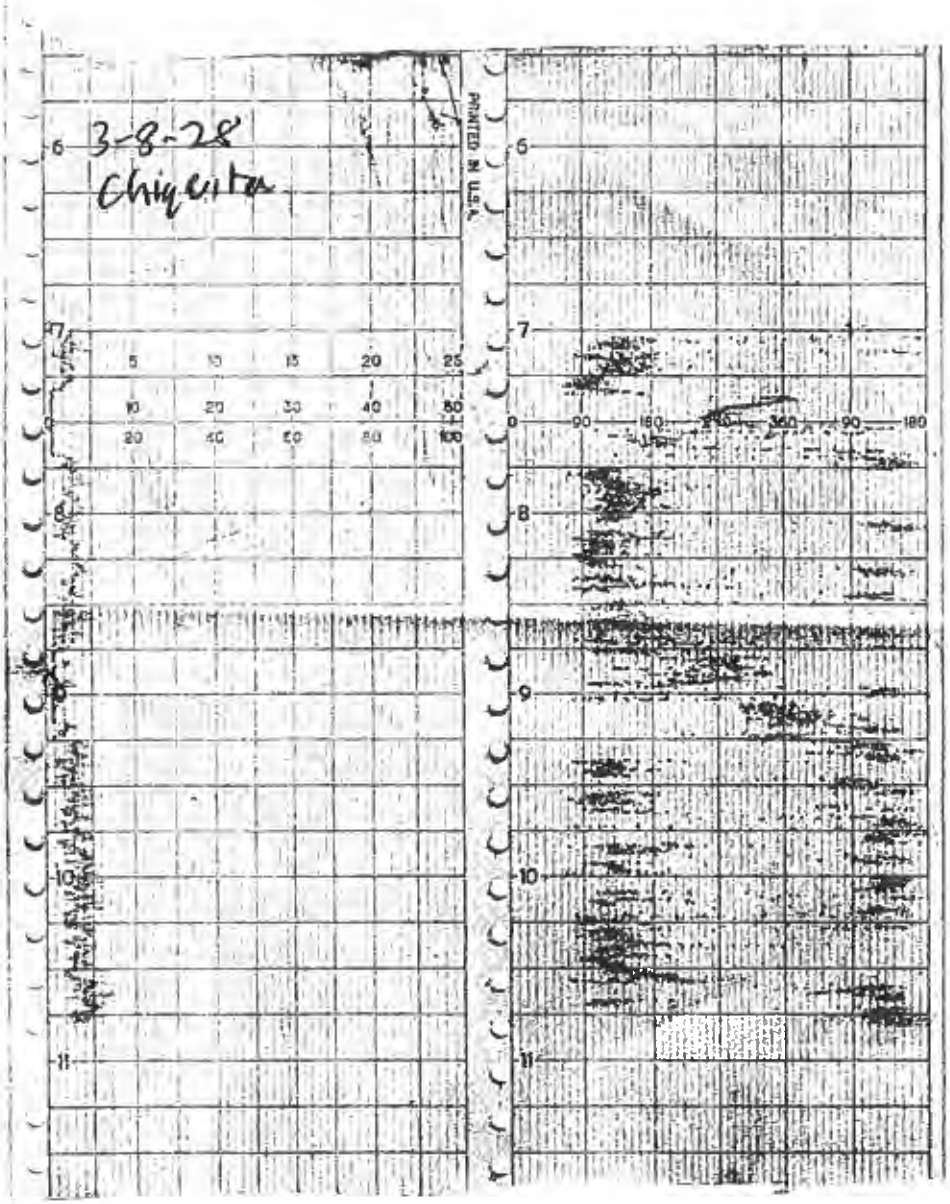
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.49 ppm	501 ppm	1
#2	0.66 ppm	502 ppm	2
#3	0.62 ppm	502 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.3 #DIV/0! Must be less than 10%

Performed By: JMuñoz Date/Time: 3-8-25 0700

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Cinquita

Quarter / Year:	1st QTR / 2025	1st Quarter 2025	
Technician:	Alberto Lopez	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
157	Y1	Surface	7000	2-26-25		3/26/25	7.3					
178	Y3	CV2308	5000				8.2					
185	Y4	unmarked	7000				7.3					
214	Y61	TD: 125 LB: n	827				43.3					
214	Y62	Surface	773				21.8					
214	Y63	H-2163W	603				9.7					
214	Y64	H-2161W	1108				16.3					
215	Y65	Surface	500				292					
212	Y66	CV24193	3700				10.4					
199	Y67	CV16015	1312				8.3					
197	Y68	H14095	2300				106					
197	Y69	CV24198	7100				267					
96	Y70	CV24115	1070				151					
221	Y121	Surface	612				29.7					
222	Y122	Surface	4146				197					
225	Y123	Surface	2086				120					
244	Y124	unmarked	5038				14.9					
236	Y141	Surface	561				134					
236	Y142	Surface	656				454					
235	Y143	Surface	988				32.9					
232	Y144	Surface	1296				173					
231	Y145	H2303N	2062				25.2					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1st QTR / 2025	1st Quarter 2025	
Technician:	Alberto Lopez	D. Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
230	Y146	Surface	678	2-26-25		3/26/25	153					
95	Y161	D-6	754	1		↓	165					
98	Y162	D-09	2000				79.1					
103	Y163	Surface	1800				393					
100	Y164	H2160E	1876	↓			290					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 7784545

MONITORING DATE: 3-26-25 TIME: 0830

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.1 ppm	3.5 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	5
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

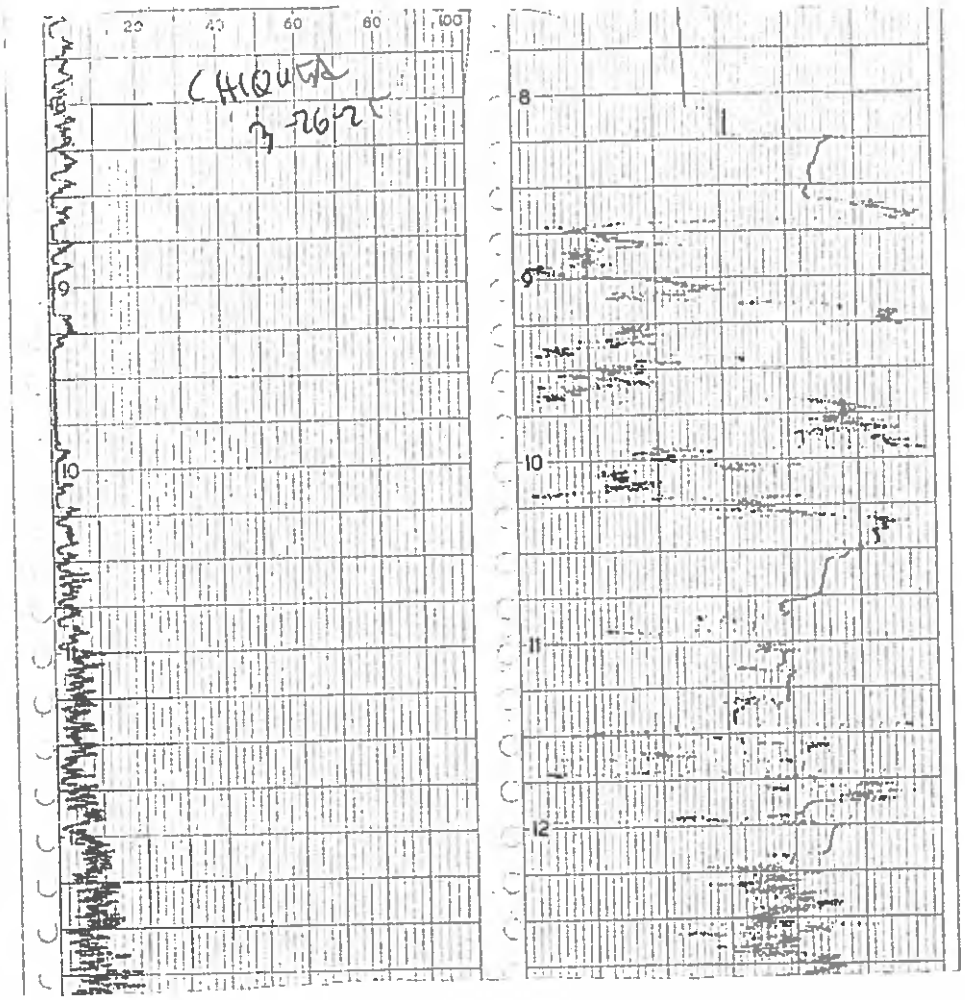
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.45 ppm	501 ppm	1
#2	0.46 ppm	501 ppm	1
#3	0.51 ppm	501 ppm	1
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.2 #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 3-26-25 0830

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year:	1ST QTR/2025
Technician	Stephen Borchers
Instrument	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
71	40.25	3-3-25								
32	35.26	↓								
57	40.28									
52	32.00									
47	28.43									
104	25.22									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year:	1ST QTR/2025	1ST QTR/2025
Technician	Stephen Borches	Stephen Borches
Instrument	TVA1000	TVA1000
Calibration Standard	25ppm	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
71	40.25	3-3-25		3-10-25	1008					
32	35.26	↓		↓	24.31					
51	40.28				13.75					
52	32.00				12.32					
47	28.48				10.02					
104	25.22				9.04					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-10-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.17 ppm	7.21 ppm	6.69 ppm

Background Value = 6.69 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.4 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	0.1 ppm	25 ppm	0
#3	0.0 ppm	24.4 ppm	.6
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By Stephen Borchers Date/Time 3-10-25 / 0700

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 16320932

MONITORING DATE: 3-10-25 TIME 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.63 ppm	6.15 ppm	5.89 ppm

Background Value = 5.89 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	2.4 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

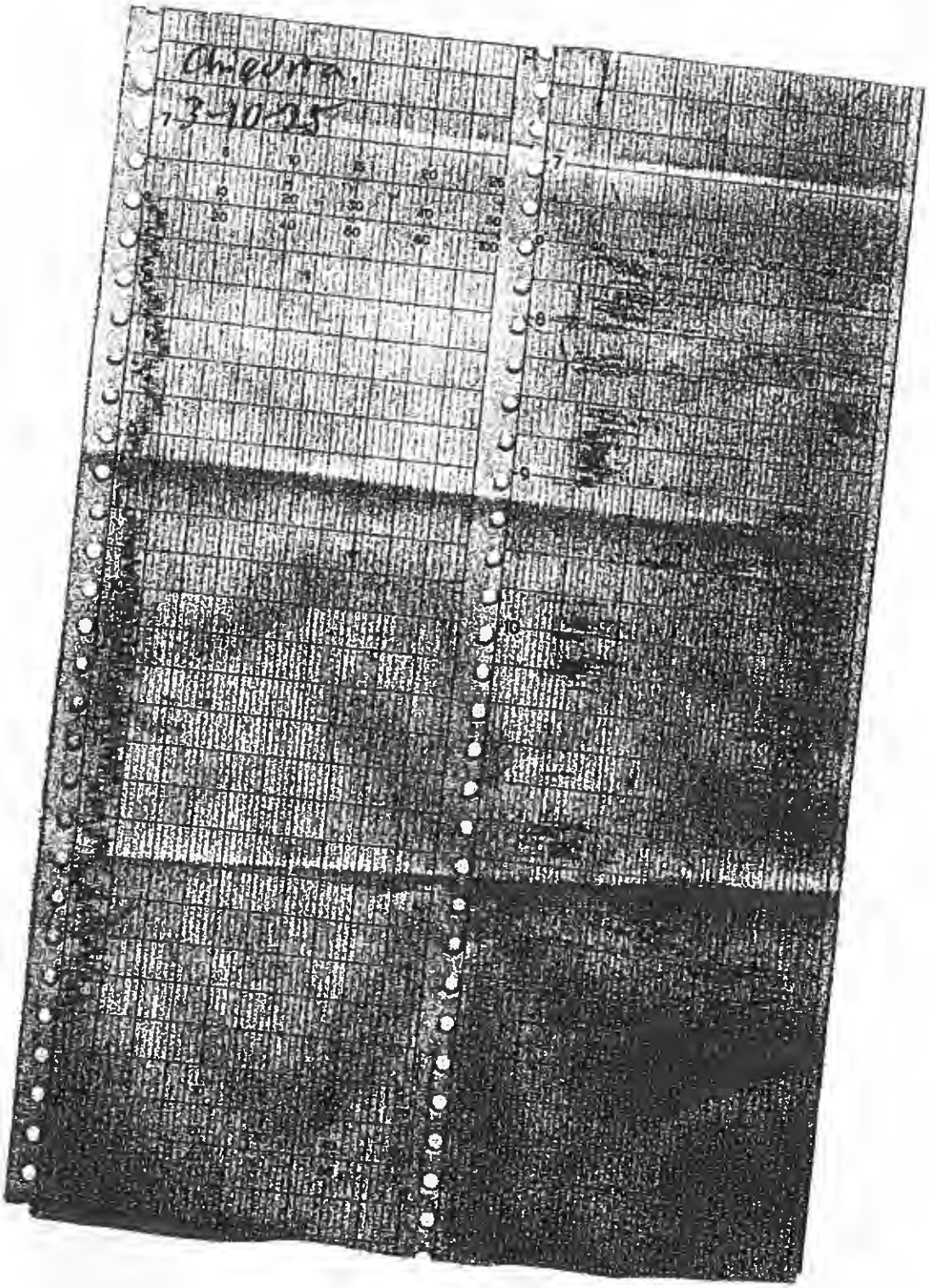
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24 ppm	1
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			.2% #DIV/0! Must be less than 10%

Performed By Stephen Borchers. Date/Time 3-10-25 / 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1ST QTR / 2025
Technician:	Stephen Borchers	Stephen Borchers
Instrument:	TVA 1000	TVA1000
Calibration Standard:	25 ppm	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
157	162	3-4-25		3-10-25	9.65					
186	50.50				7.82					
200	25.12				14.21					
181	38.21				11.18					
180	40.36				12.38					
179	26.37				9.46					
145	30.50				15.06					
184	162				8.20					
53	42.20				11.91					
158	71.00				8.49					
206	44.60				14.37					
207	39.19				12.64					
204	36.74				23.31					
169	47.63				9.57					
171	44.22				12.66					
170	44.37				11.30					
84	30.56				10.22					
161	35.00				18.40					
163	29.58				10.16					
155	59.78				10.32					
166	61.34				10.70					
188	27.70	↓		↓	16.32					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-10-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.17 ppm	7.21 ppm	6.69 ppm

Background Value = 6.69 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.4 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	0.1 ppm	25 ppm	0
#3	0.0 ppm	24.4 ppm	.6
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By Stephen Borchers Date/Time 3-10-25 / 0700

RJRS Environmental Inc

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 163209332

MONITORING DATE: 3-10-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.63 ppm	6.15 ppm	5.89 ppm

Background Value = 5.89 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

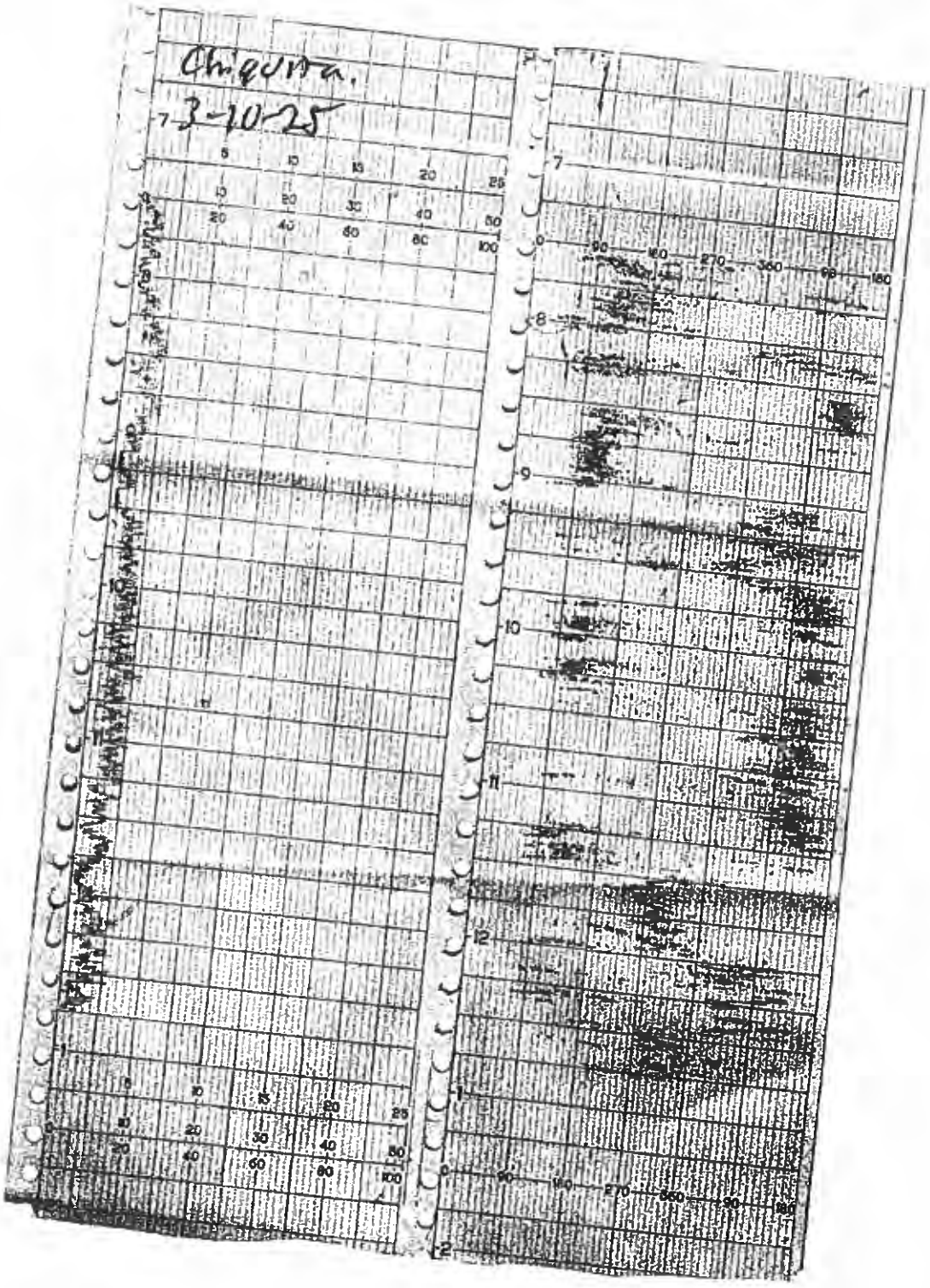
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24 ppm	1
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			.2% #DIV/0! Must be less than 10%

Performed By Stephen Borchers. Date/Time 3-10-25 / 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	STephen Burgess
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
211	53.48	3-5-25								
214	34.09									
215	33.06									
197	50.66									
99	41.03									
216	34.02									
217	28.25									
218	32.56									
225	29.23									
224	27.29									
223	28.15									
221	67.00									
102	50.00									
100	127									
97	56.00	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borcher
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
157	162	3-4-25								
186	50.50									
200	25.12									
181	38.31									
180	40.36									
179	26.37									
145	30.50									
184	16.0									
53	42.20									
158	71.00									
206	44.60									
207	39.19									
204	36.74									
168	47.63									
171	44.22									
170	44.37									
89	30.56									
161	35.00									
163	29.58									
155	59.78									
166	61.34	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
157	162	3-4-25								
186	50.50									
200	25.12									
181	38.31									
180	40.36									
179	26.37									
145	30.50									
184	162									
53	42.20									
158	71.00									
206	44.60									
207	39.19									
204	36.74									
168	47.63									
171	44.22									
170	44.37									
89	30.56									
161	35.00									
163	29.58									
155	59.78									
166	61.34	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site Chiquita

Quarter / Year:	1ST QTR/2025
Technician	Stephen Borchers
Instrument	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
71	40.25	3-3-25								
32	35.26	↓								
57	40.28									
52	32.00									
47	28.43									
104	25.22	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1ST QTR / 2025
Technician:	Stephen Borchers	Stephen Borchers
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
211	53.48	3-5-25		3-15-25	18.49					
214	34.09				14.45					
215	33.06				11.00					
197	50.66				11.92					
99	41.03				24.15					
216	34.02				18.14					
217	78.25				12.69					
218	33.56				24.30					
225	29.23				19.34					
224	27.28				15.50					
223	28.35				17.93					
221	67.00				22.13					
102	50.00				16.39					
100	127				15.17					
97	56.00	↓		↓	12.35					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332605195

MONITORING DATE: 3-15-25 TIME 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.17 ppm	7.21 ppm	6.69 ppm

Background Value = 6.69 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.4 ppm	20 ppm	7
Calculate Response Time (1+2+3)/3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	0.1 ppm	25 ppm	0
#3	0.0 ppm	24.4 ppm	.6
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time 3-15-25 / 0700

RIDS
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 16320832

MONITORING DATE: 3-15-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.63 ppm	6.15 ppm	5.89 ppm

Background Value = 5.89 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

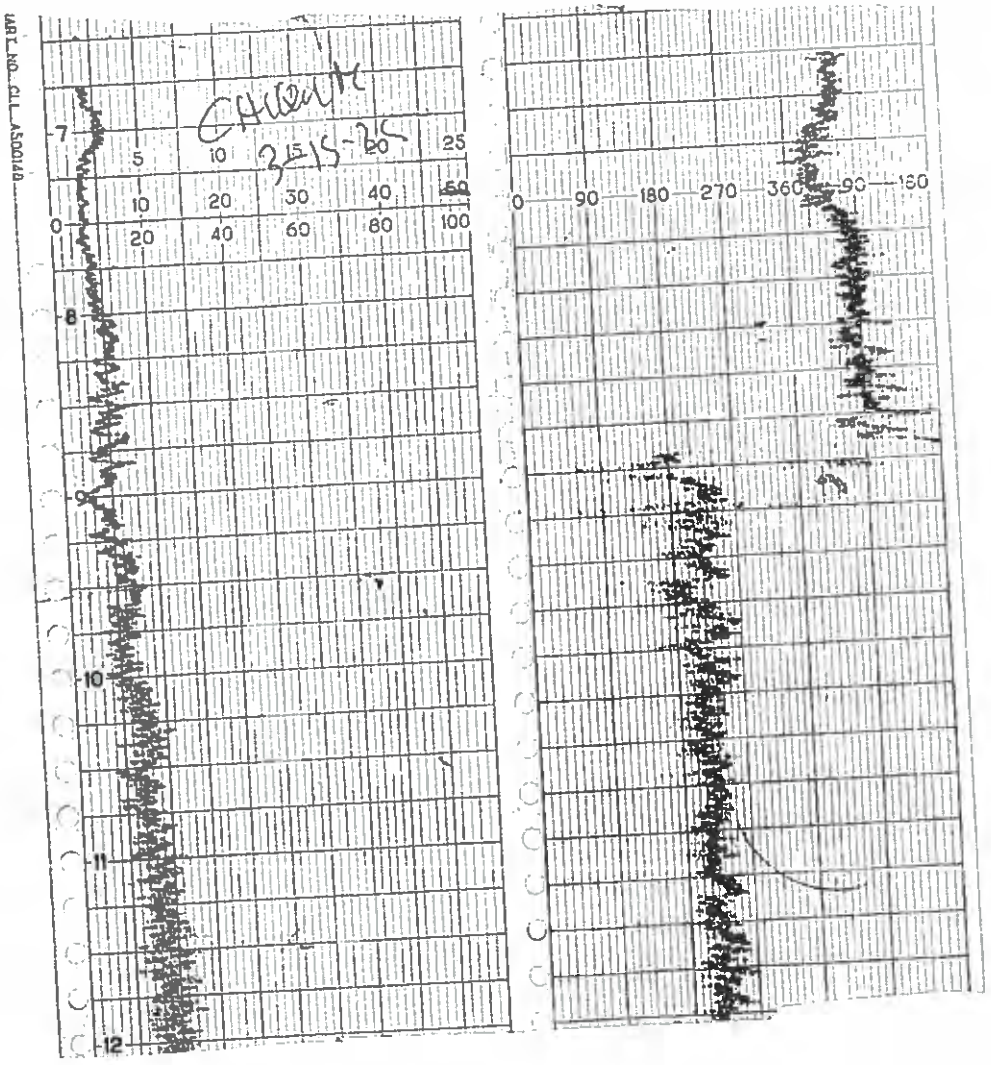
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24 ppm	1
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			.2% #DIV/0! Must be less than 10%

Performed By: Stephen Bordeaux Date/Time: 3-15-25 / 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1ST QTR/2025
Technician:	Stephen Borches	Stephen Borches
Instrument:	TVA1000	TVA1000
Calibration Standard:	25 ppm	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
237	25.26	3-4-25		3-15-25	18.70					
240	30.42				22.64					
245	56.75				20.99					
246	61.90				19.18					
221	320	↓		↓	12.90					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE Thermo

MODEL: TVA1000 EQUIPMENT # 36 SERIAL # 0332603195

MONITORING DATE: 3-15-25 TIME 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.17 ppm	7.21 ppm	6.69 ppm

Background Value = 6.69 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.4 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	0.1 ppm	25 ppm	0
#3	0.0 ppm	24.4 ppm	.6
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By Stephen Borchers Date/Time 3-15-25 / 0700

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 163208 32

MONITORING DATE: 3-15-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.63 ppm	6.15 ppm	5.89 ppm

Background Value = 5.89 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

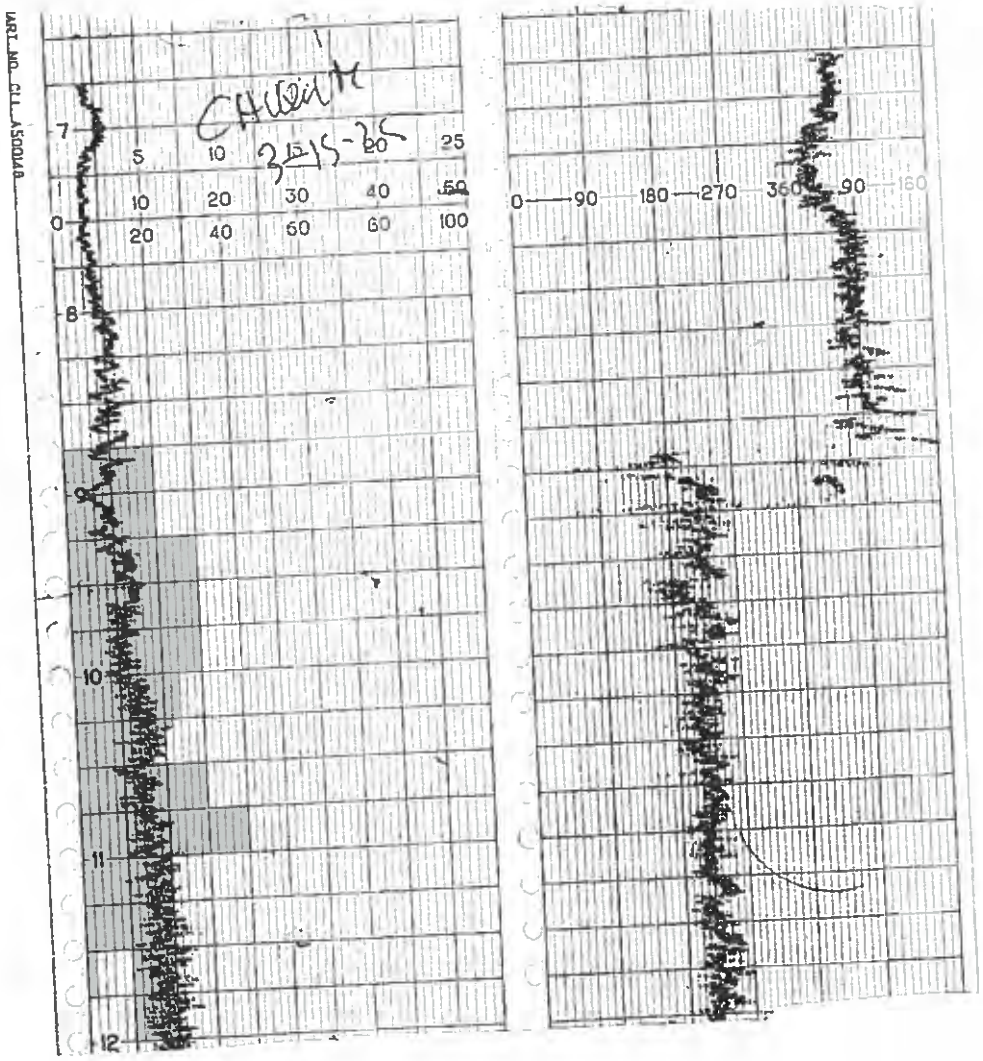
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24 ppm	1
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			.2% #DIV/0! Must be less than 10%

Performed By Stephen Barcklus. Date/Time 3-15-25 / 0700

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR /2025
Technician:	Stephen Rockers
Instrument:	TVA1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
174	Y62	CHFP041	1680	3-10-25								
173	Y63	RAMSP05	600									
173	Y64	CHFP030	600									
157	Y65	RAMSP04	657									
147	Y66	CCV24054	2,000									
265	Y67	NO Number	3,000									
161	Y68	CV24173	1,100									
77	Y7	CCV24120	605									
203	Y102	Pipe Connection	662									
169	Y103	Pipe Connection	500									
169	Y104	Surface	1,109									
169	Y105	Pipe surface	1,225									
169	Y106	Surface	557									
169	Y107	Surface	1,039									
168	Y108	Surface	1,003									
170	Y109	Surface	790									
170	Y110	HSPS3404	881									
171	Y111	CHCV2302	690									
171	Y112	Surface Pipe	581									
171	Y113	Surf Pump Pipe	520									
158	Y114	Surface	1,573									
158	Y115	Surface	1,017									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Burchett
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
53	Y116	H-1804	590	3-10-25								
53	Y117	Surface	513									
96	Y18	H1764S	590									
68	Y19	CV24202	801									
162	Y20	CV24199	731									
196	Y21	CV24105	843									
196	Y22	CV24185	509									
198	Y23	H2164A	781									
181	Y42	Surface	1,356									
181	Y43	Surface	723									
181	Y44	CV2351	5,475									
181	Y45	Surface	700									
181	Y46	CV24143	856									
181	Y47	3305048	913									
181	Y48	NOID	500									
175	Y49	CV24140	500									
175	Y50	Surface	200									
175	Y51	CV2353	800									
175	Y52	Surface	800									
175	Y53	NOID	5,232									
175	Y54	Surface	900									
176	Y55	NOID	2456									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Bachus
Instrument:	TVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
175	Y56	TD-51630	952	3-10-25								
176	Y57	surface	500									
176	Y58	surface	9,823									
177	Y59	surface	900									
156	Y60	NOID	913									
156	Y61	Surface	560									
156	Y62	NOID	900									
156	Y63	surface	500									
146	Y641	CV2449	500									
84	Y651	CV2462	800									
84	Y661	TD-40X-W	500									
84	Y671	H17	800									
30	Y681	Surface	600									
30	Y69	H-19555	500									
33	Y70	CV24109	600									
32	Y71	H-19565	900									
32	Y72	H-2168C	500									
32	Y73	NOID	500									
90	Y74	Surface	500									
83	Y83	CV2350	612									
85	Y85	CV24068	625									
86	Y86	CV24083	437	✓								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
79	4224	Surface	999									

3-10-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43342702	-118.651401	2025-03-10T16:02:54Z	Y102	Ppm662polesurface grd203
2	34.43364303	-118.650774	2025-03-10T16:21:24Z	Y103	Ppm683grd169surfacepipe
3	34.43371897	-118.650606	2025-03-10T16:31:33Z	Y104	Ppm1103grd169surface
4	34.43373498	-118.650617	2025-03-10T16:34:33Z	Y105	Ppm1225grd169surfacepipe
5	34.43371503	-118.650591	2025-03-10T16:41:29Z	Y106	Ppm557grd169surce
6	34.433711	-118.650264	2025-03-10T16:43:56Z	Y107	Ppm1039grd169surface
7	34.43374897	-118.650257	2025-03-10T16:46:29Z	Y108	Ppm997grd169surfce
8	34.43376599	-118.649945	2025-03-10T16:51:50Z	Y109	Ppm790grd170surface
9	34.43377102	-118.649923	2025-03-10T16:56:38Z	Y110	Ppm881grd170wellht53404
10	34.43407201	-118.649195	2025-03-10T17:05:31Z	Y111	Ppm690grd171wellchcv2302
11	34.43427301	-118.6492	2025-03-10T17:09:52Z	Y112	Ppm581grd171pipe
12	34.43435197	-118.648947	2025-03-10T17:14:08Z	Y113	Ppm520grd171pipe
13	34.434372	-118.648375	2025-03-10T17:19:57Z	Y114	Ppm1513grd158surface
14	34.43431199	-118.648359	2025-03-10T17:23:49Z	Y115	Ppm1117grd158surface
15	34.43540599	-118.645785	2025-03-10T17:48:21Z	Y116	Ppm590grd53well h1804
16	34.43548302	-118.645691	2025-03-10T18:02:58Z	Y117	Ppm513grd53surface
17	34.43242203	-118.645725	2025-03-10T18:43:49Z	Y18	Ppm590grd86well h1764s
18	34.43195097	-118.646265	2025-03-10T18:53:02Z	Y19	Ppm801grd88wellcv24202
19	34.43182197	-118.647318	2025-03-10T19:05:44Z	Y20	Ppm731grd162wellcv24199
20	34.43196899	-118.647664	2025-03-10T19:14:44Z	Y21	Ppm843grd196wellcv24105
21	34.43187403	-118.647872	2025-03-10T19:20:52Z	Y22	Ppm509grd196wellcv2419
22	34.43750398	-118.644893	2025-03-10T17:53:17Z	Y221	999Ppmgrd79
23	34.43240502	-118.645256	2025-03-10T19:37:03Z	Y23	Ppm781grd198wellh2164a
24	34.43521396	-118.650817	2025-03-10T15:25:09Z	Y42	1356Ppmgrd181surface
25	34.435177	-118.650801	2025-03-10T15:26:36Z	Y43	723Ppmgrd181urface
26	34.43508002	-118.650959	2025-03-10T15:27:59Z	Y431	4232Ppmgrd181surace
27	34.43516803	-118.651128	2025-03-10T15:31:53Z	Y44	5475Ppmgrd181wellCv2351
28	34.43499402	-118.651163	2025-03-10T15:33:43Z	Y45	700Ppmgrd181surface
29	34.435004	-118.651191	2025-03-10T15:34:48Z	Y46	856Ppmgrd181wellCv24143
30	34.43505504	-118.651346	2025-03-10T15:40:37Z	Y47	913Ppmgrd181well33050483
31	34.43502696	-118.65139	2025-03-10T15:43:46Z	Y48	500Ppmgrd181wellNoID
32	34.43469998	-118.651112	2025-03-10T15:49:20Z	Y49	500Ppmgrd175wellCV-24140
33	34.43460401	-118.651199	2025-03-10T15:51:26Z	Y50	700Ppmgrd175surface
34	34.43457602	-118.650918	2025-03-10T15:54:11Z	Y51	800Ppmgrd175wellCV2353
35	34.434631	-118.650878	2025-03-10T15:58:27Z	Y52	800Ppmgrd175surface
36	34.43456302	-118.650791	2025-03-10T15:59:53Z	Y53	5232Ppmgrd175wellNOID
37	34.43459496	-118.650626	2025-03-10T16:07:02Z	Y54	900Ppmgrd175surface
38	34.43460602	-118.650474	2025-03-10T16:10:33Z	Y55	2456Ppmgrd176wellNOID
39	34.43462396	-118.650296	2025-03-10T16:16:59Z	Y56	952Ppmgrd175wellTD-51L-30
40	34.43470602	-118.65021	2025-03-10T16:18:59Z	Y57	500Ppmgrd176surface
41	34.43474801	-118.650031	2025-03-10T16:23:40Z	Y58	9823Ppmgrd176surface
42	34.43521002	-118.649177	2025-03-10T16:41:18Z	Y59	900Ppmgrd177surface

43	34.43552099	-118.648881	2025-03-10T16:52:18Z	Y60	913Ppmgrd156wellNOID
44	34.43557397	-118.648829	2025-03-10T16:58:33Z	Y61	500Ppmgrd156surface
45	34.435378	-118.648348	2025-03-10T17:02:04Z	Y62	800Ppmgrd156wellNOID
46	34.43406698	-118.650636	2025-03-10T16:05:52Z	Y622	1680-Ppm grid 174-well chlfpo41
47	34.43536299	-118.648315	2025-03-10T17:04:23Z	Y63	500Ppmgrd156surface
48	34.43430997	-118.649659	2025-03-10T16:22:58Z	Y633	600-Ppm grid 173-well ramsp05
49	34.43449404	-118.64971	2025-03-10T16:33:36Z	Y64	600-Ppm grid 173-well chlfp030
50	34.43596297	-118.64718	2025-03-10T17:11:51Z	Y641	500Ppmgrd146wellCV2449
51	34.43475396	-118.648458	2025-03-10T16:44:53Z	Y65	657-Ppm grid 157-well ramsp04
52	34.43334999	-118.646162	2025-03-10T18:03:58Z	Y651	800ppmgrd84wellCV-2492
53	34.43566902	-118.647177	2025-03-10T17:08:55Z	Y66	2000-Ppm grid 147-well ccv24054
54	34.43353901	-118.646025	2025-03-10T18:10:28Z	Y661	500Ppmgrd84wellTD-40DL-40
55	34.43316702	-118.648485	2025-03-10T18:23:37Z	Y67	3000 Ppm grid 165-well no number
56	34.433192	-118.645655	2025-03-10T18:16:20Z	Y671	800Ppmgrd84wellH1764N
57	34.43293802	-118.647665	2025-03-10T18:34:40Z	Y68	1100-Ppm grid 161-well cv24173
58	34.43379901	-118.645519	2025-03-10T18:20:32Z	Y681	600Ppmgrd30surface
59	34.43390697	-118.645508	2025-03-10T18:22:40Z	Y69	500Ppmgrd30wellH-1955S
60	34.43686101	-118.647325	2025-03-10T17:30:38Z	Y7	605Ppmrid77cv24120
61	34.43402197	-118.644888	2025-03-10T18:29:20Z	Y70	600Ppmgrd33wellCV24109
62	34.43433101	-118.644768	2025-03-10T18:33:13Z	Y71	900Ppmgrd32wellH-1956B
63	34.43446898	-118.644828	2025-03-10T18:36:21Z	Y72	500Ppmgrd32wellH-2168-C
64	34.43458498	-118.645294	2025-03-10T18:39:15Z	Y73	500Ppmgrd32wellNOID
65	34.43331596	-118.646811	2025-03-10T18:48:39Z	Y74	500ppmgrd90surface
66	34.43293501	-118.651002	2025-03-10T17:19:09Z	Y83	612PPMGRD204WELLCV2350
67	34.43369298	-118.64834	2025-03-10T16:32:32Z	Y85	625PPMGRD167WEllCV24068
68	34.43369701	-118.648336	2025-03-10T16:38:29Z	Y86	Y86PPM437WEllCV24083

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR /2025	1st Quarter 2025	
Technician:	Stephen Bochers	D Hernandez	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500 ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
174	Y622	CHFFp041	1680	3-10-25		3/20/25	18.1					
173	Y623	RAMS P05	600				31.9					
173	Y624	CHFFp036	600				23.1					
157	Y625	RAMSP04	657				23.4					
147	Y626	CCV24054	2,000				168					
165	Y627	NO Number	3,000				46.5					
161	Y628	CV24173	1,100				6.1					
77	Y7	CCV24120	605				32.5					
203	Y102	Pipe Connection	662				113					
169	Y103	Pipe Connection	500				31.3					
169	Y104	Surface	1,109				483					
169	Y105	Pipe surface	1,225				421					
169	Y106	Surface	557				457					
169	Y107	Surface	1,039				11.1					
168	Y108	Surface	1,003				12.3					
170	Y109	Surface	790				301					
170	Y110	HSPS340	881				155					
171	Y111	CHCV2302	690				12.0					
171	Y112	Surface Pipe	581				33.4					
171	Y113	Surface pipe	520				19.9					
158	Y114	Surface	1,573				173					
158	Y115	Surface	1,017				55.1					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1st Quarter 2025	
Technician:	Stephen Burchett	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
53	Y116	H-1804	590	3-10-25		3/20/25	59.8					
53	Y117	Surface	513				15.2					
86	Y18	H61764S	590				11.9					
68	Y19	CV24202	801				11.4					
162	Y20	CV24199	771				111					
196	Y21	CV24105	843				28.1					
196	Y22	CV24185	509				31.1					
198	Y23	H2164A	781				40.8					
181	Y42	Surface	1,356				19.2					
181	Y43	Surface	723				14.8					
181	Y44	CV2357	5,475				13.7					
181	Y45	Surface	700				29.4					
181	Y46	CV24143	856				7.1					
181	Y47	3305048	913				23.8					
181	Y48	NOID	500				24.5					
175	Y49	CV24140	500				29.4					
175	Y50	Surface	700				54.7					
175	Y51	CV2357	800				12.1					
175	Y52	Surface	800				11.3					
175	Y53	NOID	5,232				97.4					
175	Y54	Surface	900				36.7					
176	Y55	NOID	2456				55.9					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1STQTR/2025	1st Quarter 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
175	Y56	TD-51630	952	3-10-25		3/20/25	20.1					
176	Y57	surface	500				16.8					
176	Y58	surface	9823				20.6					
177	Y59	surface	900				11.1					
156	Y60	NOID	913				40.4					
156	Y61	surface	560				39.1					
156	Y62	NOID	800				19.3					
156	Y63	surface	500				17.1					
146	Y641	CV2449	500				11.3					
84	Y651	CV2462	800				12.4					
84	Y661	TD-40DL-W	500				17.6					
84	Y671	H17	800				43.4					
30	Y681	surface	600				12.6					
30	Y69	H-19555	500				41.3					
33	Y70	CV24109	600				13.8					
32	Y71	H-19561	900				23.5					
32	Y72	H-2168C	500				22.5					
32	Y73	NOID	500				97.1					
90	Y74	surface	500				9.6					
83	Y83	CV2350	612				136					
85	Y85	CV24068	625				136					
86	Y86	CV24083	5778				42.1					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1ST QUARTER 2025	
Technician:	Stephen Borchers	D. Hernandez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
.79	4221	Surface	999	3-10-25		3/20/25	97.8					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-20-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.6 ppm	3.9 ppm	3.2 ppm

Background Value = 3.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3)/3			6.0 #DIV/0! Must be less than 30 seconds

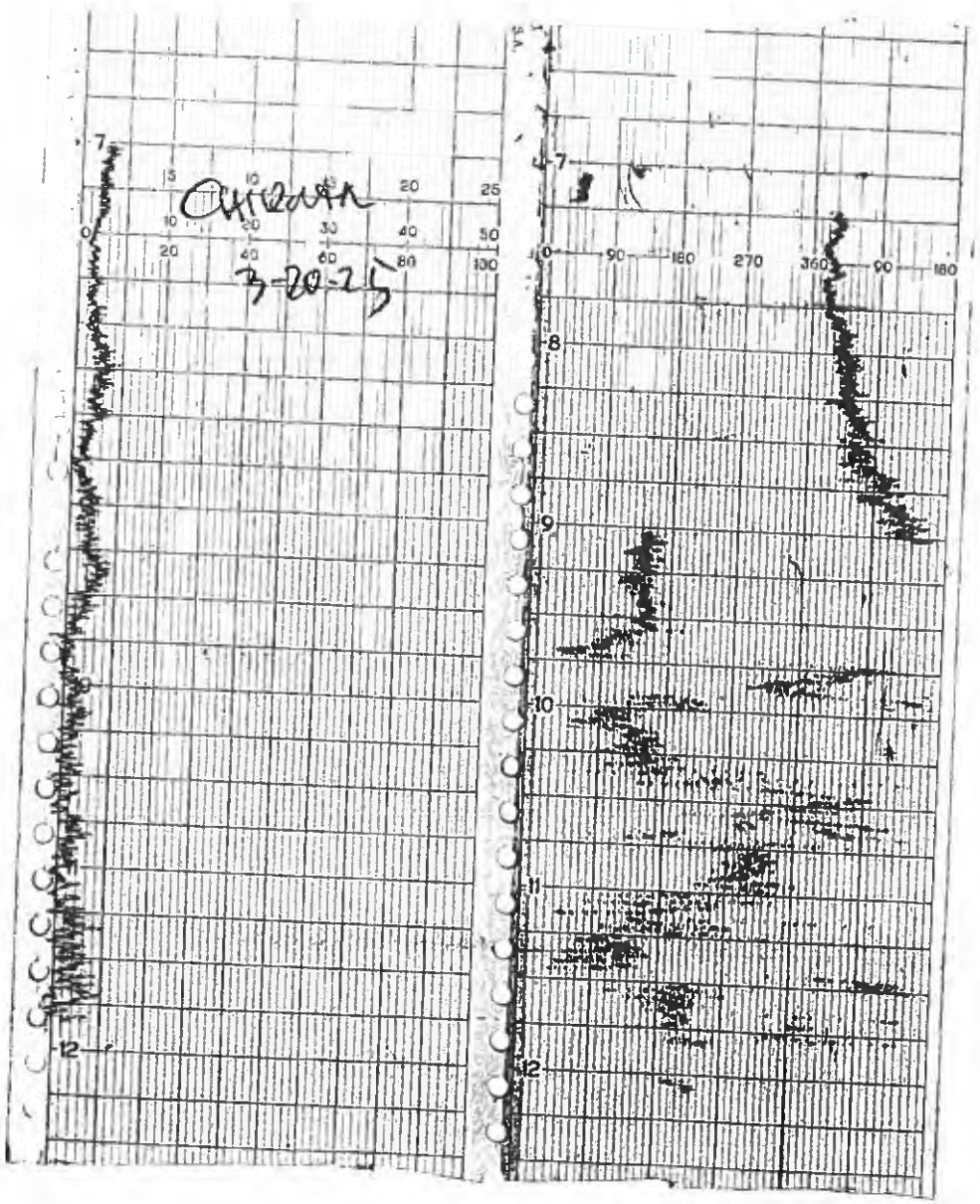
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.49 ppm	501 ppm	1
#2	0.51 ppm	501 ppm	1
#3	0.50 ppm	501	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: D. Hazlewood Date/Time: 0700

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1st Quarter 2025	
Technician:	Stephen Bacchus	D Hernandez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500 ppm	500PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
231	Y81	Surface	551	3-11-25		3/20/25	265					
231	Y82	CV24247	603				371					
231	Y83	CH42305N	590				70.5					
230	Y84	surface	1,045				249					
229	Y85	surface	780				36.7					
227	Y86	surface	559				146					
59	Y41	CV29111	500				15.6					
60	Y42	TDGEL090	600				59.4					
60	Y43	NOID	500				130					
61	Y44	NOID	500				7.8					
40	Y45	CV2012	900				235					
63	Y46	Surface	500				14.9					
63	Y47	surface	600				11.8					
63	Y48	CV3520	725				44.8					
63	Y49	CV530	3,429				123					
44	Y161	C-11	500				13.9					
65	Y162	C-26	750				117					
101	Y61	H2058E	650				106					
103	Y62	H2056D	900				126					
37	Y1	H2169E	664				71.3					
37	Y2	CV2205	616				54.6					
38	Y101	CV2418	5,000				192					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	1st Quarter 2025	
Technician:	Stephen Burchett	D. Hernandez	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
38	Y102	CV1703	1,900	3-11-25		3/20/25	8.6					
92	Y103	CV81	1,600	↓		↓	92.3					
51	Y104	CV06	1,000	↓		↓	51.7					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-20-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.6 ppm	3.9 ppm	3.2 ppm

Background Value = 3.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6.0 #DIV/0! Must be less than 30 seconds

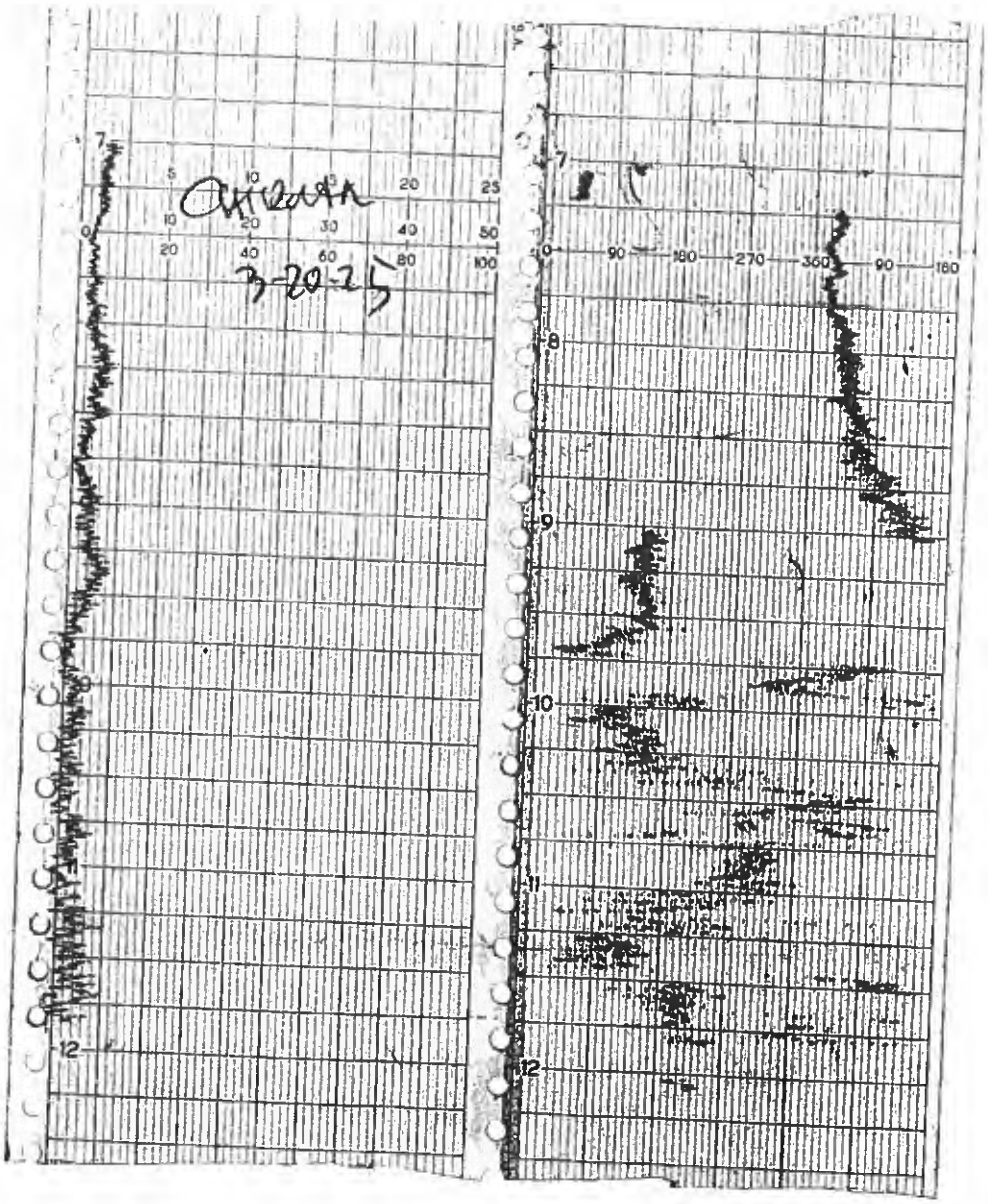
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.49 ppm	501 ppm	1
#2	0.51 ppm	501 ppm	1
#3	0.50 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: D. Hazelwood Date/Time: 0700

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Page 1 of 1 Pages

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
80	69.49	3-17-25								
174	82.68									
81	42.36									
82	43.00									
172	31.32									
159	98.99									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Page | of | Pages |

Quarter / Year:	1ST QTR / 2025	1ST QTR / 2025
Technician:	Stephen Borches	Stephen Borches
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25 ppm	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
80	69.49	3-17-25		3-25-25	23.07					
174	82.68				24.20					
81	42.36				14.36					
82	43.00				24.60					
172	31.32				19.84					
159	98.89				12.20					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: L1 SERIAL #: 1045045571

MONITORING DATE: 3-25-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.89 ppm	8.13 ppm	8.01 ppm

Background Value = 8.01 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.3 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

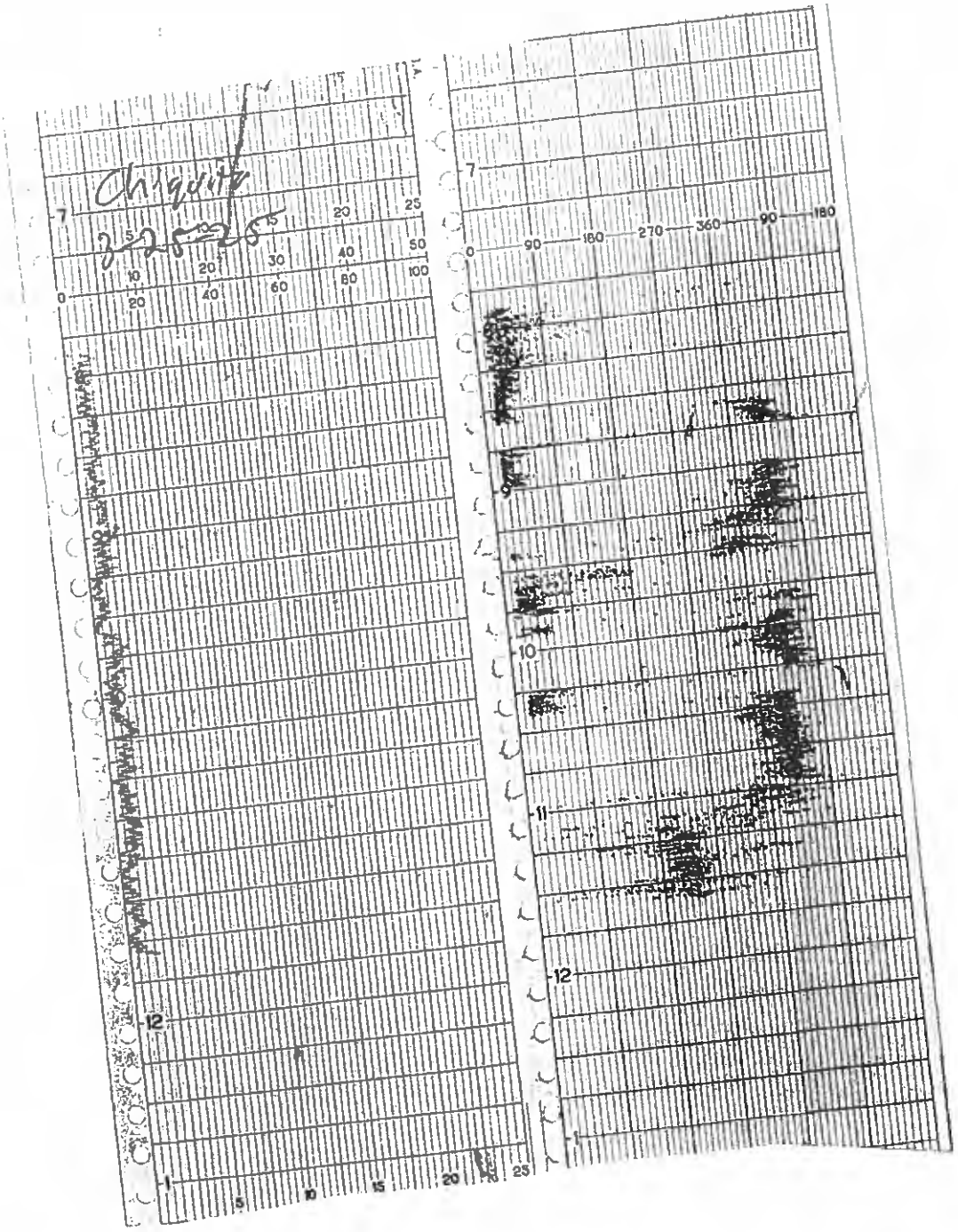
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	0.1 ppm	25 ppm	0
#3	0.0 ppm	24.3 ppm	.7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2.1% #DIV/0! Must be less than 10%

Performed By Stephen Borchers. Date/Time 3-25-25 / 0800

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	1st Qtr / 2025	1st Quarter 2025	
Technician:	Stephen Baker	D Hernandez	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
166	Y200	CV24033	1,000	3-19-25		3/26/25	380					
93	Y21	CV24093	600				21.3					
214	Y1	H2163W	900				14.3					
214	Y2	CV24227	800				19.7					
214	Y3	H2054W	900				54.8					
214	Y4	H2161W	600				163					
215	Y5	Surface	800				313					
208	Y41	Surface/pipe	557				43.8					
208	Y42	TD197	623				343					
204	Y43	Surface/pipe	590				8.0					
204	Y44	Surface/pipe	743				101					
207	Y45	Surface/pipe	815				9.1					
166	Y46	Abandon well	747				26.9					
167	Y47	TD165	690				56.3					
168	Y48	Surface/pipe	768				33.4					
187	Y121	Surface	2133				5.8					
184	Y122	NOID	4213				7.7					
184	Y123	CV24009	4123				7.2					
186	Y124	NOID	723				7.1					
187	Y125	TP44DL44	742				9.1					
187	Y126	NOID	800				13.9					
79	Y41	CV24466	500	✓		↓	9.7					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	1ST QTR / 2025				1st Quarter 2025								
Technician:	Stephen Bruchez				D Hernandez								
Instrument:	TVA 1000				TVA 1000								
Calibration Standard:	500 ppm				500 PPM								
Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days				
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	
147	Y82	CV24054	510	3-19-25		3/26/25	450						
157	Y83	CV24046	521	↓		↓	101						
173	Y84	Unknown	561				8.3						
173	Y85	Surface	539				8.9						
174	Y86	CHIEDO41	522	↓		↓	8.1						

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 7784545

MONITORING DATE: 3-26-25 TIME: 0830

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.1 ppm	3.5 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	5
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

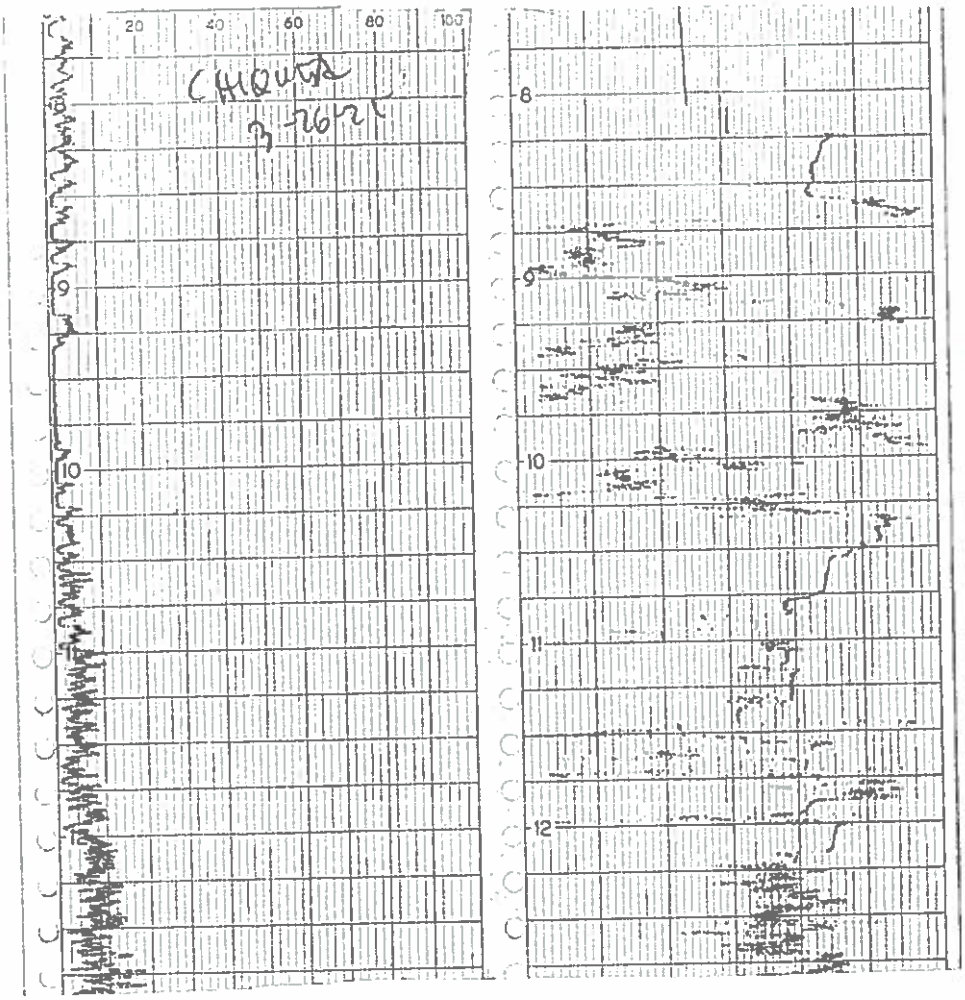
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.45 ppm	501 ppm	1
#2	0.46 ppm	501 ppm	1
#3	0.51 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 3-26-25 0830

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	1st Qtr / 2025
Technician:	Stephen Barnes
Instrument:	TVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
166	Y100	CV24083	1,000	3-19-25								
93	Y21	CV24093	600									
214	Y1	H2163W	900									
214	Y2	CV24227	800									
214	Y3	H2054W	900									
214	Y4	H2161W	600									
215	Y5	surface	900									
208	Y41	surface/pipe	557									
208	Y42	TD197	623									
204	Y43	surface/pipe	590									
204	Y44	surface/pipe	743									
207	Y45	surface/pipe	815									
166	Y46	Abandoned well	747									
167	Y47	TD165	690									
168	Y48	surface/pipe	768									
137	Y121	surface	2133									
184	Y122	NOID	4213									
184	Y123	CV24009	4123									
186	Y124	NOID	723									
187	Y125	TP44044	742									
187	Y126	NOID	800									
79	Y61	CV24463	500	✓								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	1st QTR / 2025
Technician:	Stephen Burchett
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
147	Y82	CV2405	510	3-16-25								
157	Y83	CV2406	521	↓								
173	Y84	unknown	561									
173	Y85	surface	539									
174	Y86	CNLFD041	522									

3-19-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.431222	-118.649878	2025-03-19T17:25:21Z	Y01	900 Ppm grid 214-well h2163w
2	34.43103701	-118.649767	2025-03-19T17:33:43Z	Y02	800Ppm grid 214-well cv24227
3	34.43113902	-118.650244	2025-03-19T17:41:03Z	Y03	900Ppm grid 214-well h2059w
4	34.43098303	-118.650246	2025-03-19T17:46:09Z	Y04	600 Ppm grid 214-well h2161w
5	34.43103299	-118.650544	2025-03-19T17:52:29Z	Y05	800Ppm grid 215-surface
6	34.43624804	-118.650451	2025-03-19T16:51:57Z	Y121	2133Ppmgrd187surface
7	34.43607797	-118.650145	2025-03-19T17:09:29Z	Y122	4213Ppmgrd184wellnoid
8	34.43693301	-118.649348	2025-03-19T17:45:03Z	Y123	4123Ppmgrd184wellCV-24009
9	34.43663201	-118.649532	2025-03-19T17:54:21Z	Y124	723Ppmgrd186wellnoid
10	34.43606498	-118.649365	2025-03-19T18:06:06Z	Y125	742Ppmgrd187wellTd:44DL:44
11	34.43571302	-118.649244	2025-03-19T18:09:06Z	Y126	800Ppmgrd187wellnoid
12	34.43373799	-118.648322	2025-03-19T17:36:04Z	Y200	1000Ppmgrd166wellcv24083
13	34.43404997	-118.646347	2025-03-19T16:12:10Z	Y21	Ppm600wellcv2403grid83
14	34.43257802	-118.65059	2025-03-19T16:29:51Z	Y41	Ppm550grd208surfacepipe
15	34.43233897	-118.650559	2025-03-19T16:38:21Z	Y42	Ppm623grd208wellTD93
16	34.43271901	-118.650632	2025-03-19T16:53:43Z	Y43	Ppm590grd204surfacepipe
17	34.43283602	-118.650874	2025-03-19T17:04:15Z	Y44	Ppm743grd204surfacepipe
18	34.43237702	-118.651092	2025-03-19T17:16:58Z	Y45	Ppm815grd207surfacepipe
19	34.43370497	-118.648463	2025-03-19T18:10:09Z	Y46	Ppm747grd166wellabandondwell
20	34.43332099	-118.649353	2025-03-19T18:23:19Z	Y47	Ppm690grd167welltd165
21	34.43307398	-118.649835	2025-03-19T18:33:58Z	Y48	Ppm798grd168surfacepipe
22	34.43767296	-118.646501	2025-03-19T16:14:27Z	Y81	Ppm500grid78wellcvsm4963
23	34.43566198	-118.647166	2025-03-19T16:53:34Z	Y82	Ppm500ggrid147wellcv24054
24	34.43513098	-118.648345	2025-03-19T17:11:49Z	Y83	Ppm500grid157cv24046
25	34.43445104	-118.649902	2025-03-19T17:36:27Z	Y84	Ppm500grid173unknownsurface
26	34.43443604	-118.650014	2025-03-19T17:47:25Z	Y85	Ppm500grid173usurface
27	34.43403396	-118.650634	2025-03-19T17:54:48Z	Y86	Ppm500grid174wellchlfp041

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 3-18-25 | Weather Conditions Sunny & Clear

Technician Robert Johns | Temp 65 °F

Inst.: GEM Model 5000 | Wind Speed (MPH) & Direction 12 / N

Serial # GA5005S0 | Barometric Pressure 30.25 in Hg

Probe Number	Time	Date	CH4% (% Vol)	CO2%	O2%	Bal %	Evac Pumps	Pressure (+/- in w.c.)	Comments
GP-A - 10	0924	3-18-25	0.0	0.1	21.8	78.1	6	-.46	
51	0926		0.0	0.1	21.8	78.1	19	-.07	
102	0928		0.0	0.1	21.7	78.2	39	-.02	
151.5	0930		0.0	0.1	21.7	78.3	95	-.41	
GP-1R - 26	1108		0.0	0.1	21.0	78.9	16	.0	
38	1111		0.0	0.1	21.2	78.7	25	+.01	
47	1113		0.0	0.1	21.1	78.8	18	-.03	
GP-2 - 15.5	1054		0.0	0.2	17.7	82.1	16	+.02	
44.5	1101		0.0	0.2	21.3	78.5	18	.0	
53	1103		0.0	0.1	21.5	78.4	19	-.01	
GP-5 - 10	1042		0.0	3.9	17.6	78.2	6	-.04	
45	1044		0.0	0.1	21.5	78.4	18	-.13	
93	1046		0.0	7.9	13.4	78.8	64	-.0	
GP-6 - 10	1034		0.0	0.4	20.9	78.7	6	.0	
30	1036		0.0	0.9	20.7	78.4	20	-.06	
60	1038		0.0	0.1	21.3	78.7	41	-.93	
GP-7 - 10	1026		0.0	0.4	20.5	79.2	6	-.06	
30	1028		0.0	1.6	17.2	81.2	20	-.12	
60	1030		0.0	0.1	21.2	78.7	41	-.76	
GP-8 - 10	1015		0.0	0.5	21.0	78.6	6	.0	
60	1017		0.0	0.1	21.1	78.8	41	-.73	
120	1019		0.0	0.1	21.3	78.6	75	-2.34	
GP-9 - 25	1007		0.0	0.1	21.4	78.5	16	-.52	
55	1009		0.0	0.1	21.4	78.5	20	-.44	
83	1011		0.0	0.1	21.4	78.5	51	-.09	
GP-10 - 22	0935		0.0	2.2	19.0	78.8	17	-.10	
37	0937		0.0	1.4	18.6	80.1	26	-1.45	
63	0939		0.0	0.1	21.6	78.4	42	-1.15	
87	0941		0.0	0.1	21.6	78.4	59	-1.03	
GP-11 - 10	0909		0.0	0.8	21.4	77.8	6	-.67	
70	0911		0.0	1.6	20.5	77.9	49	-1.70	
141	0915		0.0	0.1	22.2	77.7	102	-1.90	
208	0917	V	0.0	0.1	22.1	77.8	137	-1.28	

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 3-18-25 Weather Conditions Sunny & Clear

Technician Richard Jolliff Temp 65 °F

Inst GEM Model 5200 Wind Speed (MPH) & Direction 12 / N

Serial # G5C0530 Barometric Pressure 30.25 in Hg

Probe Number	Time	Date	CH4% (% Vol)	CO2%	O2%	Bal.%	Evac Pumps	Pressure (+/- in. w.c.)	Comments
GP-12 - 12	0856	3-18-25	0.0	0.2	22.3	77.6	4	-.01	
38	0858		0.0	0.1	22.4	77.5	26	+.30	
74	0900		0.0	0.1	22.5	77.5	50	+.05	
110	0902		0.0	0.1	22.5	77.5	75	-.05	
224	0904		0.0	0.1	22.5	77.5	171	+.26	
GP-13 - 10	0800		0.0	7.6	14.6	77.8	6	-.01	
29	0806		0.6	20.4	5.8	73.2	19	-.11	
58	0812		19.7	15.8	9.0	55.4	39	-.96	
87	0817		20.1	9.5	7.5	62.9	59	-1.04	
173	0822		0.0	0.1	21.6	78.4	109	-1.62	
GP-14 - 10	0834		0.0	0.2	21.3	78.5	6	-.01	
23	0836		0.0	0.4	20.8	78.8	15	+.01	
44	0838		0.0	2.0	18.1	80.0	30	-.11	
67	0842		2.9	5.6	10.8	80.7	46	-.41	
134	0844		0.0	0.1	21.9	78.0	92	-1.73	

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

GEM 5000 CALIBRATION

TECHNICIAN: ROBERT JOHNS

CALIBRATION DATE: 3/18/2025

SITE: CHIQUITA CANYON LANDFILL

TIME: 5:00AM

GEM 5000 SERIAL #: G500530

		UNCORRECTED READING	CORRECTED READING
CH_4	15%	15%	15%
CO_2	15%	15%	15%
O_2	4%	4%	4%

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Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borches
Instrument:	TVA 1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
171	35.71	3-24-25								
169	103									
181	48.45									
151	71.03									
176	32.00									
166	39.40									
184	77.46									
202	30.52									
149	29.72									
147	54.50									
82	131									
83	32.92									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	1ST QTR / 2025	2nd QTR / 2025											
Technician:	Stephen Borches	Stephen Borches											
Instrument:	TVA1000	FLA1000											
Calibration Standard:	25ppm	25ppm											
Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days						
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm			
171	35.71	3-24-25		4-3-25	12.61								
169	103				15.05								
181	48.45				14.40								
151	71.03				10.90								
176	32.00					31.50							
166	39.40				22.40								
184	77.46				11.03								
202	30.52				14.20								
149	29.72					30.40							
147	54.50				6.21								
82	13.1				7.30								
83	32.92				9.40								

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-3-25 TIME 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.43 ppm	6.13 ppm	5.78 ppm

Background Value = 5.78 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.4 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.4 ppm	.6
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By: Stephen Borders Date/Time 4-3-25 / 0730

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 7 SERIAL #: 0720723627

MONITORING DATE: 4-3-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.73 ppm	7.57 ppm	7.12 ppm

Background Value = 7.12 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

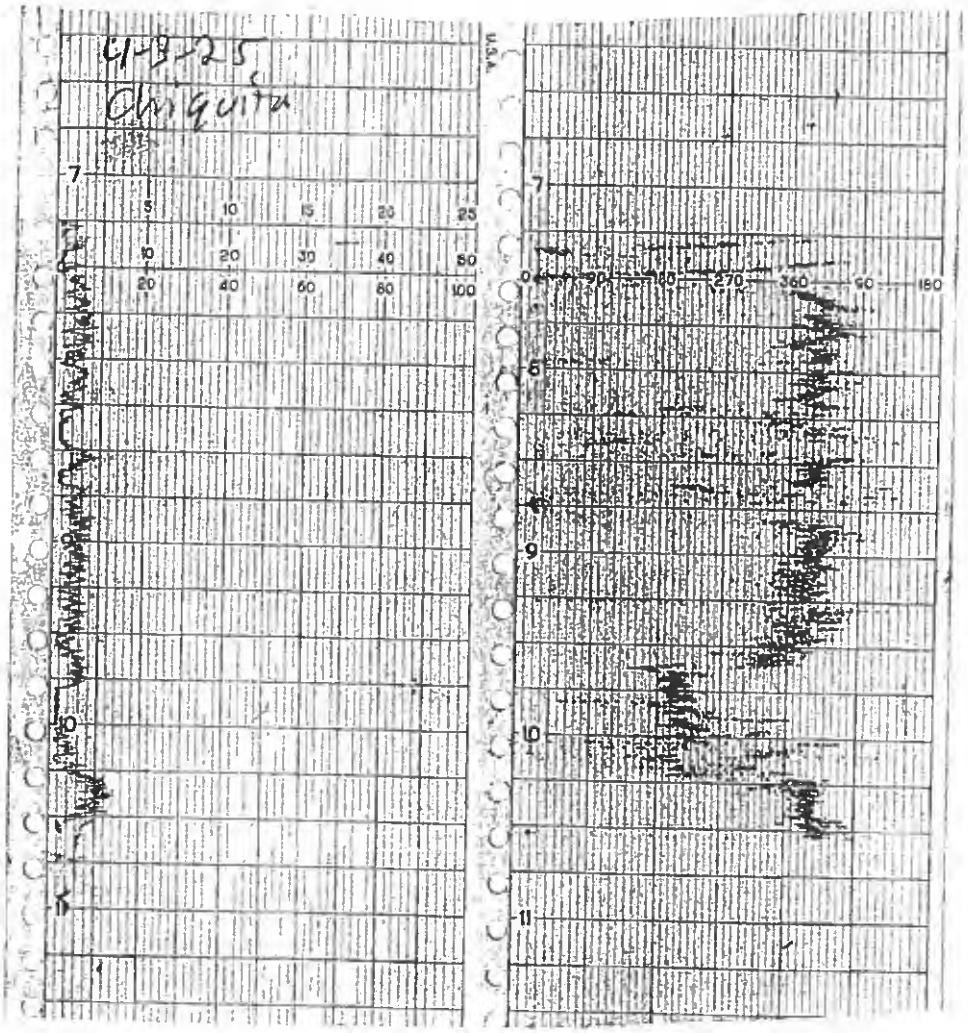
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24 ppm	1
#2	0.1 ppm	25 ppm	0
#3	1.1 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By: Stephen Brookes Date/Time: 4-3-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Barnes
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
77	34.72	3-25-25								
80	33.07	↓								
209	36.36									
210	38.28									
211	78.85									
197	32.93									
163	34.75									
84	30.55									
167	40.00									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	2nd QTR / 2025
Technician:	Stephen Barnes	Stephen Barnes
Instrument:	TVA 1000	TVA1000
Calibration Standard:	25ppm	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd >25 ppm
77	34.72	3-25-25		4-3-25	21.09					
80	33.07					47.02				
209	36.36				13.50					
210	38.28				22.45					
211	78.85				21.99					
197	32.93				22.60					
163	34.75				22.78					
84	30.55				18.40					
167	40.00	↓		↓	13.60					

RES Environmental Inc

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-3-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.43 ppm	6.13 ppm	5.78 ppm

Background Value = 5.78 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.4 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.4 ppm	.6
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By Stephen Borchers Date/Time 4-3-25 / 0730

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquito INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 7 SERIAL # 0720723627

MONITORING DATE: 4-3-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.73 ppm	7.57 ppm	7.12 ppm

Background Value = 7.12 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

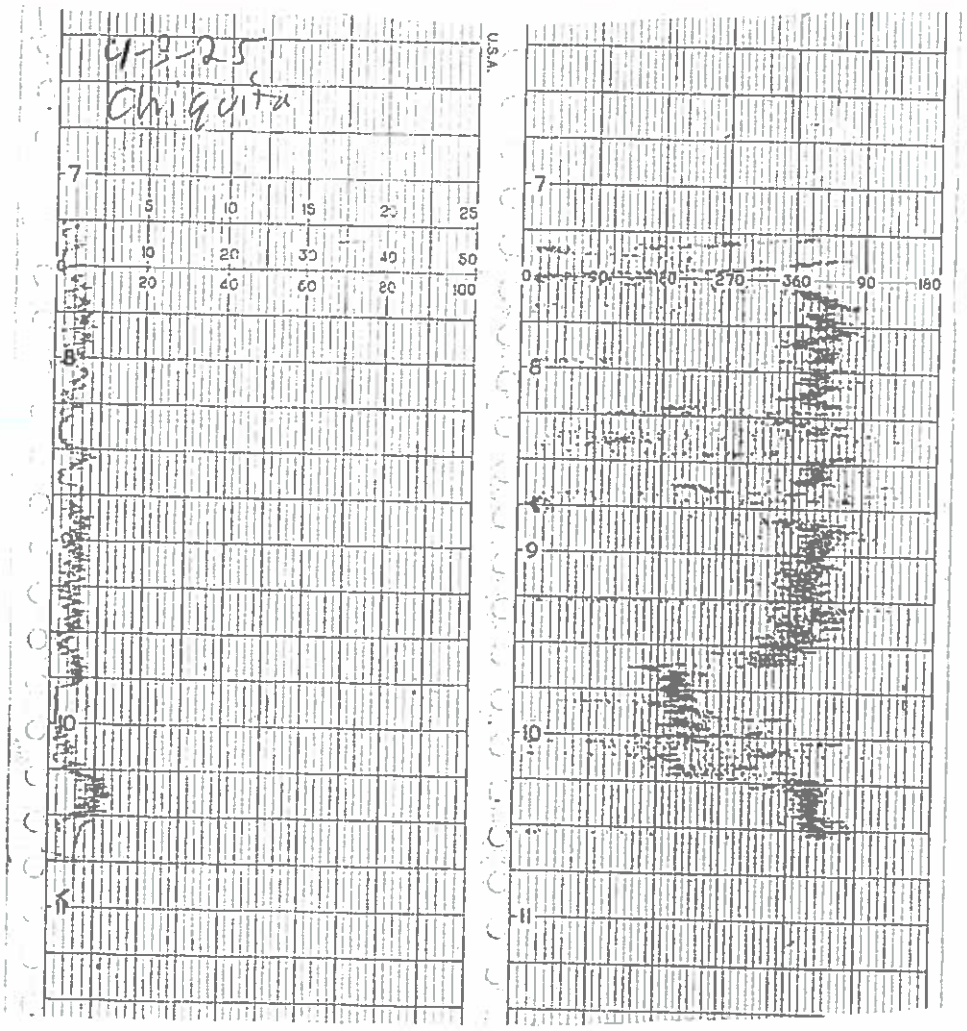
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24 ppm	1
#2	0.1 ppm	25 ppm	0
#3	1.1 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By Stephen Bivins Date/Time 4-3-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
173	Y41	CHEFP039	591	3-26-25								
157	Y42	24-V135	886									
147	Y43	CCV24054	986									
178	Y1	CV24020	1,730									
165	Y5	CV24170	500									
208	Y8	208	600									
89	Y101	Surface	643									
89	Y102	Surface	Y607									
162	Y103	CV24199	706									
214	Y104	Pipe/surface	553									
214	Y105	Pipe/surface	503									
214	Y106	surface	499									
215	Y107	Surface	517									
194	Y108	CV24116	501									
171	Y61	CV24060	3,000									
148	Y62	CV2305	2,000									
53	Y63	H1804A	1,300									
53	Y64	TD205	1,500									
81	Y65	H19550	800									
82	Y66	NO Name	4,000									
154	Y67	CV2484	3,000									
166	Y68	CV24083	4,000	√								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/ 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
166	Y69	Abandon	4,000	3-26-25								
167	Y70	CV2301	1,800									
167	Y71	CV24068	4,000									
204	Y72	CV2350	2,000									
207	Y73	Pipe	4,000									
181	Y21	Steelpipe	7,831									
181	Y22	Steelpipe	20,000									
181	Y23	CV2352	10,000									
181	Y24	Steelpipe	30,000									
175	Y25	CV24134	1,600									
175	Y26	CV24140	10,000									
175	Y27	Steelpipe	60,000									
175	Y28	CV23424	2,200									
176	Y29	CV1602A	2,000									
176	Y30	CV2339	2,600									
156	Y31	CV24039	16,000									
156	Y32	Steelpipe	4,300									
156	Y33	RAMSP02	13,000									
156	Y34	RAMSP03	4,072									
156	Y35	CV24040	2,400									
150	Y36	RAMSP01	4,600									
150	Y37	CV2306	600									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025		
Technician:	Stephen Borchers		
Instrument:	TVA 1000		
Calibration Standard:	500ppm		

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
150	438	CV24028	10,080	3-26-25								
145	439	CCV24030	1,200									
145	440	1952 N	2,200									
77	4161	CCNSMH02	2,017									
77	4162	Unmarked	587									
77	4163	CCNSMH01	568									
78	4164	CV24122	623									
78	4165	Steelpipe	7,200									
78	4166	surface	1,000									
79	4177	CV48R	2,150									
80	4178	H1	1,500	✓								
173	441	CHIFP054	591									
157	442	29-4/135	886									
147	443	CCV24054	986									

3-26-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43605701	-118.64936	2025-03-26T17:27:51Z	Y1	Ppm1730grd178
2	34.43262203	-118.646225	2025-03-26T16:01:04Z	Y101	Ppm643grd89surface
3	34.43263996	-118.646313	2025-03-26T16:05:19Z	Y102	Ppm1607grd89surface
4	34.43184896	-118.647318	2025-03-26T16:44:14Z	Y103	Ppm706grd162wellcv-24199
5	34.43099502	-118.649838	2025-03-26T17:40:15Z	Y104	Ppm553grd214surface/pipe
6	34.43111898	-118.650387	2025-03-26T17:56:29Z	Y105	Ppm503grd214surfacepipe
7	34.431236	-118.650396	2025-03-26T18:01:39Z	Y106	Ppm499grd214surface
8	34.43126298	-118.650451	2025-03-26T18:05:15Z	Y107	Ppm512grd215surface
9	34.43172097	-118.645723	2025-03-26T18:38:34Z	Y108	Ppm501grd194wellcv-24116
10	34.43695002	-118.647682	2025-03-26T18:20:38Z	Y161	2017Ppmgrd77wellccnsmp02
11	34.43701196	-118.647646	2025-03-26T18:26:43Z	Y162	587Ppmgrd77wellunmarked
12	34.437262	-118.646956	2025-03-26T18:33:35Z	Y163	568Ppmgrd77wellccnsmp01
13	34.43732126	-118.6467459	2025-03-26T18:37:46Z	Y164	623PPM CV24122
14	34.43718798	-118.646607	2025-03-26T18:40:07Z	Y165	623Ppmgrd78wellcv24122
15	34.43768998	-118.646417	2025-03-26T18:47:46Z	Y166	1000Ppmgrd78surface
16	34.437349	-118.645864	2025-03-26T18:51:08Z	Y167	2150Ppmgrd79wellcv48r
17	34.43777002	-118.644203	2025-03-26T18:57:41Z	Y168	1500Ppmgrd80wellh1
18	34.43510802	-118.650925	2025-03-26T15:59:50Z	Y21	7831Ppmgrd181steelpipe
19	34.43488698	-118.65093	2025-03-26T16:02:37Z	Y22	70000Ppmgrd181steelpipe
20	34.43490802	-118.651036	2025-03-26T16:06:02Z	Y23	10000Ppmgrd181wellcv2352
21	34.43517298	-118.651153	2025-03-26T16:10:00Z	Y24	30000Ppmgrd181steelpipe
22	34.43436404	-118.651208	2025-03-26T16:24:48Z	Y25	1600Ppmgrd175wellcv24138
23	34.43472899	-118.651111	2025-03-26T16:29:41Z	Y26	10000Ppmgrd175wellcv24140
24	34.43457702	-118.650769	2025-03-26T17:07:18Z	Y27	60000Ppmgrd175steelpipe
25	34.43428801	-118.650836	2025-03-26T16:35:11Z	Y28	2700Ppmgrd175wellcv2342a
26	34.43466101	-118.650301	2025-03-26T16:41:12Z	Y29	2000Ppmgrd176wellcv1902a
27	34.43490199	-118.650481	2025-03-26T16:44:17Z	Y30	2600Ppmgrd176wellcv2338
28	34.43534397	-118.64868	2025-03-26T17:00:34Z	Y31	16000Ppmgrd156wellcv24039
29	34.43554597	-118.648866	2025-03-26T17:13:24Z	Y32	4300Ppmgrd156steelpipe
30	34.43557899	-118.648878	2025-03-26T17:15:29Z	Y33	13000Ppmgrd156wellramsp02
31	34.435436	-118.648338	2025-03-26T17:18:40Z	Y34	4032Ppmgrd156wellramsp03
32	34.43570204	-118.648387	2025-03-26T17:21:43Z	Y35	2100Ppmgrd156wellcv24040
33	34.43607998	-118.648325	2025-03-26T17:45:02Z	Y36	4600Ppmgrd150wellrasmp01
34	34.43612801	-118.648412	2025-03-26T17:47:49Z	Y37	600Ppmgrd150wellcv2206
35	34.43639003	-118.648486	2025-03-26T17:55:05Z	Y38	60000Ppmgrd150wellcv24028
36	34.43669303	-118.647911	2025-03-26T18:04:00Z	Y39	1300Ppmgrd145wellccv24030
37	34.43636396	-118.647659	2025-03-26T18:11:23Z	Y40	2200Ppmgrd145well1952n
38	34.43433998	-118.649521	2025-03-26T16:17:20Z	Y41	Ppm591grid173wellchifp039
39	34.43476603	-118.648402	2025-03-26T16:34:54Z	Y42	Ppm886grid157well29-1/135
40	34.435695	-118.647167	2025-03-26T16:45:27Z	Y43	986ppmgrid147ccv24054well
41	34.43313701	-118.648487	2025-03-26T16:49:50Z	Y5	Y5 PPM500WEllCV24170
42	34.43405399	-118.648764	2025-03-26T15:55:37Z	Y61	3000PPM CV24060

43	34.43525202	-118.646493	2025-03-26T16:25:57Z	Y62	2000-Ppm grid 148-well cv2305
44	34.43540398	-118.645789	2025-03-26T16:36:30Z	Y63	1300Ppm grid 53-well h1804a
45	34.43539199	-118.645773	2025-03-26T16:39:26Z	Y64	1500-Ppm grid 53-well td 205
46	34.43508396	-118.645424	2025-03-26T16:54:33Z	Y65	800Ppm grid 81-well h19550
47	34.43430402	-118.645726	2025-03-26T17:04:00Z	Y66	4000Ppm grid 82-well no name
48	34.43393497	-118.64803	2025-03-26T17:46:26Z	Y67	3000Ppm grid 159-well cv2484
49	34.43374302	-118.648358	2025-03-26T17:54:38Z	Y68	4000-Ppm grid 166-well cv24083
50	34.43373296	-118.648478	2025-03-26T18:00:28Z	Y69	4000Ppm grid 166-well abandon
51	34.43357203	-118.649196	2025-03-26T18:16:32Z	Y70	1800Ppm grid 167-well cv2301
52	34.43332502	-118.649321	2025-03-26T18:24:01Z	Y71	4000Ppm grid 167-well cv24068
53	34.43283199	-118.650877	2025-03-26T18:40:09Z	Y72	2000-Grid 204-well cv2350
54	34.43272202	-118.651325	2025-03-26T18:50:13Z	Y73	4000-Ppm grid 207-pipe comming up
55	34.432315	-118.650586	2025-03-26T18:06:13Z	Y8	Y8PPM600WEll208

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	2nd QTR / 2025									
Technician:	Stephen Borchers	Stephen Borchers									
Instrument:	TVA 1000	TVA 1000									
Calibration Standard:	500 ppm	500 ppm									
Initial Monitoring Event					**First Re-Monitoring Event – 10 Days**				**Second Re-Monitoring Event – 10 Days**			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
173	Y41	CHSFP039	591	3-26-25		4-3-25	4.87					
157	Y42	24-Y135	886				141					
147	Y43	CCV24054	986				18.95					
178	Y1	CV24020	1,730				4.30					
165	Y5	CV24170	500				151					
208	Y8	208	600				15.36					
84	Y101	surface	643				17.56					
84	Y102	surface	1607				13.44					
162	Y103	CV24199	706				13.29					
214	Y104	Pipe/surface	553				47.70					
214	Y105	Pipe/surface	503				17.60					
214	Y106	surface	499				3.85					
215	Y107	surface	512				19.06					
194	Y108	CV24116	501				315					
171	Y61	CV24060	3,000				52.81					
149	Y62	CV2305	2,000				6.71					
53	Y63	H1804A	1,300				452					
53	Y64	TD205	1,500				242					
81	Y65	H19550	800				253					
82	Y66	110 Nave	4,000				200					
159	Y67	CV2484	3,000				291					
166	Y68	CV24083	4,000	✓		✓	57.03					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025				2nd QTR/2025										
Technician:	Stephen Borchers				Stephen Borchers										
Instrument:	TVA1000				TVA1000										
Calibration Standard:	500ppm				500ppm										
Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days						
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm			
166	Y69	Abandon	4,000	3-26-25		4-3-25	24.11								
167	Y70	CV2301	1,800				21.40								
167	Y71	CV24068	4,000				212								
204	Y72	CV2350	2,000				141								
207	Y73	Pipe	4,000				27.38								
181	Y21	Steelpipe	7,831				71.24								
181	Y22	Steelpipe	70,000				12.67								
181	Y23	CV2352	10,000				17.28								
181	Y24	Steelpipe	30,000				16.56								
175	Y25	CV24134	1,600				40.36								
175	Y26	CV24140	10,000				359								
175	Y27	Steelpipe	60,000				12.26								
175	Y28	CV2424	2,700				92.68								
176	Y29	CV4021	2,000				13.54								
176	Y30	CV2338	2,600				13.24								
156	Y31	CV24039	16,000				100								
156	Y32	Steelpipe	4,300				350								
156	Y33	RAMSP02	13,000				100								
156	Y34	RAMSP03	4,072				56.73								
156	Y35	CV24040	2,100				238								
150	Y36	RAMSP01	4,600				410								
150	Y37	CV2206	600				360								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA 1000	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
150	438	CV24028	10,080	3-26-25		4-3-25	100					
145	439	CCV24052	1,200				106					
145	440	1952 N	2,200				75.80					
77	4161	CCNSM02	2,017				25.59					
77	4162	Unmarked	587				20.10					
77	4163	CCNSM01	568				149					
78	4164	CV24122	623				77.85					
78	4165	steelpipe	7,200				10.29					
78	4166	surface	1,000				425					
79	4177	CV48R	2,150				23.40					
80	4178	HI	1,500	↓			57.60					
173	441	CHIFP039	591				56.60					
157	442	29-1/135	886				75.00					
147	443	CCV24054	986			↓	95.40					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 46 SERIAL #: 7783434

MONITORING DATE: 4-3-25 TIME 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.10 ppm	8.31 ppm	7.70 ppm

Background Value = 7.70 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	498 ppm	450 ppm	7
#3	500 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	497 ppm	3
#2	1.0 ppm	498 ppm	2
#3	0.1 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.33 #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 4-3-25 / 0730

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 6 SERIAL #: 0720723626

MONITORING DATE: 4-3-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.73 ppm	7.59 ppm	7.16 ppm

Background Value = 7.16 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	7
#2	500 ppm	450 ppm	8
#3	498 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

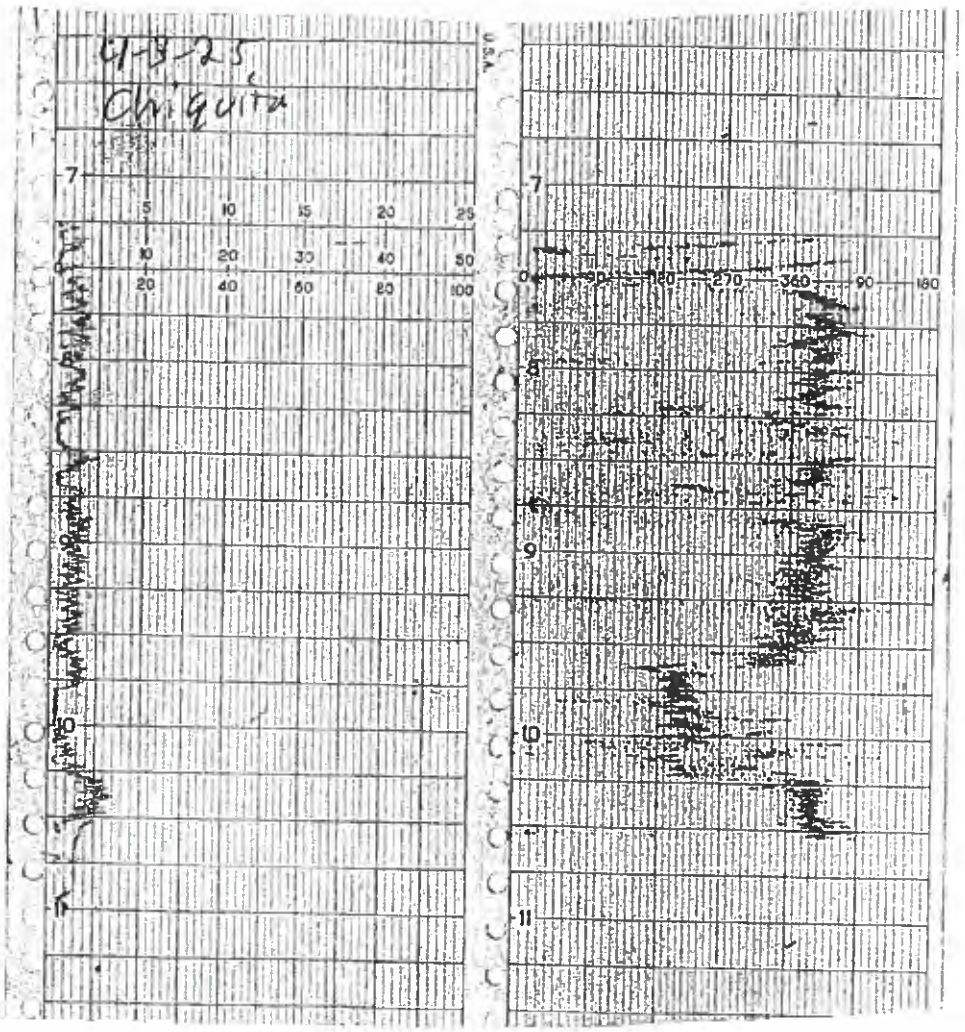
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	1.0 ppm	500 ppm	0
#3	0.0 ppm	498 ppm	2
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		.2% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers. Date/Time: 4-3-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



CHIQUITA CANYON
a Waste Connections company

July 15, 2025

Mr. Eric Morofuji
Los Angeles County Department of Public Health
Environmental Health
Solid Waste Management Program
5050 Commerce Drive
Baldwin Park, California 91706-1423

Subject: **Second Quarter 2025 Monitoring Report**
Chiquita Canyon Landfill
SWFP No. 19-AA-0052

Dear Mr. Morofuji:

Chiquita Canyon Landfill (CCL) is submitting this quarterly monitoring report to comply with SWFP No. 19-AA-0052, re-issued October 19, 2018. This Second Quarter 2025 report includes site capacity data as of the end of June and landfill gas monitoring data for April, May and June 2025.

1. An estimate of the remaining capacity (in cubic yards and tons), and the remaining site life of the existing permitted site in years and months.

As the Local Enforcement Agency is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste.

2. The results of the landfill gas migration control program.

Results of the quarterly landfill gas migration control program are provided as Attachment 1. Only data related to landfill gas migration monitoring data has been enclosed. No landfill gas was detected in any on-site structure. The entire SCAQMD Rule 1150.1 gas monitoring compliance report may be reviewed at CCL.

Please contact me at (661) 257-3655 with any questions regarding this report.

Sincerely,

CHIQUITA CANYON LANDFILL

Nicole Ward
Assistant District Manager

Attachments: Attachment 1 – Landfill Gas Migration Monitoring Data

Attachment 1

Landfill Gas Migration Monitoring Data

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Bowers
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
215	36.78	4-2-25								
223	26.18	↓								
252	80.00									
238	44.76									
237	37.19	✓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR/2025	2nd QTR/2025
Technician:	Stephen Borchers	Stephen Borchers
Instrument:	TVA1000	TVA1000
Calibration Standard:	25ppm	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd >25 ppm
77	34.72	3-25-25		4-3-25	21.09					
80	33.07					47.02				
209	36.26				13.50					
210	38.28				22.45					
211	78.85				21.98					
197	32.93				22.60					
163	34.35				22.78					
89	30.55				18.40					
167	40.00				13.60					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1020 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-3-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.43 ppm	6.13 ppm	5.78 ppm

Background Value = 5.78 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.4 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.4 ppm	.6
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By Stephen Barbieri Date/Time 4-3-25 / 0730

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #. 7 SERIAL #: 0220723627

MONITORING DATE: 4-3-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.73 ppm	7.51 ppm	7.12 ppm

Background Value = 7.12 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

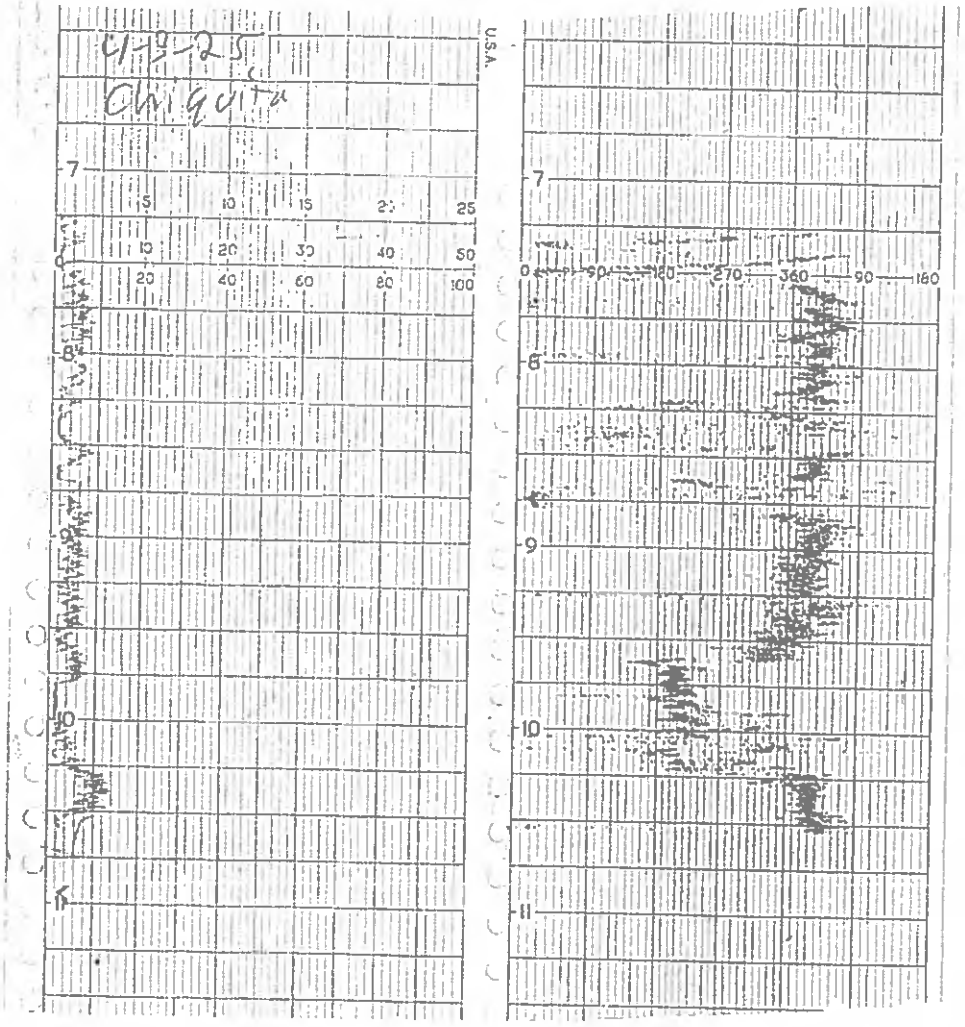
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24 ppm	1
#2	0.1 ppm	25 ppm	0
#3	1.1 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2% #DIV/0! Must be less than 10%

Performed By Stephen Barbosa Date/Time 4-3-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR /2025				1st Quarter 2025										
Technician:	Stephen Beschers				D Hernandez										
Instrument:	TVA 1000				TVA1000										
Calibration Standard:	500ppm				500 PPM										
Initial Monitoring Event					30 Day Re-Monitoring Event					First Re-Monitoring Event – 10 Days					
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm		Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm		
173	441	CITIFP031	591	3-26-25	0920	4/24/25	5.4								
157	442	24-V135	886		0829		9.7								
147	443	CCU24054	986		0825		465								
178	41	CU24020	1,730		0915		13.8								
165	45	CU24170	500		0908		13.7								
208	48	208	600		0953		145								
89	4101	SURFACE	643		0815		14.3								
89	4102	SURFACE	1,607		0817		113								
162	4103	CU24194	706		0905		39.8								
214	4104	PIPE/SURFACE	553		0955		391								
214	4105	PIPE/SURFACE	503		0956		23.6								
214	4106	SURFACE	500		0957		17.7								
215	4107	SURFACE	512		0958		27.6								
194	4108	CU24116	501		0929		27.9								
171	461	CU24060	3,000		0911		32.6								
148	462	CU2305	2,000		0931		5.5								
53	463	H1804A	1,300		0800		410								
53	464	TD 205	1,500		0802		464								
81	465	H19550	800		0807		77.5								
82	466	NO NAME	4,000		0810		63.4								
159	467	CU2484	3,000		0825		113								
166	468	CU24083	4,000		0851		475								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1st Quarter 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500PPM	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
166	469	Abandon	4,000	3-26-25	0853	4/24/25	386					
167	470	CV2301	1,800		0859		9.1					
167	471	CV24068	4,000		0851		6.4					
204	472	CV2350	2,000		0949		8.9					
207	473	Pipe	4,000		0951		9.4					
181	421	STEEL PIPE	7,837		0946		7.6					
181	422	STEEL PIPE	70,000		0947		7.4					
181	423	CV2352	10,000		0948		8.1					
181	424	STEEL PIPE	30,000		0949		7.3					
175	425	CV24138	1,600		0943		9.3					
175	426	CV24140	10,000		0942		265					
175	427	STEEL PIPE	60,000		0941		7.2					
175	428	CV2342A	2,700		0940		10.3					
176	429	CV1902A	2,000		0937		18.9					
176	430	CV2338	2,600		0935		11.6					
156	431	CV24037	16,000		0835		6.7					
156	432	STEEL PIPE	4,300		0837		22.8					
156	433	RAMSPC2	13,000		0839		37.4					
156	434	RAMSPC3	4,072		0840		7.1					
156	435	CV24040	2,100		0841		23.9					
150	436	RASWPB1	4,600		0845		72.1					
150	437	CV22061	600	↓	0846	↓	425					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	1ST QTR / 2025	1st Quarter 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	JUA 1000	TVA1000	
Calibration Standard:	520ppm	500PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
150	438	CCU24028	10,080	3-26-25	0845	4/24/25	20.7					
145	439	CCU24030	1,300		0926		7.4					
145	440	1952N	2,200		0846		13.6					
77	4161	CCNSnPoz	2,017		1001		22.1					
77	4162	unmarked	587		1002		17.3					
77	4163	CCNSA001	568		1003		13.8					
78	4164	CCU24122	623		0815		29.8					
78	4165	STEEP PIPE	7,200		0814		25.6					
78	4166	SURFACE	1,000		0813		24.7					
79	4177	CCU 48R	2,150		0812		31.9					
80	4178	H1	1,500		0811		47.8					
173	441	CH1FP039	591		1009		5.4					
157	442	29-1/135	886		1011		9.7					
147	443	CCU24054	986		1010		46					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-24-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.1 ppm	3.6 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	501 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

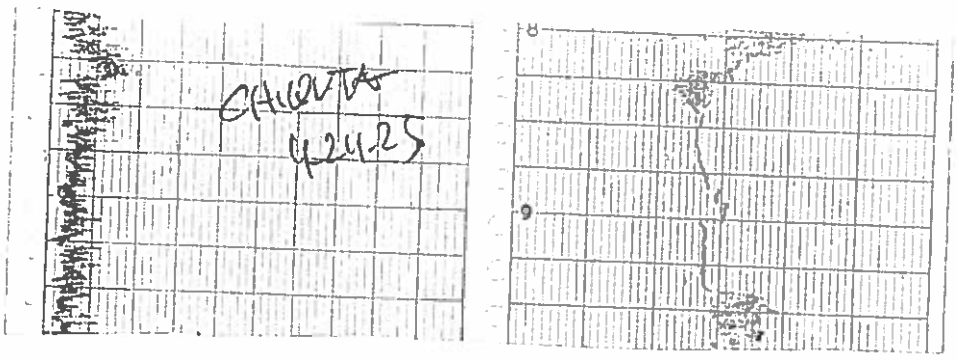
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.64 ppm	500 ppm	0
#2	0.69 ppm	501 ppm	1
#3	0.61 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 4-24-25 0800

WIND SPEED & DIRECTION CHART ROLL



CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 4-23-25 | Weather Conditions Cloudy

Technician Robert Johns | Temp. 54° F

Inst. GEM Model 5000 | Wind Speed (MPH) & Direction 3 E

Serial # G5005300 | Barometric Pressure 29.91 in. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal.%	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-A - 10	0953	4-23-25	0.0	0.1	21.4	78.5	6	-.52	
51	0956		0.0	0.1	21.5	78.4	19	-1.92	
102	0958		0.0	0.1	21.6	78.3	39	-.02	
151.5	1000		0.0	0.1	21.7	78.3	95	-.03	
GP-1R - 26	1129		0.0	0.1	21.1	78.8	16	.0	
38	1131		0.0	0.1	21.1	78.8	26	-.03	
47	1134		0.0	0.1	21.2	78.7	18	-.01	
GP-2 - 15.5	1120		0.0	0.3	20.9	78.8	16	-.02	
44.5	1123		0.0	0.1	21.1	78.8	18	-.02	
53	1125		0.0	0.1	21.1	78.8	19	-.03	
GP-5 - 10	1106		0.0	5.8	15.4	78.8	6	-.06	
45	1108		0.0	0.1	21.0	78.9	18	-.02	
93	1110		0.0	0.2	21.1	78.8	64	-.19	
GP-6 - 10	1056		0.0	0.4	21.0	78.6	6	-.02	
30	1058		0.0	0.8	20.8	78.4	20	-.0	
60	1100		0.0	0.1	21.2	78.7	41	-.76	
GP-7 - 10	1045		0.0	0.6	20.8	78.6	6	-.03	
30	1047		0.0	1.7	18.6	79.7	20	-.04	
60	1049		0.0	0.3	20.9	78.9	41	-.30	
GP-8 - 10	1033		0.0	0.6	21.0	78.4	6	-.03	
60	1035		0.0	0.6	19.5	79.9	41	-.17	
120	1037		0.0	0.8	19.0	80.2	75	-.34	
GP-9 - 25	1021		0.0	1.4	20.2	78.3	16	-.15	
55	1028		0.0	0.2	21.3	78.5	20	-.02	
83	1030		0.0	0.1	21.5	78.4	51	-.11	
GP-10 - 22	1006		0.0	2.6	18.3	78.9	17	-.21	
37	1008		0.0	4.5	14.6	80.9	26	-.60	
63	1010		0.0	0.1	21.6	78.3	42	-.47	
87	1012		0.0	0.1	21.7	78.3	59	-.10	
GP-11 - 10	0939		0.0	0.7	20.9	78.4	6	-.41	
70	0941		0.0	10.3	7.4	82.3	49	-.42	
141	0943		0.0	1.8	18.4	79.8	102	-.37	
208	0946	✓	0.1	5.8	10.3	83.9	137	-.53	

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

Date 4-23-25 Weather Conditions Cloudy

Technician Robert Johns Temp 54° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 3 E

Serial # G500530 Barometric Pressure 29.91 in. Hg

Probe Number	Time	Date	CH4% (% Vol)	CO2%	O2%	Bal.%	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-12 - 12	0925	4-23-25	0.0	0.2	21.1	78.7	4	-.08	
38	0927	"	0.0	0.1	21.5	78.4	26	-.04	
74	0929	"	0.0	0.1	21.5	78.4	50	-.04	
110	0931	"	0.0	0.1	21.5	78.4	75	-.02	
224	0933	"	0.0	0.1	21.6	78.3	171	+.02	
GP-13 - 10	0855	"	0.0	1.4	19.9	78.7	6	-.04	
29	0836	"	0.0	12.8	13.1	74.1	19	-.06	
58	0902	"	33.2	14.5	0.7	51.5	39	+.06	
87	0908	"	6.4	10.4	2.6	80.7	59	-.67	
173	0916	"	13.6	4.3	4.6	77.5	109	.0	
GP-14 - 10	0832	"	0.0	0.4	20.4	79.2	6	-.01	
23	0834	"	0.0	0.7	19.9	79.5	15	-.12	
44	0836	"	0.0	3.0	14.9	82.1	30	-.08	
67	0843	"	12.0	7.5	3.6	76.9	46	-.15	
134	0846	"	0.0	4.4	12.4	83.3	92	-.51	

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

GEM 5000 CALIBRATION

TECHNICIAN: ROBERT JOHNS

CALIBRATION DATE: 4/23/2025

SITE: CHIQUITA CANYON LANDFILL

TIME: 5:00AM

GEM 5000 SERIAL #: G500530

		UNCORRECTED READING	CORRECTED READING
CH_4	15%	15%	15%
CO_2	15%	15%	15%
O_2	4%	4%	4%

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Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Burches
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
158	26.15	5-5-25								
171	62.28									
179	48.71									
178	59.45									
150	55.31									
145	44.09									
77	32.51									
170	96.42									
169	45.19									
202	55.37									
201	49.23									
164	28.50									
172	60.50									
173	52.20									
175	47.12									
151	28.01									
157	70.36									
156	46.10									
177	70.00									
149	54.44									
147	42.13									
78	49.09	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Bo-Chles
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
165	51.25	5-6-25								
167	56.41	↓								
154	54.13									
195	25.20									
199	28.50									
214	33.30									
88	28.20									
204	64.00									
206	26.20									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd QTR /2025	
Technician:	Stephen Borchers	Jacob Pennington	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
162	4101	CV24106	3,450	4-7-25	0400	5-6-25	464					
162	4102	CV24199	560		0804		116					
194	4103	CV24116	5,800		0812		329					
194	4104	CV24203	3,400		0815		8.3					
194	4105	CAP unmarked	822		0818		411					
96	4106	H2161	595		0823		24					
96	4107	17 14105	575		0826		130					
96	4108	CV24115	7,281		0829		169					
197	4109	CV24198	689		0835		245					
99	4110	STEEL PIPE	9,887		0842		52					
214	4111	CV24227	5,938		0849		145					
214	4112	H2163W	972		0852		360					
214	4113	H2161W	3,600		0854		400					
214	4114	STEEL PIPE	689		0857		211					
215	4115	SURFACE	4,700		0903		300					
215	4116	unmarked	7,555		0906		428					
215	4117	CAP unmarked	5,751		0909		400					
215	4118	unmarked	40,000		0915		387					
181	441	CV2352	520		0926		41.8					
175	442	CV2038	650		0934		9.8					
156	443	CV24039	906		0944		10.6					
166	461	CV2484	2,879		0953		229					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd QTR /2025	
Technician:	Stephen Borchers	Jacob Pennington	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
147	421	CV24054	1,500	4-7-25	1618	5-6-25	449					
157	422	CV24046	706	↓	1619	↓	59					
170	423	CV2450	5,000	↓	1633	↓	294					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 5-6-25 TIME: 0745

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 493 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.0 ppm	1.8 ppm

Background Value = 1.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	493 ppm	450 ppm	5
#2	494 ppm	450 ppm	5
#3	493 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

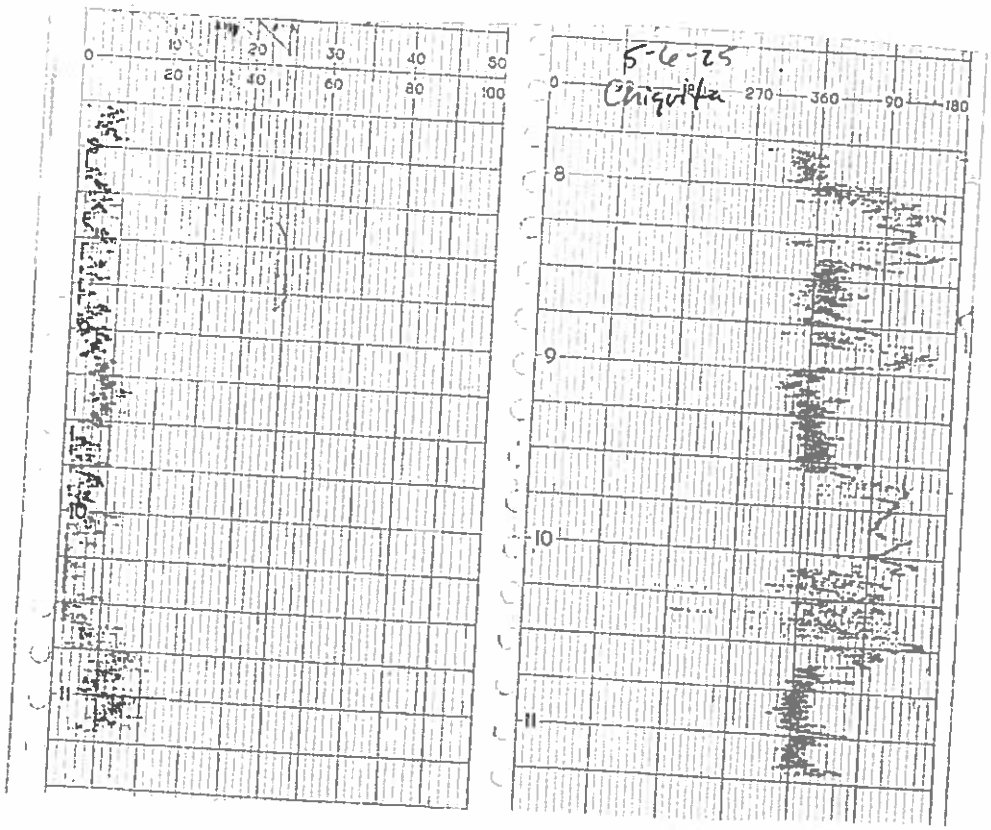
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.3 ppm	493 ppm	7
#2	0.4 ppm	494 ppm	6
#3	0.3 ppm	493 ppm	7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			1.3% #DIV/0! Must be less than 10%

Performed By: J. Pennington Date/Time 5-6-25 / 0745

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Burchers	Robert Chavez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
219	460	Surface	1,583	4-8-25	0800	5-6-25	84					
219	461	Surface	863		0802		26					
227	462	Surface	1,920		0805		110					
220	463	Surface	500		0810		35					
220	464	Surface	820		0811		47					
220	465	Surface	3,423		0812		78					
227	466	Surface	1,192		0820		200					
227	467	Well No ID	1,340		0822		135					
227	468	Surface	1,779		0823		238					
226	469	Surface	826		0825		120					
223	470	Surface	801		0829		302					
221	471	Surface	780		0833		118					
221	472	Surface	725		0834		77					
222	473	Surface	1,056		0838		34					
102	474	Surface	500		0844		54					
97	475	well 2059	879		0846		85					
100	476	well H2160	5,042		0850		370					
100	477	Surface	800		0852		185					
97	478	well 2059	879		0855		233					
87	479	Surface	832		0900		117					
98	4160	well D90	1,523		0908		155					
101	4161	well H2058	760	↓	0910	↓	232					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd QTR/2025	
Technician:	Stephen Buschers	Robert Chavez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500PPM	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
103	4162	Surface	3,562	4-8-25	0915	5-6-25	225					
226	4163	Surface	700		0930		101					
P21	4141	well C8	2,403		0940		177					
P48	4142	ABOVE well C9	1,680		0942		315					
P48	4143	well C10	2,892		0943		256					
P48	4144	well SW115	1,111		0944		121					
P48	4145	well SW95	951		0945		72					
P44	4146	well 63 11	851		0947		87					
P64	4147	well C28	50,000		0950		330					
P64	4148	well C12	3,065		0951		163					
P65	4149	well C27	5,470		0953		270					
P65	4150	well C15	1,296		0954		322					
P58	4151	wireye Cap Pipe	540		0956		207					
P58	4152	well C14	10,000		0958		56					
P58	4153	well C25	2,381		0959		132					
P71	4154	well C17B	850		1002		74					
P71	4155	well C19	5,040		1004		220					
P71	4156	Big Black Pipe	2,099		1006		36					
P71	4157	well C23	520		1007		96					
P71	4158	well C22	56,000		1008		387					
P80	4159	well SW80	520		1009		85					
33	41	CW1907	1,400	↓	1015	↓	430					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025				2nd QTR /2025								
Technician:	Stephen Beechers				Robert Chavez								
Instrument:	TVA1000				TVA 1000								
Calibration Standard:	500 ppm				500 ppm								
Initial Monitoring Event					**30 Day Re-Monitoring Event**				**First Re-Monitoring Event – 10 Days**				
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**No Excd. <500 ppm**	**Excd. >500 ppm**	**Remedial Work**	**Date Monitored**	**No Excd. <500 ppm**	**Excd. >500 ppm**
37	42	H2169E	1,000	4-8-25	1017	5-6-25	325					
41	43	TD206	1,300	↓	1020	↓	118					
249	4101	G-1-18-76	2,700		1030		92					
250	4102	BOIE	4,400		1032		123					
251	4103	UNMARKED	1,000		1034		201					
130	4104	UNMARKED	2,000		1100		214					
241	481	CU24245	663		1037		87					
231	482	BHGBDN	982		1040		300					
234	483	H2077	675		1042		180					
253	484	CH2303E	664		1044		152					
237	485	CLGABEN	1,335		1050		431					
237	486	CLGABZN	1,143		1052		428					
239	487	CHG2302C	686	↓	1055	↓	166					

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CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Cliniqua INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 60 SERIAL #: 7680738 4

MONITORING DATE 5-6-25 TIME: 0745

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 505 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.0 ppm	1.8 ppm

Background Value = 1.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	506 ppm	450 ppm	4
#2	505 ppm	450 ppm	4
#3	505 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			4.3 #DIV/0! Must be less than 30 seconds

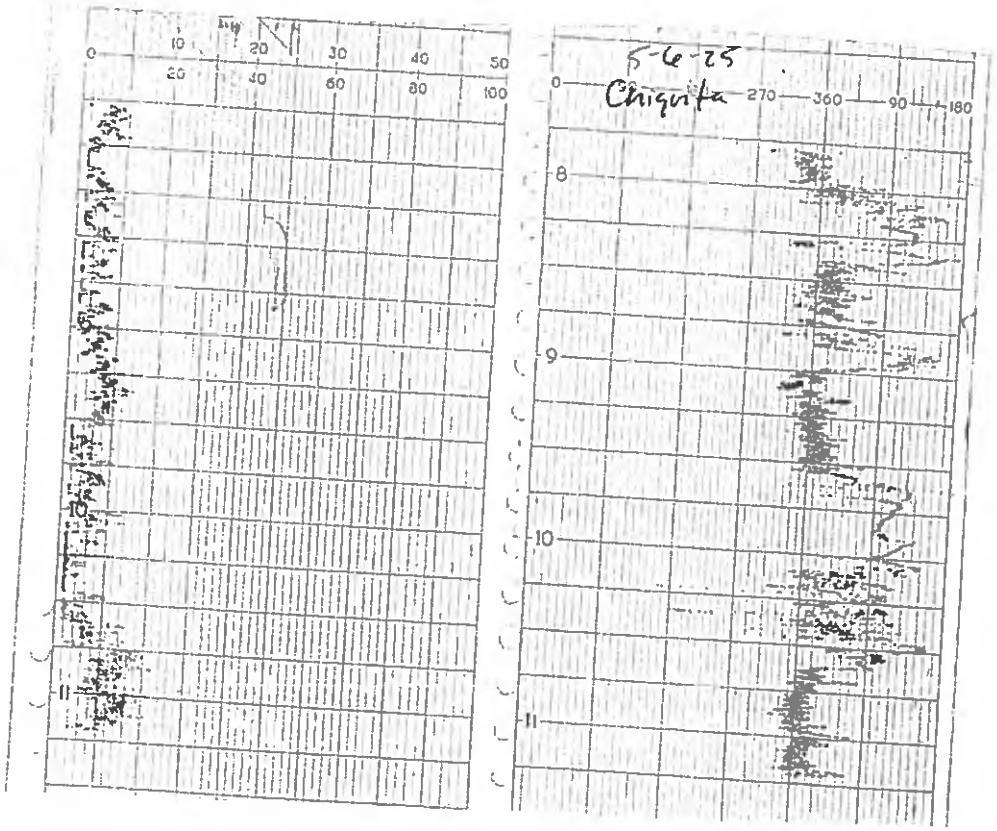
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.5 ppm	506 ppm	6
#2	0.5 ppm	505 ppm	5
#3	0.5 ppm	505 ppm	5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			1.1 % #DIV/0! Must be less than 10%

Performed By: R. Chavez Date/Time: 5-6-25 / 0745

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Butchers	Eric Gomez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
81	Y118	Well HZ1173	1359	4-28-25	0903	5-6-25		1374				
82	Y119	Well CV24150	1647		0912			1157				
82	Y120	Well CV24094	9,751		0914			1724				
82	Y121	Black Pipe	3,644		0916			2422				
99	Y122	Steel pipe	10,000		1040			1,584				
216	Y123	Open Pipe Cap	6,723		0845			6702				
175	Y21	CV2353	900		0805		232					
176	Y22	CV19026	750		0807		3.2					
156	Y23	CV2201	900		0830			1534				

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR /2025	2nd QTR /2025	
Technician:	Stephen Burchett.	Eric Gomez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
174	Y41	CV2242A	506	4-26-25	0802	5-6-25	177					
171	Y42	CV2302	2,500		0834			5014				
159	Y43	CV2472	750		0825			933				
204	Y61	Surface	678		0839			683				
166	Y62	CV24087	644		0815			617				
80	Y101	Well H1	5,170		0900		183					
79	Y102	Well CV24141	595		0921		298					
79	Y103	Well CV48R	6,285		0923			842				
78	Y104	Well CV24123	5,760		0925			859				
78	Y105	Surface Pit 2	1,273		0928			623				
78	Y106	Well CV24122	4,512		0931			6647				
78	Y107	Well CV24125	10,000		0934		7.3					
77	Y108	Well CV1113	4,575		0942		96					
78	Y109	Well CCNSM 001	10,000		0938			8972				
77	Y110	Well CV24124	5,623		0944		4.6					
77	Y111	Well unmarked	620		0947			652				
77	Y112	Well CCNSM 002	60,000		0950			24,973				
66	Y113	Well 2316A	710		1002		9.1					
53	Y114	Well CV2319	3684		1010			1140				
53	Y115	Well HisC4A	1,357		1012			1513				
81	Y116	Well CV1426	2,148		0905			3138				
81	Y117	Well HisC5C	1530	✓	0907	↓		1507				

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	Page 1 of 1 Pages
Technician:	Stephen Borchers	Eric Gomez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
165	B61	Well CV 29087	366	4-22-25	0820	5-6-25	174		
166	B62	Well CHH15265C	214		0817		196		
77	B101	Well CV 2333	230		0952		3.2		
77	B102	Well CV 24120	325		0955		14.2		
82	B103	Well H1804C	253	↓	0918	↓	192		

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 59 SERIAL #: 7680 8384

MONITORING DATE: 5-6-25 TIME: 0745

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 493 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.0 ppm	1.8 ppm

Background Value = 1.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	495 ppm	450 ppm	7
#2	495 ppm	450 ppm	7
#3	493 ppm	450 ppm	4
Calculate Response Time (1+2+3) / 3			6 #DIV/0! Must be less than 30 seconds

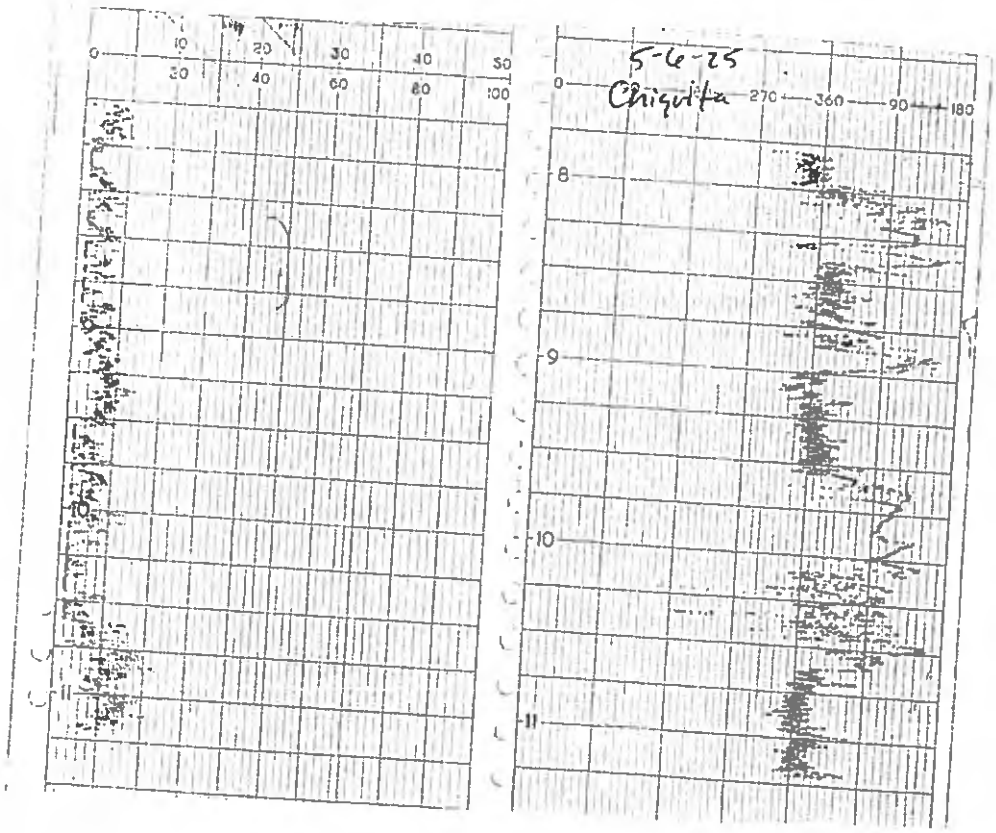
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.5 ppm	495 ppm	5
#2	0.5 ppm	495 ppm	5
#3	0.3 ppm	493 ppm	7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			1.1% #DIV/0! Must be less than 10%

Performed By: E. Gomez Date/Time: 5-6-25 / 0745

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Times	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
96	Y61	CV24115	1,200	4-23-25	0907	5-2-25	250					
99	Y62	Surface	4,600		0906		64.77					
216	Y63	Capped well	560		0858		122					
209	Y41	Surface	3,900		1006		341					
210	Y42	surface/pipe	6,400		1010		183					
211	Y44	surface/pipe	1,500		1014		43.58					
178	Y1	NOID	500		0808		188					
150	Y2	Surface	600		0806		41.69					
150	Y3	surface	600		0805		72.83					
145	Y5	NOID	1,360		0800		38.64					
145	Y6	NOID	960		0816		24.43					
145	Y7	Surface	3,960		0817		426					
145	Y8	Well PI	4,923		0819		392					
77	Y9	Surface	2,952		0827		306					
77	Y10	surface	6,345		0822		73.80					
77	Y11	Surface	1,366		0823		131					
77	Y13	Surface	740		0823		99.60					
78	Y14	Surface	500		0826		179					
78	Y15	well CV4	500		0827		291					
77	Y16	Surface	500	↓	0952	↓	131					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: CHIQUITA LANDFILL

Quarter / Year:	2nd Qtr 2025	2nd QTR 2025	Page 1 of 1 Pages
Technician:	STEPHEN BORCHERS	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Times	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
211	B43	SURFACE	211	4-23-25	1004	5-2-25	178		
211	B45	SURFACE	330		1012		135		
194	B46	SURFACE	206		0910		30.40		
194	B47	SURFACE	203		0912		67.40		
194	B48	SURFACE	347		0911		159		
194	B49	SURFACE	300		0914		107		
194	B50	SURFACE	200		0914		175		
77	B12	SURFACE	400		0920		61.30		
145	B17	SURFACE	400		0755		33.71		

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TEA1000 EQUIPMENT #: 43 SERIAL #: 1586062

MONITORING DATE: 5-2-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.62 ppm	6.73 ppm	6.17 ppm

Background Value = 6.17 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	499 ppm	450 ppm	7
#3	500 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

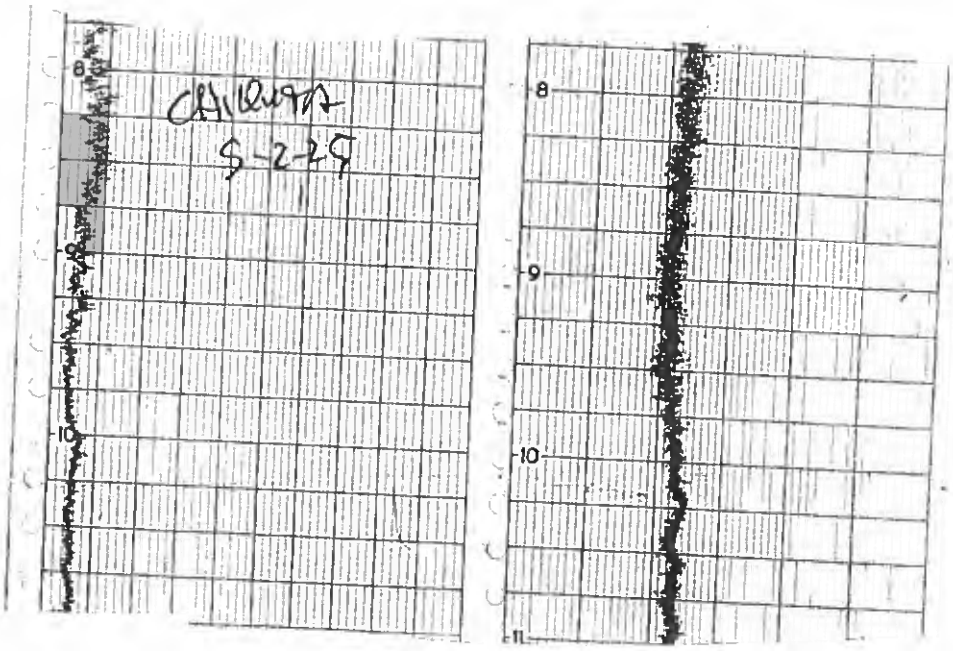
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	497 ppm	3
#2	1.0 ppm	499 ppm	1
#3	0.0 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0,26 % #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 5-2-25 / 0715

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/ 2025
Technician:	Stephen Barbus
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
85	26.40	5-7-25								
79	26.82	"								
51	65.66	"								
52	26.78	"								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Bonkrut
Instrument:	IVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
179	Y1	well UNmarked	3000	5-12-25								
161	Y101	well CV24169	900									
195	Y105	well CV24169	608									
83	Y81	Surface	520									
163	Y82	well CV24080	652									
157	Y41	well RAMSP04	608									
173	Y42	well RAM SP05	568									
200	Y43	well CV2354	956									
205	Y44	well SW68	614									
204	Y61	well CV2328	590									
158	Y62	well CV24024	5000									
153	Y63	well CV2305	6000									
148	Y64	well MW01A	1200									
53	Y65	well UNmarked	600									
82	Y66	well CV24014	900									
149	Y67	well CV24153	590									
181	Y21	well CV2362	645									
181	Y22	well UNmarked	4032									
180	Y23	well UNmarked	806									
180	Y24	well CV1607	5023									
180	Y25	Surface	4098									
176	Y26	Surface	540									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Rowland
Instrument:	TVA 1000
Calibration Standard:	500

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
176	Y27	well CV1902A	9056	5-12-25								
176	Y28	surface	500									
177	Y29	well UNMARKED	1076									
156	Y31	well UNMARKED	500									
156	Y32	well CV2201	1423									
156	Y33	well CV2404	700									
145	Y34	well UNMARKED	1423									
77	Y36	well P2	500									
77	Y37	surface	500									
77	Y38	surface	1023									
77	Y39	surface	4021									
77	Y121	surface	500									
77	Y122	surface	1523									
77	Y123	well CV2412D	1523									
77	Y126	well CV1902D	4523									
78	Y128	surface	2823									
79	Y132	surface	4424									
80	Y133	well CVH-1	700									

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025		Page | of | Pages
Technician:	Stephen Beerbower		
Instrument:			
Calibration Standard:			

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
169	B41	Well 2450	398						
180	B51	Well CV24087	482						
105	B52	Well CV24170	202						
204	B61	Well CV2350	270						
176	B30	Well CV2403	200						
145	B25	Surface	200						
77	B124	Surface	200						
77	B125	Surface	300						
78	B127	Surface	200						
78	B129	Surface	300						
78	B130	Surface	200						
78	B131	Surface	200						

5-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43711297	-118.647179	2025-05-12T18:36:41Z	B124	200Ppmgrd77surface
2	34.43701901	-118.647038	2025-05-12T18:39:11Z	B125	300Ppmgrd77surface
3	34.43719796	-118.646869	2025-05-12T18:43:30Z	B127	200Ppmgrd78surface
4	34.437104	-118.646728	2025-05-12T18:46:28Z	B129	300Ppmgrd78surface
5	34.437147	-118.646555	2025-05-12T18:48:55Z	B130	200Ppmgrd78surface
6	34.43703602	-118.646156	2025-05-12T19:05:20Z	B131	200Ppmgrd78surface
7	34.43664299	-118.647639	2025-05-12T18:06:27Z	B25	200Ppmgrd145surface
8	34.43489	-118.649785	2025-05-12T17:16:09Z	B30	200Ppmgrd176Wellcv2403
9	34.43373296	-118.649918	2025-05-12T17:01:36Z	B41	Ppm398grid169well2450
10	34.43281297	-118.650841	2025-05-12T16:07:31Z	B61	270Ppm grid 204-well cv2350
11	34.43301396	-118.64809	2025-05-12T16:37:18Z	B81	Ppm482grd160wellcv-24087
12	34.43314204	-118.648462	2025-05-12T16:44:03Z	B82	Ppm202grd165wellcv-24170
13	34.43537196	-118.649677	2025-05-12T17:20:01Z	Y1	Grd179ppm3000well
14	34.433193	-118.647699	2025-05-12T15:56:00Z	Y101	Y101PPM900WELLCV24169
15	34.43182097	-118.647354	2025-05-12T16:25:35Z	Y105	Y105PP600CV24199
16	34.43694902	-118.647417	2025-05-12T18:26:06Z	Y121	500Ppmgrd77surface
17	34.43695203	-118.647331	2025-05-12T18:29:07Z	Y122	1523Ppmgrd77surface
18	34.43685598	-118.647277	2025-05-12T18:31:35Z	Y123	1523Ppmgrd77wellccv24120
19	34.43699101	-118.647253	2025-05-12T18:33:57Z	Y124	3245Ppmgrd77surface
20	34.43716301	-118.646948	2025-05-12T18:41:09Z	Y126	4523Ppmgrd77wellccnsmp01
21	34.43709402	-118.646776	2025-05-12T18:44:56Z	Y128	2823Ppmgrd78surface
22	34.43700501	-118.645966	2025-05-12T19:06:33Z	Y132	4424Ppmgrd79surface
23	34.43768797	-118.644118	2025-05-12T19:14:34Z	Y133	700Ppmgrd80wellcvH-1
24	34.43491297	-118.651035	2025-05-12T16:04:34Z	Y21	645Ppmgrd181wellcv2352
25	34.43486502	-118.650899	2025-05-12T16:12:51Z	Y22	4032Ppmgrd181wellnoid
26	34.43523601	-118.65065	2025-05-12T16:26:43Z	Y23	806Ppmgrd180wellnoid
27	34.435321	-118.650468	2025-05-12T16:38:48Z	Y24	5023Ppmgrd180wellCv1607
28	34.43536601	-118.650292	2025-05-12T16:43:55Z	Y25	4098Ppmgrd180surface
29	34.43469202	-118.650193	2025-05-12T16:52:28Z	Y26	540Ppmgrd176surface
30	34.434616	-118.650283	2025-05-12T16:54:08Z	Y27	9056Ppmgrd176wellcv1902A
31	34.43473804	-118.650054	2025-05-12T16:57:23Z	Y28	500Ppmgrd176surface
32	34.43499302	-118.649303	2025-05-12T17:26:21Z	Y29	1076Ppmgrd177wellnoid
33	34.43551001	-118.648856	2025-05-12T17:38:22Z	Y31	500Ppmgrd156wellnoid
34	34.43557899	-118.648831	2025-05-12T17:41:08Z	Y32	1423Ppmgrd156wellcv2201
35	34.43565703	-118.64838	2025-05-12T17:48:20Z	Y33	700Ppmgrd156wellCv24040
36	34.43665196	-118.647901	2025-05-12T18:03:23Z	Y34	1423Ppmgrd145wellnoid
37	34.43692102	-118.647658	2025-05-12T18:15:05Z	Y36	500Ppmgrd77wellp2
38	34.43690401	-118.647616	2025-05-12T18:17:31Z	Y37	500Ppmgrd77surface
39	34.436917	-118.647585	2025-05-12T18:21:39Z	Y38	1023Ppmgrd77surface
40	34.43696201	-118.647485	2025-05-12T18:24:11Z	Y39	4021Ppmgrd77surace
41	34.434875	-118.648474	2025-05-12T16:10:23Z	Y41	Ppm608grid157wellramsp04
42	34.43428097	-118.649682	2025-05-12T16:20:40Z	Y42	Ppm568grid173wellramsp05

43	34.43367597	-118.651335	2025-05-12T17:17:08Z	Y43	Ppm556grid202wellcv2354
44	34.43352501	-118.652021	2025-05-12T17:41:30Z	Y44	Ppm614grid205wellsw68
45	34.43434199	-118.648301	2025-05-12T16:31:31Z	Y61	590-Ppm grid 158-well cv2328
46	34.43475103	-118.647406	2025-05-12T17:07:03Z	Y62	5000-Ppm grid 153-well cv24074
47	34.43523299	-118.646488	2025-05-12T17:33:38Z	Y63	6000-Ppm grid 148-well cv2305
48	34.43533801	-118.645769	2025-05-12T17:43:08Z	Y64	1200-Ppm grid 53-well h1804a
49	34.43427502	-118.645703	2025-05-12T18:03:40Z	Y65	6000-Ppm grid 82-un marked well
50	34.43460401	-118.646054	2025-05-12T18:12:51Z	Y66	900-Ppm grid 82-well cv24094
51	34.434429	-118.646416	2025-05-12T18:22:11Z	Y67	590 Ppm grid 149well cv 24153
52	34.43402197	-118.646337	2025-05-12T15:46:57Z	Y81	Ppm520grd83suface
53	34.43246101	-118.64807	2025-05-12T16:55:50Z	Y82	Ppm652grd163wellcv-24089

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
73	Y81	well CV2913?	748	5-13-25								
57	Y82	well 24213	500									
63	Y83	well CV1538	700									
63	Y84	well CV1535	510									
227	Y61	Surface	1500									
227	Y62	Surface	5000									
241	Y63	well CV24245	1400									
241	Y64	Surface	2400									
240	Y65	Surface	6000									
240	Y66	Surface	7000									
246	Y21	Surface	740									
248	Y22	Surface	580									
239	Y23	PIPE	636									
55	Y101	well CV2707	1000									
60	Y102	well CV24102	600									
36	Y103	well CV2324	1000									
37	Y104	well H-2165E	2000									
38	Y105	well CV1703	1000									
35	Y106	well H15015	700									
51	Y107	well CV6	800									
50	Y108	well CV8	800									
57	Y109	well CV9	3000									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Bowles
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
59	Y121	Well H-2166	760	5-13-25								
59	Y122	Well CV24111	1,952									
32	Y123	Well H-21881	1,521									
33	Y124	Well CV24109	860									
31	Y125	Surface	1,218									
30	Y126	Well CV24191	970									
84	Y127	Well H-18045	4023									
92	Y128	Well CV004	990									
92	Y129	Surface	1,232									
93	41	Well A-1	1,850									
52	42	Well A-5	1,573									
21	43	Well C-8	2,401									
48	44	Well C-9	29,770									
49	45	Well SW-65	1,226									
44	46	Well C-11	1,835									
64	47	Well C-12	2,224									
65	48	Well C-27	10,150									
65	49	Well C-15	10,470									
58	410	Well H-22	2,768									
71	411	Well C-23	10,360									
71	412	Well C-22	791	✓								

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025		Page 1 of 1 Pages
Technician:	Stephen Bachus		
Instrument:	TVA1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
249	B21	Surface	227	5-13-25					
39	B162	well CV24211	300						
94	B41	Surface	230						
102	B61	Surface	209						
237	B68	well 237	230						
32	B121	well CV1907	400						
84	B123	well H1764	200						
91	B124	Surface	300						
92	B125	well CSM501	300						
92	B1	Well A-2	292						
50	B2	Well Unmarked	242						
80	B3	Well SW-80	391	✓					

5-13-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.431582	-118.643322	2025-05-13T15:55:39Z	B1	1815PPMGRD92WALLA1
2	34.43272797	-118.643822	2025-05-13T17:24:29Z	B102	Ppm300grd39
3	34.43426404	-118.64488	2025-05-13T17:07:35Z	B121	400Ppmgrd33wellCv-1907
4	34.43318001	-118.645599	2025-05-13T17:42:49Z	B123	200Ppmgrd84wellH1764N
5	34.43177998	-118.644574	2025-05-13T18:14:01Z	B124	300Ppmgrd91surface
6	34.43155702	-118.644326	2025-05-13T18:28:18Z	B125	300Ppmgrd92wellccsms01
7	34.43193496	-118.643066	2025-05-13T16:02:05Z	B2	242PPMGRD50WELLUNMARKED
8	34.42755483	-118.6486347	2025-05-13T16:25:38Z	B21	Ppm227 grd249surface
9	34.43830999	-118.643325	2025-05-13T17:19:42Z	B3	391PPMGRD80WELLSW80
10	34.42811097	-118.648395	2025-05-13T15:36:59Z	B41	PPM230Well237
11	34.43016596	-118.647648	2025-05-13T16:24:15Z	B61	PPM209SURF102
12	34.4283833	-118.6481041	2025-05-14T12:39:45Z	B68	230PPM WELL237
13	34.431223	-118.643782	2025-05-13T15:53:25Z	Y1	1850PPMGRD93WELLA1
14	34.43691197	-118.641523	2025-05-13T17:01:49Z	Y10	3768PPMGRD58PIPEH22
15	34.43601804	-118.644202	2025-05-13T16:00:05Z	Y101	Ppm1000grd55
16	34.43525797	-118.644159	2025-05-13T16:14:40Z	Y102	Ppm600grd60
17	34.434516	-118.6442	2025-05-13T16:19:54Z	Y103	Ppm1000grd36
18	34.43423999	-118.64416	2025-05-13T16:23:25Z	Y104	Ppm2000grd37
19	34.43341001	-118.643984	2025-05-13T16:41:40Z	Y105	Ppm1000grd38
20	34.43288203	-118.644454	2025-05-13T16:46:00Z	Y106	Ppm700grd35
21	34.43270098	-118.642831	2025-05-13T17:32:13Z	Y107	Ppm800grd51
22	34.431999	-118.643821	2025-05-13T17:37:01Z	Y108	Ppm800 WELLCV8
23	34.43315101	-118.641607	2025-05-13T18:26:18Z	Y109	Ppm3000 WELLCV9
24	34.43796298	-118.642632	2025-05-13T17:11:33Z	Y11	10310PPMGRD71WELLC23
25	34.43819297	-118.642845	2025-05-13T17:15:12Z	Y12	791PPMGRD71WELLC22
26	34.43558201	-118.644827	2025-05-13T16:24:58Z	Y121	760Ppmgrd59wellH-2166c
27	34.43534103	-118.644926	2025-05-13T16:34:06Z	Y122	1952Ppmgrd59wellCv24111
28	34.43442598	-118.644788	2025-05-13T17:00:55Z	Y123	1521Ppmgrd32wellH-2168-c
29	34.43400504	-118.644854	2025-05-13T17:16:31Z	Y124	800Ppmgrd33wellcv24109
30	34.43394997	-118.64542	2025-05-13T17:23:02Z	Y125	1218Ppmgrd30surface
31	34.43385802	-118.645563	2025-05-13T17:25:57Z	Y126	970Ppmgrd30cv24191
32	34.43311798	-118.645674	2025-05-13T17:37:25Z	Y127	4023Ppmgrd84wellH-1804s
33	34.43183798	-118.644236	2025-05-13T18:21:44Z	Y128	990Ppmgrd92wellcv-009
34	34.43190998	-118.644229	2025-05-13T18:23:37Z	Y129	1232Ppmgrd92surface
35	34.43249202	-118.641657	2025-05-13T16:15:23Z	Y2	1573PPMGRD52WELLA5
36	34.42730203	-118.650016	2025-05-13T15:55:02Z	Y21	Ppm740grd246surface
37	34.42694304	-118.648947	2025-05-13T16:10:18Z	Y22	Ppm580grd 248surface
38	34.42790796	-118.648955	2025-05-13T16:47:31Z	Y23	Ppm636grd239surface/pipeno#
39	34.43366901	-118.640859	2025-05-13T16:21:02Z	Y3	2401PPMGRD21WELLC8
40	34.43418802	-118.641035	2025-05-13T16:27:35Z	Y4	20770PPMGRD48WELLC9
41	34.43084196	-118.645877	2025-05-13T17:11:30Z	Y411	Y41PPM230SURF94
42	34.43015196	-118.645404	2025-05-13T17:04:32Z	Y42	Y42PPM58-32SURF95
43	34.43013503	-118.645761	2025-05-13T16:56:35Z	Y45	PPM30-29SURF98

44	34.43483099	-118.641205	2025-05-13T16:33:35Z	Y5	1226PPMGRD48WELLSW65
45	34.43528202	-118.641294	2025-05-13T16:37:51Z	Y6	1835PPMGRD44WELLC11
46	34.42960798	-118.651094	2025-05-13T16:45:45Z	Y61	1500-Ppm grid 227-surface
47	34.42989799	-118.6481	2025-05-13T16:18:33Z	Y62	5000PPMSURF
48	34.42859	-118.650102	2025-05-13T17:49:39Z	Y63	1400-Ppm grid 241-well cv 24245-capped
49	34.42833301	-118.649879	2025-05-13T18:02:25Z	Y64	2400-Ppm grid 241-surface
50	34.428461	-118.6497	2025-05-13T18:07:53Z	Y65	6000-Ppm grid 240-surface
51	34.42848003	-118.649571	2025-05-13T18:14:57Z	Y66	7000-Ppm grid 240-surface
52	34.43594897	-118.640891	2025-05-13T16:41:28Z	Y7	2224PPMGRD64WELLC12
53	34.43617503	-118.640988	2025-05-13T16:49:34Z	Y8	10150PPMGRD65WELLC27
54	34.43727901	-118.64405	2025-05-13T15:21:10Z	Y81	Ppm748grid73cv2432well
55	34.43659899	-118.642948	2025-05-13T16:24:40Z	Y82	500Ppmgrid57wellcv24213
56	34.435479	-118.642306	2025-05-13T17:19:21Z	Y83	Ppm700grid63wellcv153b
57	34.43546198	-118.642313	2025-05-13T17:20:34Z	Y84	Ppm510grid63wellcv153s
58	34.43628098	-118.641045	2025-05-13T16:55:54Z	Y9	10470PPMGRD65WELLC15

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/ 2025
Technician:	Stephen Boehms
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
85	26.40	5-7-25								
79	26.82	"								
51	65.66	"								
52	96.78	"								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Dorbert
Instrument:	TVA1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
179	Y1	well UNmarked	3000	5-12-25								
161	Y101	well CV24169	900									
195	Y105	well CV24199	608									
83	Y81	Surface	520									
163	Y82	well CV24080	652									
157	Y41	well RAMSP04	608									
173	Y42	well RAM SP05	568									
200	Y43	well CV2354	956									
205	Y44	well SW68	614									
204	Y61	well CV2328	590									
158	Y62	well CV24024	5000									
153	Y63	well CV2305	6000									
148	Y64	well H150A	1200									
53	Y65	well UNmarked	600									
82	Y66	well CV24014	900									
149	Y67	well CV24153	590									
181	Y21	well CV2362	645									
181	Y22	well UNmarked	4032									
180	Y23	well UNmarked	806									
180	Y24	well CV1607	5023									
180	Y25	Surface	4098									
176	Y26	Surface	540									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chriquita

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Burkhart
Instrument:	TVA 1000
Calibration Standard:	500

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
176	Y27	well CV1902it	9056	5-12-25								
176	Y28	Surface	500									
177	Y29	well unmarked	1076									
156	Y31	well unmarked	500									
156	Y32	well CV2201	1423									
156	Y33	well CV2404	700									
145	Y34	well unmarked	1423									
77	Y36	well P2	500									
77	Y37	Surface	500									
77	Y38	surface	1023									
77	Y39	Surface	4021									
77	Y121	Surface	500									
77	Y122	Surface	1523									
77	Y123	well CV2412U	1523									
77	Y126	well CV1902	4523									
78	Y128	Surface	2823									
79	Y132	Surface	4424									
80	Y133	well CVH-1	700									

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025		Page | of | Pages
Technician:	Stephen Bernhardt		
Instrument:			
Calibration Standard:			

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
169	B41	well 2450	398						
180	B51	well CV24087	482						
105	B52	well CV24170	202						
204	B61	well CV2350	270						
176	B30	well CV2403	200						
145	B25	Surface	200						
77	B124	Surface	200						
77	B125	Surface	300						
78	B127	Surface	200						
78	B129	Surface	300						
78	B130	Surface	200						
78	B131	Surface	200						

5-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43711297	-118.647179	2025-05-12T18:36:41Z	B124	200Ppmgrd77surface
2	34.43701901	-118.647038	2025-05-12T18:39:11Z	B125	300Ppmgrd77surface
3	34.43719796	-118.646869	2025-05-12T18:43:30Z	B127	200Ppmgrd78surface
4	34.437104	-118.646728	2025-05-12T18:46:28Z	B129	300Ppmgrd78surface
5	34.437147	-118.646555	2025-05-12T18:48:55Z	B130	200Ppmgrd78surface
6	34.43703602	-118.646156	2025-05-12T19:05:20Z	B131	200Ppmgrd78surface
7	34.43664299	-118.647639	2025-05-12T18:06:27Z	B25	200Ppmgrd145surface
8	34.43489	-118.649785	2025-05-12T17:16:09Z	B30	200Ppmgrd176Wellcv2403
9	34.43373296	-118.649918	2025-05-12T17:01:36Z	B41	Ppm398grid169well2450
10	34.43281297	-118.650841	2025-05-12T16:07:31Z	B61	270Ppm grid 204-well cv2350
11	34.43301396	-118.64809	2025-05-12T16:37:18Z	B81	Ppm482grd160wellcv-24087
12	34.43314204	-118.648462	2025-05-12T16:44:03Z	B82	Ppm202grd165wellcv-24170
13	34.43537196	-118.649677	2025-05-12T17:20:01Z	Y1	Grd179ppm3000well
14	34.433193	-118.647699	2025-05-12T15:56:00Z	Y101	Y101PPM900WELLCV24169
15	34.43182097	-118.647354	2025-05-12T16:25:35Z	Y105	Y105PP600CV24199
16	34.43694902	-118.647417	2025-05-12T18:26:06Z	Y121	500Ppmgrd77surface
17	34.43695203	-118.647331	2025-05-12T18:29:07Z	Y122	1523Ppmgrd77surface
18	34.43685598	-118.647277	2025-05-12T18:31:35Z	Y123	1523Ppmgrd77wellccv24120
19	34.43699101	-118.647253	2025-05-12T18:33:57Z	Y124	3245Ppmgrd77surface
20	34.43716301	-118.646948	2025-05-12T18:41:09Z	Y126	4523Ppmgrd77wellccnsmp01
21	34.43709402	-118.646776	2025-05-12T18:44:56Z	Y128	2823Ppmgrd78surface
22	34.43700501	-118.645966	2025-05-12T19:06:33Z	Y132	4424Ppmgrd79surface
23	34.43768797	-118.644118	2025-05-12T19:14:34Z	Y133	700Ppmgrd80wellcvH-1
24	34.43491297	-118.651035	2025-05-12T16:04:34Z	Y21	645Ppmgrd181wellcv2352
25	34.43486502	-118.650899	2025-05-12T16:12:51Z	Y22	4032Ppmgrd181wellnoid
26	34.43523601	-118.65065	2025-05-12T16:26:43Z	Y23	806Ppmgrd180wellnoid
27	34.435321	-118.650468	2025-05-12T16:38:48Z	Y24	5023Ppmgrd180wellCv1607
28	34.43536601	-118.650292	2025-05-12T16:43:55Z	Y25	4098Ppmgrd180surface
29	34.43469202	-118.650193	2025-05-12T16:52:28Z	Y26	540Ppmgrd176surface
30	34.434616	-118.650283	2025-05-12T16:54:08Z	Y27	9056Ppmgrd176wellcv1902A
31	34.43473804	-118.650054	2025-05-12T16:57:23Z	Y28	500Ppmgrd176surface
32	34.43499302	-118.649303	2025-05-12T17:26:21Z	Y29	1076Ppmgrd177wellnoid
33	34.43551001	-118.648856	2025-05-12T17:38:22Z	Y31	500Ppmgrd156wellnoid
34	34.43557899	-118.648831	2025-05-12T17:41:08Z	Y32	1423Ppmgrd156wellcv2201
35	34.43565703	-118.64838	2025-05-12T17:48:20Z	Y33	700Ppmgrd156wellCv24040
36	34.43665196	-118.647901	2025-05-12T18:03:23Z	Y34	1423Ppmgrd145wellnoid
37	34.43692102	-118.647658	2025-05-12T18:15:05Z	Y36	500Ppmgrd77wellp2
38	34.43690401	-118.647616	2025-05-12T18:17:31Z	Y37	500Ppmgrd77surface
39	34.436917	-118.647585	2025-05-12T18:21:39Z	Y38	1023Ppmgrd77surface
40	34.43696201	-118.647485	2025-05-12T18:24:11Z	Y39	4021Ppmgrd77surace
41	34.434875	-118.648474	2025-05-12T16:10:23Z	Y41	Ppm608grid157wellramsp04
42	34.43428097	-118.649682	2025-05-12T16:20:40Z	Y42	Ppm568grid173wellramsp05

43	34.43367597	-118.651335	2025-05-12T17:17:08Z	Y43	Ppm556grid202wellcv2354
44	34.43352501	-118.652021	2025-05-12T17:41:30Z	Y44	Ppm614grid205wellsw68
45	34.43434199	-118.648301	2025-05-12T16:31:31Z	Y61	590-Ppm grid 158-well cv2328
46	34.43475103	-118.647406	2025-05-12T17:07:03Z	Y62	5000-Ppm grid 153-well cv24074
47	34.43523299	-118.646488	2025-05-12T17:33:38Z	Y63	6000-Ppm grid 148-well cv2305
48	34.43533801	-118.645769	2025-05-12T17:43:08Z	Y64	1200-Ppm grid 53-well h1804a
49	34.43427502	-118.645703	2025-05-12T18:03:40Z	Y65	6000-Ppm grid 82-un marked well
50	34.43460401	-118.646054	2025-05-12T18:12:51Z	Y66	900-Ppm grid 82-well cv24094
51	34.434429	-118.646416	2025-05-12T18:22:11Z	Y67	590 Ppm grid 149well cv 24153
52	34.43402197	-118.646337	2025-05-12T15:46:57Z	Y81	Ppm520grd83suface
53	34.43246101	-118.64807	2025-05-12T16:55:50Z	Y82	Ppm652grd163wellcv-24089

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Bonhert
Instrument:	TVA1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
179	Y1	well UNMARKED	3000	5-12-25								
161	Y101	well CV24169	900									
195	Y105	well CV24199	608									
83	Y81	Surface	520									
163	Y82	well CV24089	652									
157	Y41	well RAMSP04	608									
173	Y42	well RAM SP05	568									
200	Y43	well CV2354	956									
205	Y44	well SW68	614									
204	Y61	well CV2328	590									
158	Y62	well CV24074	5000									
153	Y63	well CV2305	6000									
148	Y64	well HISOIA	1200									
53	Y65	well UNMARKED	600									
82	Y66	well CV24094	900									
149	Y67	well CV24153	590									
181	Y21	well CV2362	645									
181	Y22	well UNMARKED	4032									
180	Y23	well UNMARKED	806									
180	Y24	well CV1607	5023									
180	Y25	Surface	4098									
176	Y26	Surface	540									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Burchus
Instrument:	TVA 1000
Calibration Standard:	500

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
176	Y27	well CV1902A	9056	5-12-25								
176	Y28	Surface	500									
177	Y29	well unmarked	1076									
156	Y31	well unmarked	500									
156	Y32	well CV2201	1423									
156	Y33	well CV2404	700									
145	Y34	well unmarked	1423									
77	Y36	well P2	500									
77	Y37	Surface	500									
77	Y38	surface	1023									
77	Y39	Surface	4021									
77	Y121	Surface	500									
77	Y122	Surface	1523									
77	Y123	well CV2412D	1523									
77	Y126	well unmarked	4523									
78	Y128	Surface	2823									
79	Y132	Surface	4424									
80	Y133	well CVH-1	700									

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025		Page | of | Pages
Technician:	Stephen Bernhardt		
Instrument:			
Calibration Standard:			

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
169	B41	Well 2450	398						
180	B81	Well CV2408	482						
105	B82	Well CV 24170	202						
204	B61	Well CV 2350	270						
176	B30	Well CV2403	200						
145	B25	Surface	200						
77	B124	Surface	200						
77	B125	Surface	300						
78	B127	Surface	200						
78	B129	Surface	300						
78	B130	Surface	200						
78	B131	Surface	200						

5-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43711297	-118.647179	2025-05-12T18:36:41Z	B124	200Ppmgrd77surface
2	34.43701901	-118.647038	2025-05-12T18:39:11Z	B125	300Ppmgrd77surface
3	34.43719796	-118.646869	2025-05-12T18:43:30Z	B127	200Ppmgrd78surface
4	34.437104	-118.646728	2025-05-12T18:46:28Z	B129	300Ppmgrd78surface
5	34.437147	-118.646555	2025-05-12T18:48:55Z	B130	200Ppmgrd78surface
6	34.43703602	-118.646156	2025-05-12T19:05:20Z	B131	200Ppmgrd78surface
7	34.43664299	-118.647639	2025-05-12T18:06:27Z	B25	200Ppmgrd145surface
8	34.43489	-118.649785	2025-05-12T17:16:09Z	B30	200Ppmgrd176Wellcv2403
9	34.43373296	-118.649918	2025-05-12T17:01:36Z	B41	Ppm398grid169well2450
10	34.43281297	-118.650841	2025-05-12T16:07:31Z	B61	270Ppm grid 204-well cv2350
11	34.43301396	-118.64809	2025-05-12T16:37:18Z	B81	Ppm482grd160wellcv-24087
12	34.43314204	-118.648462	2025-05-12T16:44:03Z	B82	Ppm202grd165wellcv-24170
13	34.43537196	-118.649677	2025-05-12T17:20:01Z	Y1	Grd179ppm3000well
14	34.433193	-118.647699	2025-05-12T15:56:00Z	Y101	Y101PPM900WELLCV24169
15	34.43182097	-118.647354	2025-05-12T16:25:35Z	Y105	Y105PP600CV24199
16	34.43694902	-118.647417	2025-05-12T18:26:06Z	Y121	500Ppmgrd77surface
17	34.43695203	-118.647331	2025-05-12T18:29:07Z	Y122	1523Ppmgrd77surface
18	34.43685598	-118.647277	2025-05-12T18:31:35Z	Y123	1523Ppmgrd77wellccv24120
19	34.43699101	-118.647253	2025-05-12T18:33:57Z	Y124	3245Ppmgrd77surface
20	34.43716301	-118.646948	2025-05-12T18:41:09Z	Y126	4523Ppmgrd77wellccnsmp01
21	34.43709402	-118.646776	2025-05-12T18:44:56Z	Y128	2823Ppmgrd78surface
22	34.43700501	-118.645966	2025-05-12T19:06:33Z	Y132	4424Ppmgrd79surface
23	34.43768797	-118.644118	2025-05-12T19:14:34Z	Y133	700Ppmgrd80wellcvH-1
24	34.43491297	-118.651035	2025-05-12T16:04:34Z	Y21	645Ppmgrd181wellcv2352
25	34.43486502	-118.650899	2025-05-12T16:12:51Z	Y22	4032Ppmgrd181wellnoid
26	34.43523601	-118.65065	2025-05-12T16:26:43Z	Y23	806Ppmgrd180wellnoid
27	34.435321	-118.650468	2025-05-12T16:38:48Z	Y24	5023Ppmgrd180wellCv1607
28	34.43536601	-118.650292	2025-05-12T16:43:55Z	Y25	4098Ppmgrd180surface
29	34.43469202	-118.650193	2025-05-12T16:52:28Z	Y26	540Ppmgrd176surface
30	34.434616	-118.650283	2025-05-12T16:54:08Z	Y27	9056Ppmgrd176wellcv1902A
31	34.43473804	-118.650054	2025-05-12T16:57:23Z	Y28	500Ppmgrd176surface
32	34.43499302	-118.649303	2025-05-12T17:26:21Z	Y29	1076Ppmgrd177wellnoid
33	34.43551001	-118.648856	2025-05-12T17:38:22Z	Y31	500Ppmgrd156wellnoid
34	34.43557899	-118.648831	2025-05-12T17:41:08Z	Y32	1423Ppmgrd156wellcv2201
35	34.43565703	-118.64838	2025-05-12T17:48:20Z	Y33	700Ppmgrd156wellCv24040
36	34.43665196	-118.647901	2025-05-12T18:03:23Z	Y34	1423Ppmgrd145wellnoid
37	34.43692102	-118.647658	2025-05-12T18:15:05Z	Y36	500Ppmgrd77wellp2
38	34.43690401	-118.647616	2025-05-12T18:17:31Z	Y37	500Ppmgrd77surface
39	34.436917	-118.647585	2025-05-12T18:21:39Z	Y38	1023Ppmgrd77surface
40	34.43696201	-118.647485	2025-05-12T18:24:11Z	Y39	4021Ppmgrd77surace
41	34.434875	-118.648474	2025-05-12T16:10:23Z	Y41	Ppm608grid157wellramsp04
42	34.43428097	-118.649682	2025-05-12T16:20:40Z	Y42	Ppm568grid173wellramsp05

43	34.43367597	-118.651335	2025-05-12T17:17:08Z	Y43	Ppm556grid202wellcv2354
44	34.43352501	-118.652021	2025-05-12T17:41:30Z	Y44	Ppm614grid205wellsw68
45	34.43434199	-118.648301	2025-05-12T16:31:31Z	Y61	590-Ppm grid 158-well cv2328
46	34.43475103	-118.647406	2025-05-12T17:07:03Z	Y62	5000-Ppm grid 153-well cv24074
47	34.43523299	-118.646488	2025-05-12T17:33:38Z	Y63	6000-Ppm grid 148-well cv2305
48	34.43533801	-118.645769	2025-05-12T17:43:08Z	Y64	1200-Ppm grid 53-well h1804a
49	34.43427502	-118.645703	2025-05-12T18:03:40Z	Y65	6000-Ppm grid 82-un marked well
50	34.43460401	-118.646054	2025-05-12T18:12:51Z	Y66	900-Ppm grid 82-well cv24094
51	34.434429	-118.646416	2025-05-12T18:22:11Z	Y67	590 Ppm grid 149well cv 24153
52	34.43402197	-118.646337	2025-05-12T15:46:57Z	Y81	Ppm520grd83suface
53	34.43246101	-118.64807	2025-05-12T16:55:50Z	Y82	Ppm652grd163wellcv-24089

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Sanchez
Instrument:	TVA1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
73	Y81	well CV2932	748	5-13-25								
57	Y82	well 24213	500									
63	Y83	well CV1538	700									
63	Y84	well CV1535	510									
227	Y61	Surface	1500									
227	Y62	Surface	5000									
241	Y63	well CV24245	1400									
241	Y64	Surface	2400									
240	Y65	Surface	6000									
240	Y66	Surface	7000									
246	Y21	Surface	740									
248	Y22	Surface	580									
239	Y23	PIPE	636									
55	Y101	well CV2707	1000									
60	Y102	well CV2402	600									
36	Y103	well CV2324	1000									
37	Y104	well H-2165E	2000									
38	Y105	well CV1703	1000									
35	Y106	well H1501S	700									
51	Y107	well CV6	800									
50	Y108	well CV8	800									
57	Y109	well CV9	3000	↓								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Gardner
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
59	Y121	Well H-21660	760	5-13-25								
59	Y122	Well CV24111	1,952									
32	Y123	Well H-21886	1,521									
33	Y124	Well CV24109	860									
31	Y125	Surface	1,218									
30	Y126	Well CV24191	970									
84	Y127	Well H-18045	4023									
92	Y128	Well CV009	990									
92	Y129	Surface	1,232									
93	41	Well A-1	1,850									
52	42	Well A-5	1,573									
21	43	Well C-8	2,401									
48	44	Well C-9	29,770									
49	45	Well SW-65	1,226									
44	46	Well C-11	1,835									
64	47	Well C-12	22-24									
65	48	Well C-27	10,150									
65	49	Well C-15	10,470									
58	410	Well H-22	3,768									
71	411	Well C-23	10,360									
71	412	Well C-22	791	✓								

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025		Page 1 of 1 Pages
Technician:	Stephen Borchers		
Instrument:	TVA1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
249	B21	Surface	227	5-13-25					
39	B102	well CV24211	300						
94	B41	Surface	230						
102	B61	Surface	209						
237	B68	well 237	230						
32	B121	well CV1907	400						
84	B123	well H1764	200						
91	B124	Surface	300						
92	B125	well CGSM501	300						
92	B1	Well A-2	232						
50	B2	Well unmarked	242						
80	B3	Well SW-80	391	✓					

5-13-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.431582	-118.643322	2025-05-13T15:55:39Z	B1	1815PPMGRD92WALLA1
2	34.43272797	-118.643822	2025-05-13T17:24:29Z	B102	Ppm300grd39
3	34.43426404	-118.64488	2025-05-13T17:07:35Z	B121	400Ppmgrd33wellCv-1907
4	34.43318001	-118.645599	2025-05-13T17:42:49Z	B123	200Ppmgrd84wellH1764N
5	34.43177998	-118.644574	2025-05-13T18:14:01Z	B124	300Ppmgrd91surface
6	34.43155702	-118.644326	2025-05-13T18:28:18Z	B125	300Ppmgrd92wellccsms01
7	34.43193496	-118.643066	2025-05-13T16:02:05Z	B2	242PPMGRD50WELLUNMARKED
8	34.42755483	-118.6486347	2025-05-13T16:25:38Z	B21	Ppm227 grd249surface
9	34.43830999	-118.643325	2025-05-13T17:19:42Z	B3	391PPMGRD80WELLSW80
10	34.42811097	-118.648395	2025-05-13T15:36:59Z	B41	PPM230WEll237
11	34.43016596	-118.647648	2025-05-13T16:24:15Z	B61	PPM209SURF102
12	34.4283833	-118.6481041	2025-05-14T12:39:45Z	B68	230PPM WELL237
13	34.431223	-118.643782	2025-05-13T15:53:25Z	Y1	1850PPMGRD93WELLA1
14	34.43691197	-118.641523	2025-05-13T17:01:49Z	Y10	3768PPMGRD58PIPEH22
15	34.43601804	-118.644202	2025-05-13T16:00:05Z	Y101	Ppm1000grd55
16	34.43525797	-118.644159	2025-05-13T16:14:40Z	Y102	Ppm600grd60
17	34.434516	-118.6442	2025-05-13T16:19:54Z	Y103	Ppm1000grd36
18	34.43423999	-118.64416	2025-05-13T16:23:25Z	Y104	Ppm2000grd37
19	34.43341001	-118.643984	2025-05-13T16:41:40Z	Y105	Ppm1000grd38
20	34.43288203	-118.644454	2025-05-13T16:46:00Z	Y106	Ppm700grd35
21	34.43270098	-118.642831	2025-05-13T17:32:13Z	Y107	Ppm800grd51
22	34.431999	-118.643821	2025-05-13T17:37:01Z	Y108	Ppm800 WELLCV8
23	34.43315101	-118.641607	2025-05-13T18:26:18Z	Y109	Ppm3000 WELLCV9
24	34.43796298	-118.642632	2025-05-13T17:11:33Z	Y11	10310PPMGRD71WELLC23
25	34.43819297	-118.642845	2025-05-13T17:15:12Z	Y12	791PPMGRD71WELLC22
26	34.43558201	-118.644827	2025-05-13T16:24:58Z	Y121	760Ppmgrd59wellH-2166c
27	34.43534103	-118.644926	2025-05-13T16:34:06Z	Y122	1952Ppmgrd59wellCv24111
28	34.43442598	-118.644788	2025-05-13T17:00:55Z	Y123	1521Ppmgrd32wellH-2168-c
29	34.43400504	-118.644854	2025-05-13T17:16:31Z	Y124	800Ppmgrd33wellcv24109
30	34.43394997	-118.64542	2025-05-13T17:23:02Z	Y125	1218Ppmgrd30surface
31	34.43385802	-118.645563	2025-05-13T17:25:57Z	Y126	970Ppmgrd30cv24191
32	34.43311798	-118.645674	2025-05-13T17:37:25Z	Y127	4023Ppmgrd84wellH-1804s
33	34.43183798	-118.644236	2025-05-13T18:21:44Z	Y128	990Ppmgrd92wellcv-009
34	34.43190998	-118.644229	2025-05-13T18:23:37Z	Y129	1232Ppmgrd92surface
35	34.43249202	-118.641657	2025-05-13T16:15:23Z	Y2	1573PPMGRD52WELLA5
36	34.42730203	-118.650016	2025-05-13T15:55:02Z	Y21	Ppm740grd246surface
37	34.42694304	-118.648947	2025-05-13T16:10:18Z	Y22	Ppm580grd 248surface
38	34.42790796	-118.648955	2025-05-13T16:47:31Z	Y23	Ppm636grd239surface/pipeno#
39	34.43366901	-118.640859	2025-05-13T16:21:02Z	Y3	2401PPMGRD21WELLC8
40	34.43418802	-118.641035	2025-05-13T16:27:35Z	Y4	20770PPMGRD48WELLC9
41	34.43084196	-118.645877	2025-05-13T17:11:30Z	Y411	Y41PPM230SURF94
42	34.43015196	-118.645404	2025-05-13T17:04:32Z	Y42	Y42PPM58-32SURF95
43	34.43013503	-118.645761	2025-05-13T16:56:35Z	Y45	PPM30-29SURF98

44	34.43483099	-118.641205	2025-05-13T16:33:35Z	Y5	1226PPMGRD48WELLSW65
45	34.43528202	-118.641294	2025-05-13T16:37:51Z	Y6	1835PPMGRD44WELLC11
46	34.42960798	-118.651094	2025-05-13T16:45:45Z	Y61	1500-Ppm grid 227-surface
47	34.42989799	-118.6481	2025-05-13T16:18:33Z	Y62	5000PPMSURF
48	34.42859	-118.650102	2025-05-13T17:49:39Z	Y63	1400-Ppm grid 241-well cv 24245-capped
49	34.42833301	-118.649879	2025-05-13T18:02:25Z	Y64	2400-Ppm grid 241-surface
50	34.428461	-118.6497	2025-05-13T18:07:53Z	Y65	6000-Ppm grid 240-surface
51	34.42848003	-118.649571	2025-05-13T18:14:57Z	Y66	7000-Ppm grid 240-surface
52	34.43594897	-118.640891	2025-05-13T16:41:28Z	Y7	2224PPMGRD64WELLC12
53	34.43617503	-118.640988	2025-05-13T16:49:34Z	Y8	10150PPMGRD65WELLC27
54	34.43727901	-118.64405	2025-05-13T15:21:10Z	Y81	Ppm748grid73cv2432well
55	34.43659899	-118.642948	2025-05-13T16:24:40Z	Y82	500Ppmgrid57wellcv24213
56	34.435479	-118.642306	2025-05-13T17:19:21Z	Y83	Ppm700grid63wellcv153b
57	34.43546198	-118.642313	2025-05-13T17:20:34Z	Y84	Ppm510grid63wellcv153s
58	34.43628098	-118.641045	2025-05-13T16:55:54Z	Y9	10470PPMGRD65WELLC15

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	500

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
B	421	WELL TD38	700	5-14-25								

5-14-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.42974896	-118.642698	2025-05-14T15:00:23Z	Y21	700PPM WELLT038

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Bonhus
Instrument:	TVA 1000
Calibration Standard:	25

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
155	27.59	5-14-25								
163	75.19	↓								
81	26.73									
82	139									
149	71.26									
159	34.81	✓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/ 2025		2nd QTR/2025								
Technician:	Stephen Boehms		Jerry Munoz								
Instrument:	TVA 1000		TVA 1000								
Calibration Standard:	25ppm		25 PPM								
Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days				
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	
85	26.40	5-7-25		5-16-25	19.80						
79	26.82				17.98						
51	65.66				11.10						
52	26.78	↓		↓	12.65						

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita canyon INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: # 45 SERIAL #: 67210439

MONITORING DATE: 5-16-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.8 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.9 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	7
#3	24.5 ppm	20 ppm	6
Calculate Response Time (1+2+3) / 3			#DIV/0! Must be less than 30 seconds

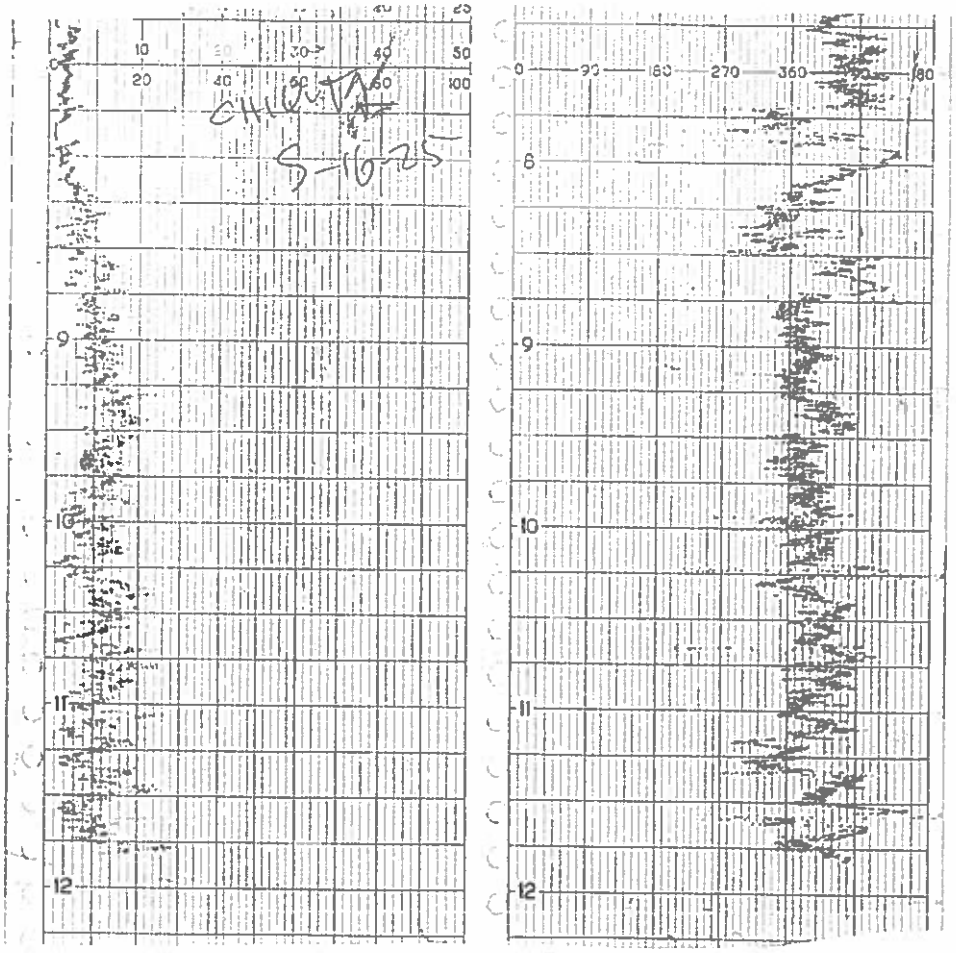
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	24.9 ppm	.01
#2	0.67 ppm	25.0 ppm	0
#3	0.71 ppm	24.5 ppm	.05
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By J. Munoz Date/Time: 5-6-25 0730

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025
Technician:	Stephen Borches	Jerry Munoz
Instrument:	TVA1000	TVA1000
Calibration Standard:	25ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
165	51.25	5-6-25		5-16-25	23.70					
167	56.41	↓		↓	20.65					
154	54.13				20.48					
195	25.20				17.43					
199	28.50				9.55					
214	33.30				18.25					
88	28.20				9.20					
204	64.00				17.25					
206	26.20	↓		↓	19.85					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita canyon INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: # 45 SERIAL #: 67210439

MONITORING DATE: 5-16-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.8 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.9 ppm	20 ppm	6
#2	25.0 ppm	20 ppm	7
#3	24.5 ppm	20 ppm	6
Calculate Response Time (1+2+3) / 3			#DIV/0! Must be less than 30 seconds

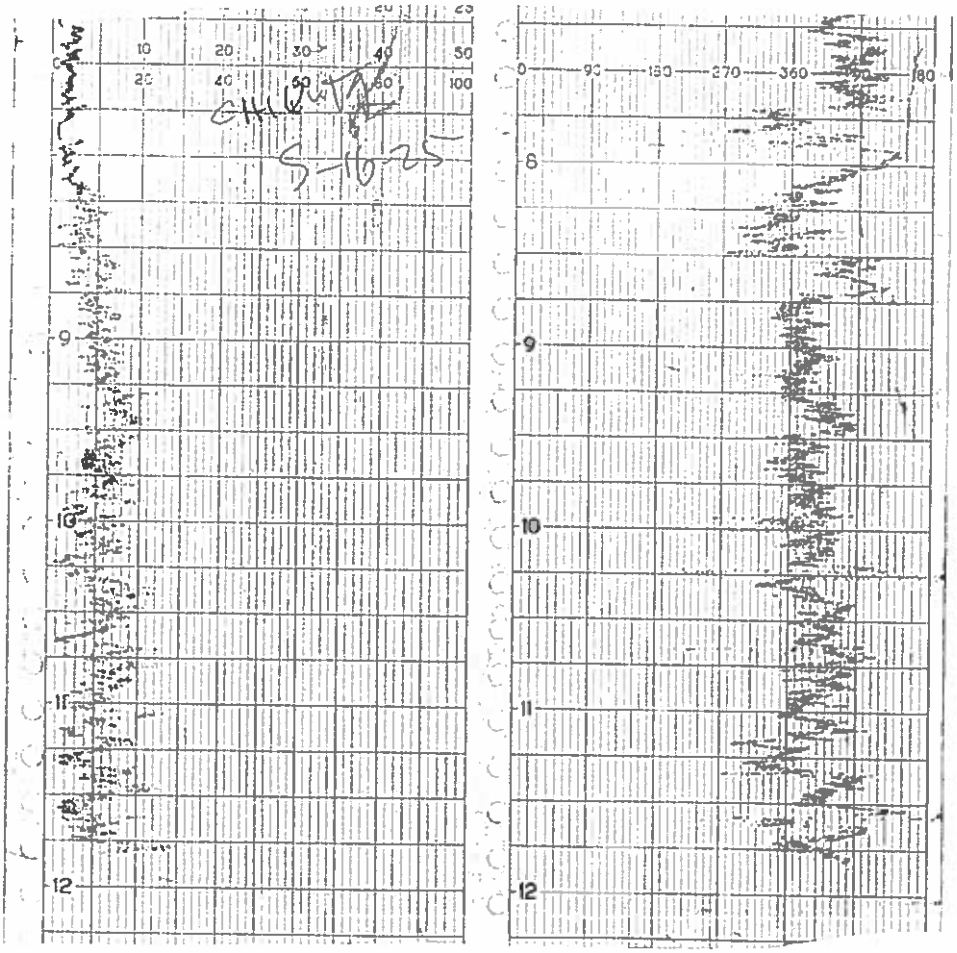
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	24.9 ppm	.01
#2	0.67 ppm	25.0 ppm	0
#3	0.71 ppm	24.5 ppm	.05
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: J. Munoz Date/Time: 5-6-25 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	2ND QTR 2025
Technician:	Stephen Burchett	Eric Gomez	JMUNOZ
Instrument:	TVA1000	TVA 1000	TVA 1000
Calibration Standard:	500ppm	500 ppm	500 PM

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
174	Y41	CV2342A	506	4-28-25	0822	5-6-25	177			5-16-25		
171	Y42	CV2307	2,500		0834			5014	0910		105	
159	Y43	CV2472	750		0825			933	0915		210	
204	Y61	Surface	678		0839			683	0940		79.6	
166	Y62	CV2408J	644		0815			617	0920		45.2	
80	Y101	Well H1	5,170		0900		183					
79	Y102	well CV24141	595		0921		298					
79	Y103	well CV48R	6,285		0923			842	0829		200	
78	Y104	well CV24123	5,760		0925			859	0825		103	
78	Y105	Surface SVE	1,273		0928			623	0824		99.6	
78	Y106	well CV24122	4,512		0931			6647	0822		22.9	
78	Y107	well CV24125	10,000		0934		7.3					
77	Y108	well CV1113	4,575		0942		96					
78	Y109	well CCNSM 201	10,000		0938			8972	0820		300	
77	Y110	well CV24124	5,623		0944		4.6					
77	Y111	well unmarked	1620		0947			652	0813		310	
77	Y112	well CCNSM 202	60,000		0950			24,973	0811		416	
66	Y113	well 2316A	710		1002		9.1					
53	Y114	well CV2319	3684		1010			1140	0800		89.6	
53	Y115	well H1804A	1,357		1012			1513	0802		92.1	
81	Y116	well CV1426	2,148		0905			3138	0843		47.6	
81	Y117	well H1955C	1530		0907			1507	0840		19.2	

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	2nd QTR 2025
Technician:	Stephen Butchers	Eric Gomez	V. Munoz
Instrument:	TVA1000	TVA 1000	TVA 1000
Calibration Standard:	500ppm	500 ppm	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work *	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
81	Y118	well HZ1473	1339	4-28-25	0903	5-6-25		1374	0845	5-6-25	89.6	
82	Y119	well CV24150	1647		0912			1157	0849		74.3	
82	Y120	well CV24644	9,751		0914			1724	0852		22.1	
82	Y121	Black Pipe	3,644		0916			2422	0854		19.6	
99	Y122	steel pipe	10,000		1040			1,584	0856		59.9	
216	Y123	Cplg w Pipe Elec.	6,723		0845			6702	0935		46.1	
175	Y21	CV2353	900		0805		232					
176	Y22	CV1902A	750		0807		3.2					
156	Y23	CV2201	900		0830			1534	0925		310	

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA CANYON INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #19 SERIAL #: 0720723818

MONITORING DATE: 5-16-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.8 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	5
#2	500 ppm	450 ppm	5
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

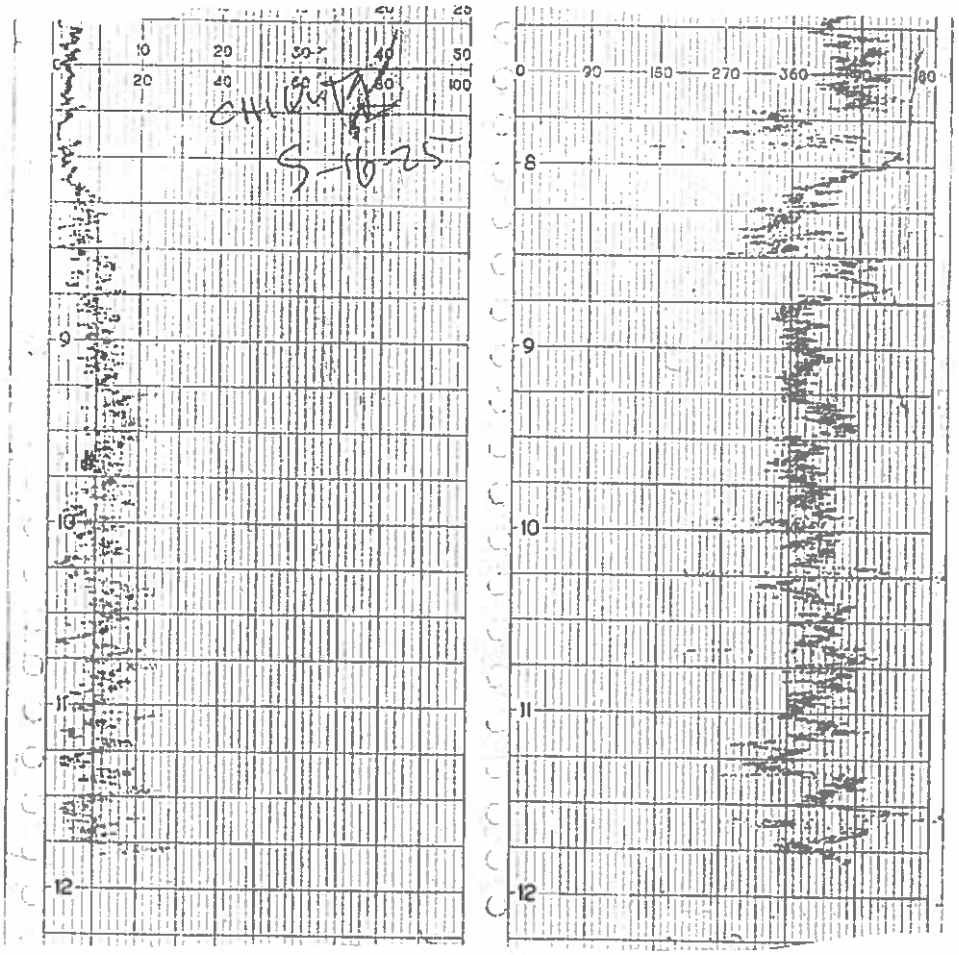
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.59 ppm	500 ppm	0
#2	0.58 ppm	500 ppm	0
#3	0.60 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.1 #DIV/0! Must be less than 10%

Performed By: J. Munoz Date/Time: 5-16-25 0730

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
199	25.62	5-14-25								
195	25.71	↓								
185	46.34									
180	68.63									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchardt
Instrument:	TVA 1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
215	29.30	5-20-25								
214	27.90	↓								

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 5-22-25 | Weather Conditions Sunny

Technician Robert Johns | Temp. 82° °F

Inst. GEM | Model 5000 | Wind Speed (MPH) & Direction 4 E

Serial # G500530 | Barometric Pressure 29.98 in. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal.%	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-A - 10	0934	5-22-25	0.0	0.0	21.1	78.9	6	-.38	
51	0933		0.0	0.0	21.1	78.9	19	-1.61	
102	0935		0.0	0.0	21.2	78.8	39	+.06	
151.5	0937		0.0	0.0	21.2	78.8	95	-.24	
GP-1R - 26	1103		0.0	0.1	21.9	78.0	16	+.10	
38	1105		0.0	0.1	22.2	77.7	26	+.06	
47	1107		0.0	0.1	22.3	77.6	18	+.07	
GP-2 - 15.5	1049		0.0	0.1	20.6	79.3	16	+.07	
44.5	1052		0.0	0.1	21.2	78.7	18	+.07	
53	1054		0.0	0.1	21.3	78.6	19	+.06	
GP-5 - 10	1039		0.0	4.8	16.3	76.9	6	+.13	
45	1041		0.0	0.3	20.8	78.9	18	+.10	
93	1043		0.0	0.1	20.7	79.2	64	+.08	
GP-6 - 10	1031		0.0	0.3	20.7	79.0	6	+.14	
30	1033		0.0	0.7	20.3	79.0	20	+.09	
60	1035		0.0	0.0	20.9	79.1	41	-.30	
GP-7 - 10	1024		0.0	0.3	20.7	79.0	6	+.03	
30	1026		0.0	1.5	18.9	79.6	20	+.32	
60	1028		0.0	0.2	20.5	79.3	41	-.06	
GP-8 - 10	1014		0.0	0.4	21.0	78.6	6	+.10	
60	1016		0.0	0.4	19.4	80.2	41	+.11	
120	1018		0.0	0.6	20.2	79.2	75	+.11	
GP-9 - 25	1006		0.0	1.0	20.1	78.9	16	+.08	
55	1008		0.0	0.1	21.3	78.6	20	+.11	
83	1010		0.0	0.0	21.5	78.5	51	+.09	
GP-10 - 22	0943		0.0	2.2	18.2	79.6	17	+.41	
37	0945		0.0	1.3	17.5	81.2	26	-.20	
63	0947		0.0	0.0	21.2	78.8	42	-.11	
87	0949		0.0	0.0	21.3	78.7	59	-.09	
GP-11 - 10	0918		0.0	0.6	20.4	79.0	6	-.23	
70	0920		0.0	7.4	10.7	81.9	49	-.70	
141	0922		0.0	1.6	16.4	82.0	102	-.36	
208	0924	✓	0.0	1.0	19.4	79.6	137	-.41	

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 5-22-25 Weather Conditions Sunny

Technician Robert Johns Temp 82° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 4 E

Serial # G500530 Barometric Pressure 29.98 in. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal.%	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-12 - 12	0859	5-22-25	0.0	0.1	20.5	79.4	4	+.10	
38	0902		0.0	0.0	20.5	79.5	26	+.08	
74	0904		0.0	0.0	20.5	79.5	50	+.08	
110	0906		0.0	0.0	20.7	79.3	75	0.09	
224	0908		0.0	0.0	20.7	79.3	171	+.31	
GP-13 - 10	0833		0.0	0.5	19.6	79.9	6	+.03	
29	0834		0.0	5.0	17.0	78.0	19	.0	
58	0841		25.9	11.8	1.7	60.6	39	-.18	
87	0847		4.6	8.9	3.2	83.3	59	-.88	
173	0852		10.9	4.7	2.1	82.3	109	+.05	
GP-14 - 10	0749		0.0	0.0	21.0	79.0	6	-.05	
23	0752		0.0	0.1	20.9	79.0	15	.01	
44	0753		0.0	1.8	16.7	79.5	30	.01	
67	0756		0.0	3.7	11.6	84.7	46	-.45	
134	0758		0.0	3.9	13.9	82.2	92	-2.67	

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd QTR / 2025	
Technician:	Stephen Bouchard	Travis Pennington	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
73	Y81	well CV2913.2	748	5-13-25	9:27	5-22-25		503				
57	Y82	well 24213	500		9:34		29					
63	Y83	well CV1538	700		9:38			556				
63	Y84	well CV1535	570		9:39		481					
227	Y61	Surface	1500		8:10			1250				
227	Y62	Surface	5000		8:09		93					
241	Y63	well CV24245	1400		7:45			1200				
241	Y64	Surface	2400		7:46			1400				
240	Y65	Surface	6000		7:49			3007				
240	Y66	Surface	7000		7:49			566				
246	Y21	Surface	740		7:36			900				
248	Y22	Surface	580		7:53		326					
239	Y23	PIPE	636		7:54		280					
55	Y101	well CV2703	1000		9:11		28.2					
60	Y102	well CV24102	600		8:39		11.2					
36	Y103	well CV2324	1000		9:09		36					
37	Y104	well H-168E	2000		9:19			1296				
38	Y105	well CV1703	1000		9:24		109					
35	Y106	well H-80IS	700		8:42		176					
51	Y107	well CV6	800		8:35			846				
50	Y108	well CV8	800		8:31		214					
57	Y109	well CV9	3000	✓	9:00	✓	384					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Beaches	Jason Connection	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
59	Y121	well H-21666	760	5-13-25	9:06	5-22-25		3056				
59	Y122	well CV24111	1,952		9:05			2000				
32	Y123	well H-21885	1,521		8:56			970				
33	Y124	well CV24109	860		8:55			566				
31	Y125	surface	1,218		8:51			908				
30	Y126	well CV24191	970		8:52			903				
84	Y127	well H-18045	4023		9:16		842					
92	Y128	well CV009	990		8:28		344					
92	Y129	surface	1,232		8:29		234					
93	41	well A-1	1,850		1002			780				
52	42	well A-5	1,573		1003			920				
21	43	well G-8	2,401		1005			1200				
48	44	well C-9	2,770		1006			1400				
49	45	well SW-65	1,226		1009			1050				
44	46	well C-11	1,835		1011			987				
64	47	well C-12	2,224		1015			1762				
65	48	well C-27	10,150		1017			2012				
65	49	well G-15	10,470		1018			1980				
59	410	well H-22	2,768		1020			1560				
71	411	well C-23	10,360		10:22			517				
71	412	well C-22	741	✓	10:24			639				

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025				2nd QTR / 2025				Page 6 of 7 Pages	
Technician:	Stephen Borchers				Jacob Pennington					
Instrument:	TVA1000				TVA 1000					
Calibration Standard:	500 ppm				500 ppm					
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments	
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm		
249	B21	Surface	227	5-13-25	7:55	5-22-25	175			
39	B162	well CV24211	300		0925		111			
94	B41	Surface	230		7:58		56.2			
102	B61	Surface	209		8:11		181			
237	B68	well 237	230		8:00		89.4			
32	B121	well CV1907	400		8:59		198			
84	B123	well H1764	200		8:51		140			
91	B124	Surface	300		8:05		164			
92	B125	well CCSM501	300		8:26		165			
92	B1	Well A-2	232		7:40		148			
50	B2	Well unmarked	242		7:31		86.4			
80	B3	well SW-80	391	↓	7:46	↓	172			

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 1 SERIAL #: 10.3205.32

MONITORING DATE: 5-22-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 508 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.1 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	505 ppm	450 ppm	7
#2	508 ppm	450 ppm	6
#3	508 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			6.7 #DIV/0! Must be less than 30 seconds

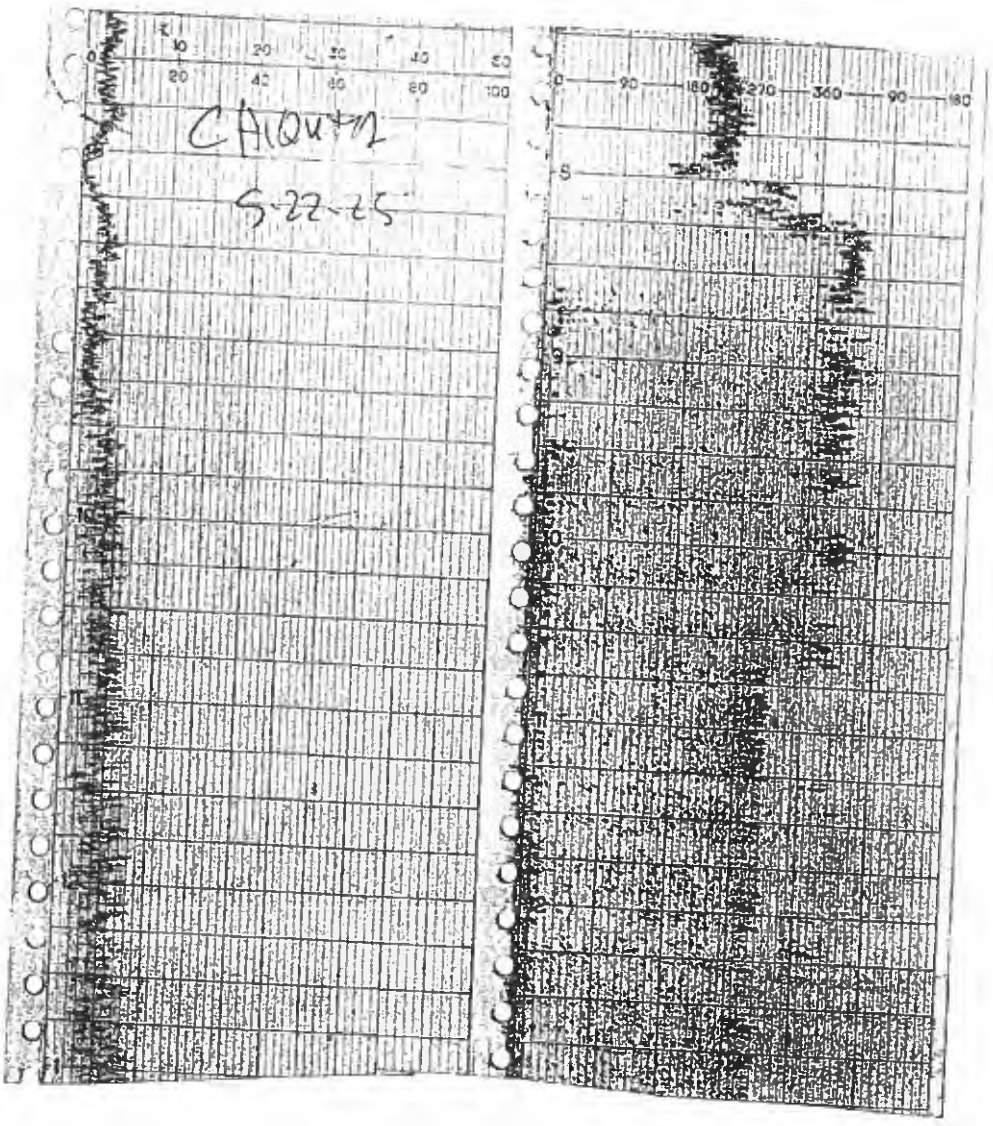
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.5 ppm	505 ppm	5
#2	0.8 ppm	508 ppm	8
#3	0.8 ppm	508 ppm	8
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			1.4 % #DIV/0! Must be less than 10%

Performed By: J. Pennington Date/Time: 5-22-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025	2nd Quarter 2025	
Technician:	Stephen Bordner	D Hernandez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
179	Y1	well UNMARKED	3000	5-12-25	0835	5/22/25		2732				
161	Y101	well CV24169	900		0937		117					
195	Y105	well CV24199	608		1022		173					
83	Y81	Surface	520		1006		90.7					
163	Y82	well CV24089	652		1019		36.5					
157	Y41	well RAMSP04	608		0947		45.4					
173	Y42	well RAMSP05	568		0858		98.9					
200	Y43	well CV2354	956		0909		330					
205	Y44	well SW68	614		0911		88.7					
204	Y61	well CV2328	590		0945		172					
158	Y62	well CV24024	5000		0953			3760				
153	Y63	well CV2305	6000		0956			7851				
148	Y64	well H1801A	1200		0958		410					
53	Y65	well UNMARKED	600		1010		146					
82	Y66	well CV24014	900		1001		173					
149	Y67	well CV24153	590		1002		199					
181	Y21	well CV2362	645		0843		93.7					
181	Y22	well UNMARKED	4032		0842			3760				
180	Y23	well UNMARKED	806		0839		347					
180	Y24	well EV1607	5023		0838			4177				
180	Y25	Surface	4098		0838			960				
176	Y26	Surface	540		0851	▽	93.6					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2024	2nd Quarter 2025	
Technician:	Stephen Burchus	D Hernandez	
Instrument:	TVA 1000	TVA1000	
Calibration Standard:	500	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
176	Y27	well CV1902A	9056	5-12-25	0850	5/22/25		1465				
178	Y28	Surface	500		0851		112					
177	Y29	well unmarked	1076		0833		397					
156	Y31	well unmarked	500		0830		62.4					
156	Y32	well CV2201	1423		0830		421					
156	Y33	well CV2404	700		0828		210					
145	Y34	well unmarked	1423		0820		191					
77	Y36	well P2	500		0814		21.1					
77	Y37	Surface	500		0813		62.4					
77	Y38	Surface	1023		0813		260					
77	Y39	Surface	4021		0811		397					
77	Y121	Surface	500		0811		133					
77	Y122	Surface	1523		0808			670				
77	Y123	well CV2412	1523		0809		440					
77	Y126	well unmarked	4523		0802			3650				
78	Y128	Surface	2823		0756			930				
79	Y132	Surface	4424		0754			1368				
80	Y133	well CVH-1	700		0748		114					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025	2nd Quarter 2025			Page | of | Pages
Technician:	Stephen Beerbower	D Hernandez			
Instrument:		TVA 1000			
Calibration Standard:		500 ppm			

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
169	B41	Well 2450	398		0901	5/22/25	105		
180	B81	Well CV2487	482		0935	↓	93.1		
105	B82	Well CV24170	202		0933		16.6		
204	B61	Well CV2350	270		0920		9.7		
176	B30	Well CV2403	200		0854		34.9		
145	B25	Surface	200		0817		17.8		
77	B124	Surface	200		0805		11.4		
77	B125	Surface	300		0804		80.6		
78	B127	Surface	200		0801		40.2		
78	B129	Surface	300		0756		33.1		
78	B130	Surface	200		0757		23.7		
78	B131	Surface	200		0755	↓	14.3		

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 3 SERIAL #: 158605884

MONITORING DATE: 5-22-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.1 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	502 ppm	450 ppm	8
#2	504 ppm	450 ppm	5
#3	504 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			6 #DIV/0! Must be less than 30 seconds

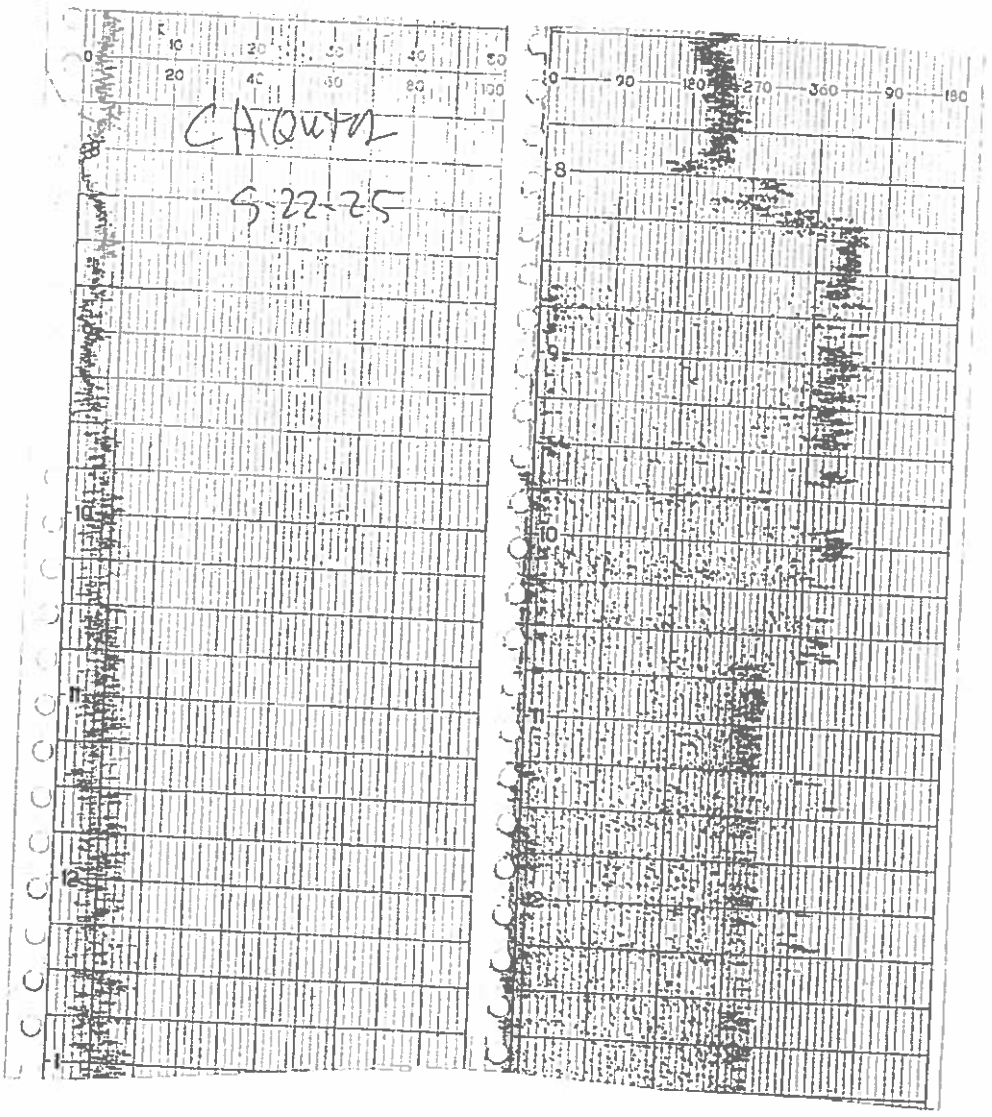
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.3 ppm	502 ppm	2
#2	0.4 ppm	504 ppm	4
#3	0.4 ppm	504 ppm	4
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.7 % #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time 5-22-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025	2nd Quarter 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
B	421	Well TD38	700	5-14-25	CB1	5/22/25	460					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 3 SERIAL #: 158605884

MONITORING DATE: 5-22-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.1 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	502 ppm	450 ppm	8
#2	504 ppm	450 ppm	5
#3	504 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			6 #DIV/0! Must be less than 30 seconds

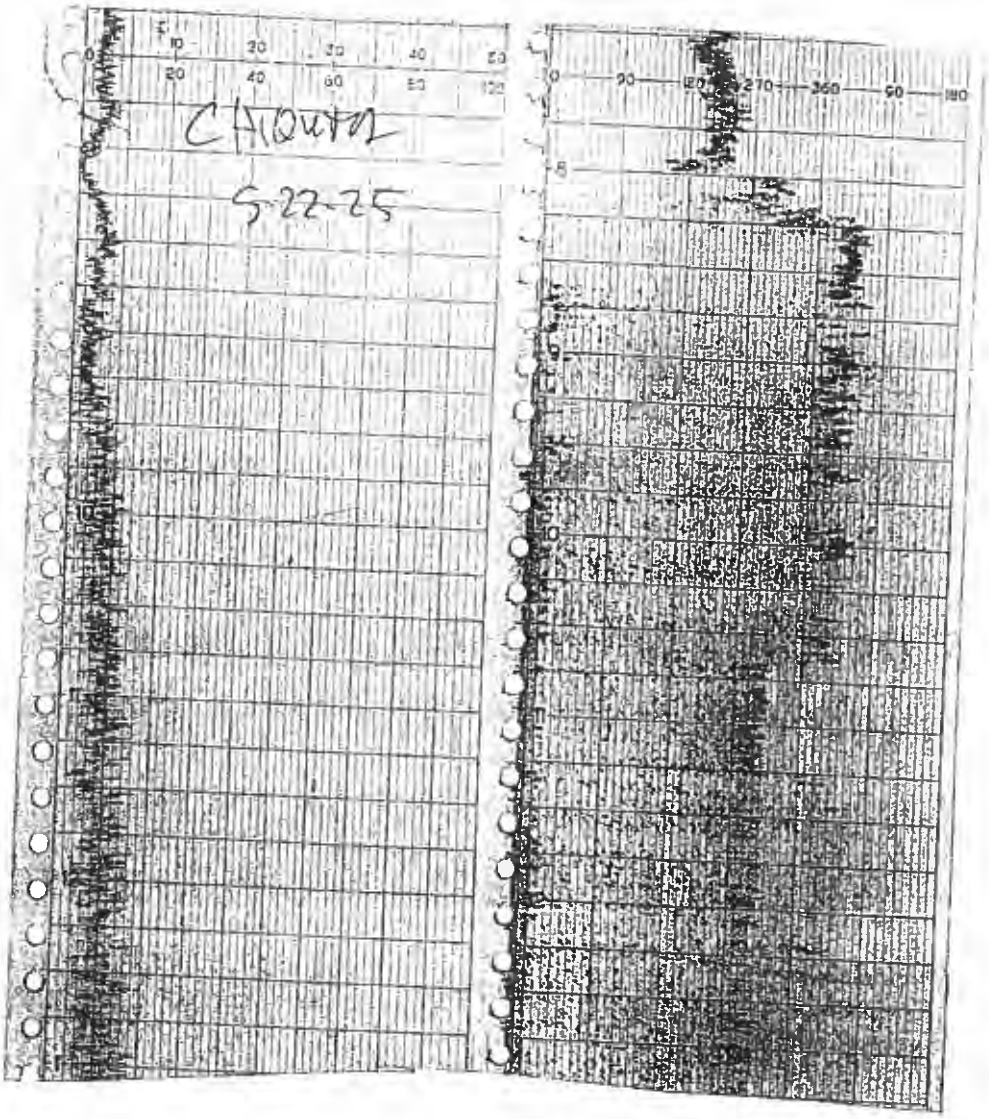
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.3 ppm	502 ppm	2
#2	0.4 ppm	504 ppm	4
#3	0.4 ppm	504 ppm	4
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.7% #DIV/0! Must be less than 10%

Performed By: D. Hernandez Date/Time: 5-22-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA LANDFILL

Page of Pages

Quarter / Year:	2ND QTR 2025	2nd QTR / 2025
Technician:	STEPHEN BORDERS	Frank Morcay
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	500PPM	500 ppm

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
96	Y61	CU 24115	1200	4-23-25	847	5-22-25	439					
99	Y62	SURFACE	4600		846		438					
216	Y63	CASING) WELL	560		845		392					
208	Y41	SURFACE	3400		837		179					
210	Y42	SURFACE/PIPE	6400		832		234					
211	Y44	SURFACE/PIPE	1500		830		94					
128	Y1	VOID	500		824		126					
150	Y2	SURFACE	6000		823		46					
145	Y5	VOID	1360		819		126					
145	Y6	VOID	960		817		256					
145	Y7	SURFACE	3460		816		390					
145	Y8	WELL PI	4923		815		472					
77	Y9	SURFACE	2952		814		112					
77	Y10	SURFACE	6345		812		271					
77	Y11	SURFACE	1366		811		213					
27	Y13	SURFACE	740		808		131					
78	Y14	SURFACE	500		800		127					
78	Y15	WELLCAP	500		759		248					
77	Y16	SURFACE	500		806		54					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd 2025	2nd QTR 2025	
Technician:	Stephen Borchers	"	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
82	4101	NOT MARKED	5,000	4-22-25	917	5-22-25	372					
53	4102	CV 2319	700		928		144					
53	4103	H18041A	750		920		126					
81	4104	H19550	1,200		918		250					
171	482	DL-52	2,546		928		121					
170	483	CV 2362	2,980		929		216					
169	485	DL-56	8,900		932		461					
167	486	LB-70	3,500		934		396					
166	488	DL-85	598		927		136					
159	489	CHW-V74R	560		926		251					
180	441	No ID	771		951		306					
173	442	Surface	4,023		940		486					
173	443	No ID	560		940		156					
177	444	Surface	823		945		207					
165	421	CV24087	569	↓	1006	↓	138					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 40 SERIAL #: 768073384

MONITORING DATE: 5-22-25 TIME: 0736

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 498 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.1 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	497 ppm	450 ppm	4
#3	498 ppm	450 ppm	4
Calculate Response Time (1+2+3) / 3			4.7 #DIV/0! Must be less than 30 seconds

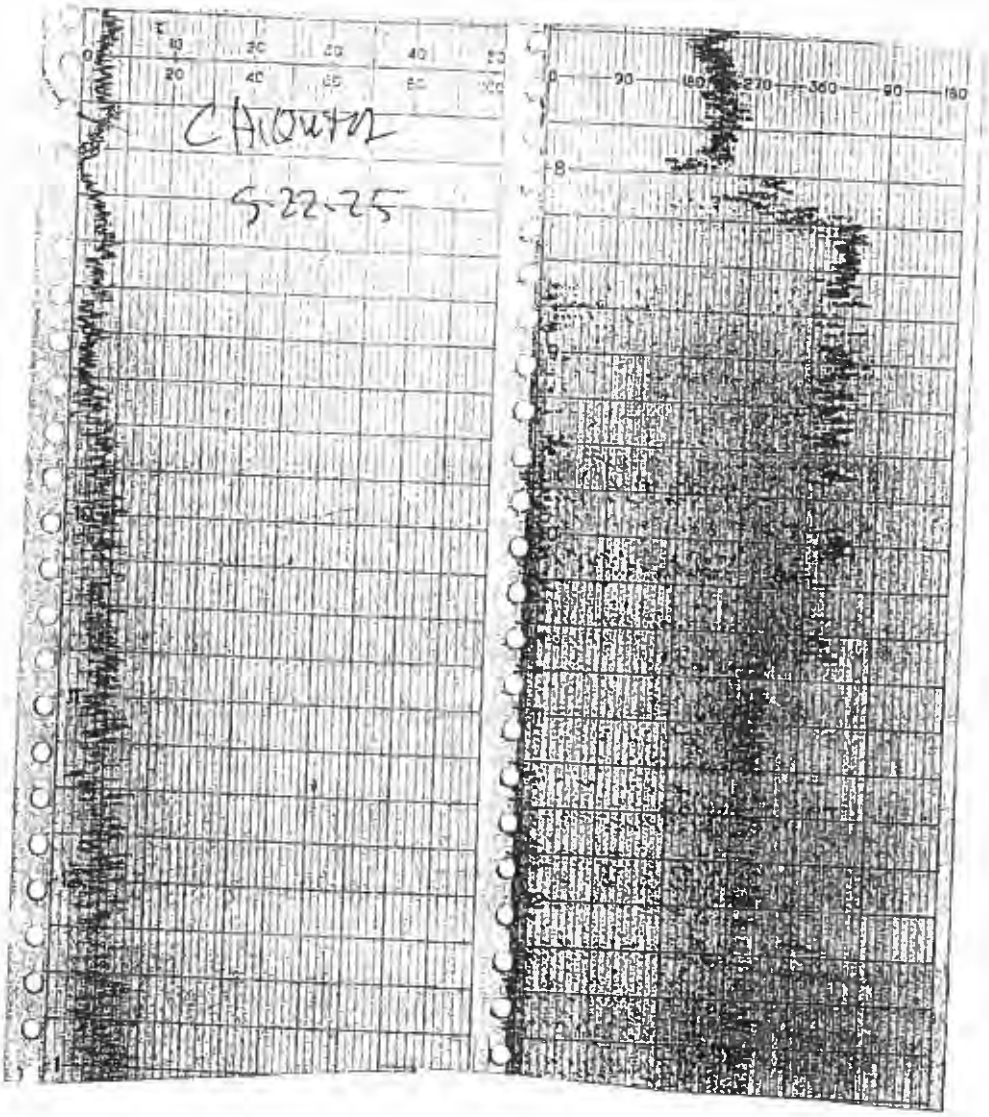
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.3 ppm	497 ppm	3
#2	1.3 ppm	497 ppm	3
#3	1.2 ppm	498 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.5% #DIV/0! Must be less than 10%

Performed By: F. Moreau Date/Time 5-22-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025		2nd QTR / 2025								
Technician:	Stephen Borchers		Albino Lopez								
Instrument:	TVA 1000		TVA 1000								
Calibration Standard:	25 ppm		25 PPM								
Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days				
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	
79	60.32	5-15-25		5-22-25	18.3						
79	28.40	↓		↓	23.2						
125	44.85				12.6						
208	32.33	↓		↓	24.6						

RMS Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 59 SERIAL #: 768083 84

MONITORING DATE: 5-22-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.7 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.1 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.4 ppm	22.5 ppm	5
#2	24.7 ppm	22.5 ppm	7
#3	24.7 ppm	22.5 ppm	7
Calculate Response Time (1+2+3) / 3			6.3 #DIV/0! Must be less than 30 seconds

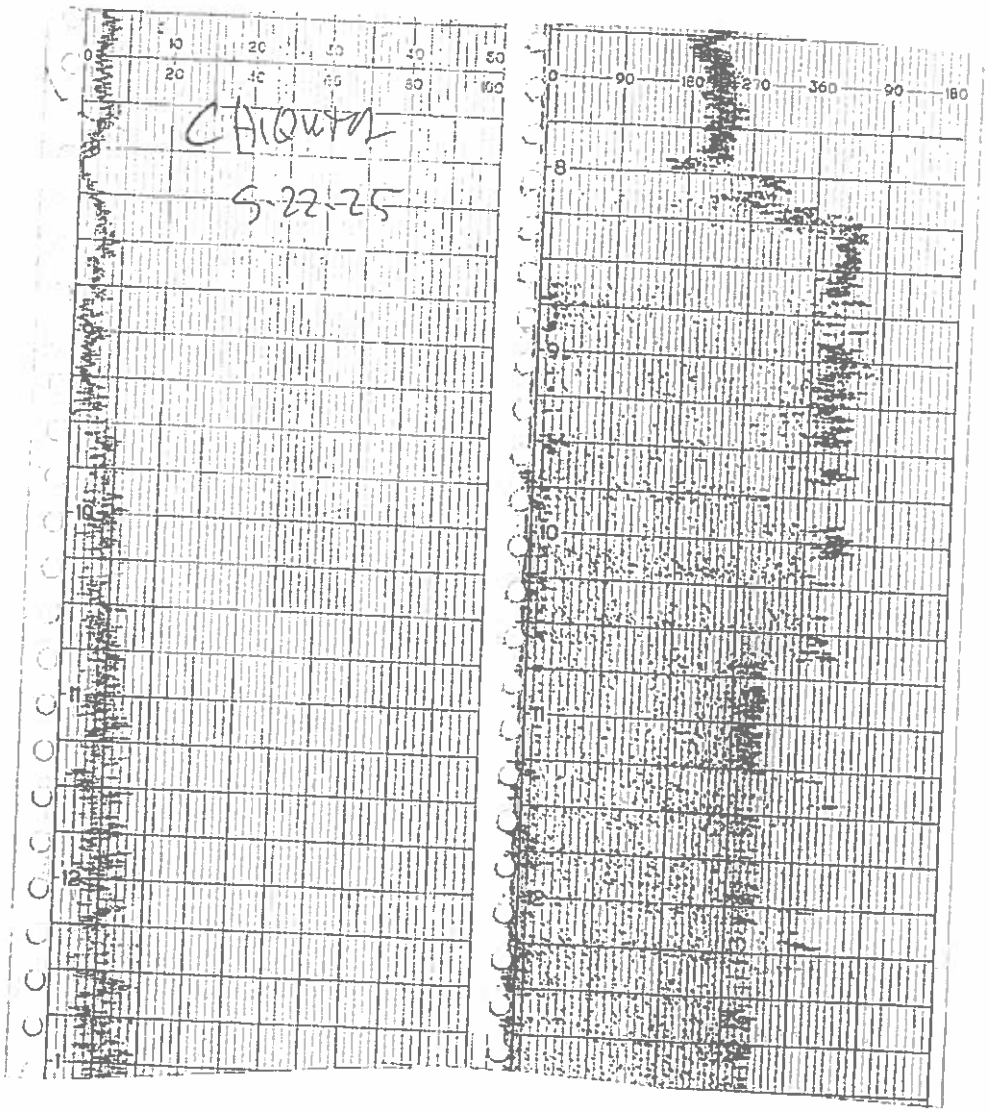
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.4 ppm	24.4 ppm	0.6
#2	0.7 ppm	24.7 ppm	0.3
#3	0.7 ppm	24.7 ppm	0.3
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1		1.8% #DIV/0! Must be less than 10%

Performed By: A. Lopez Date/Time: 5-22-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita LandFill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025
Technician:	Stephen Barbaris	Alberto Lopez
Instrument:	TVA 1000	TVA 1000
Calibration Standard:	25	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
155	27.59	5-14-25		5-22-25	24.5					
163	75.19	↓		↓	19.6					
81	26.73				24.3					
82	139				22.8					
149	71.26				20.4					
159	34.81	↓		↓	24.4					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 59 SERIAL #: 746808384

MONITORING DATE: 5-22-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.7 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.1 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.4 ppm	22.5 ppm	5
#2	24.7 ppm	22.5 ppm	7
#3	24.7 ppm	22.5 ppm	7
Calculate Response Time (1+2+3) / 3			6.3 #DIV/0! Must be less than 30 seconds

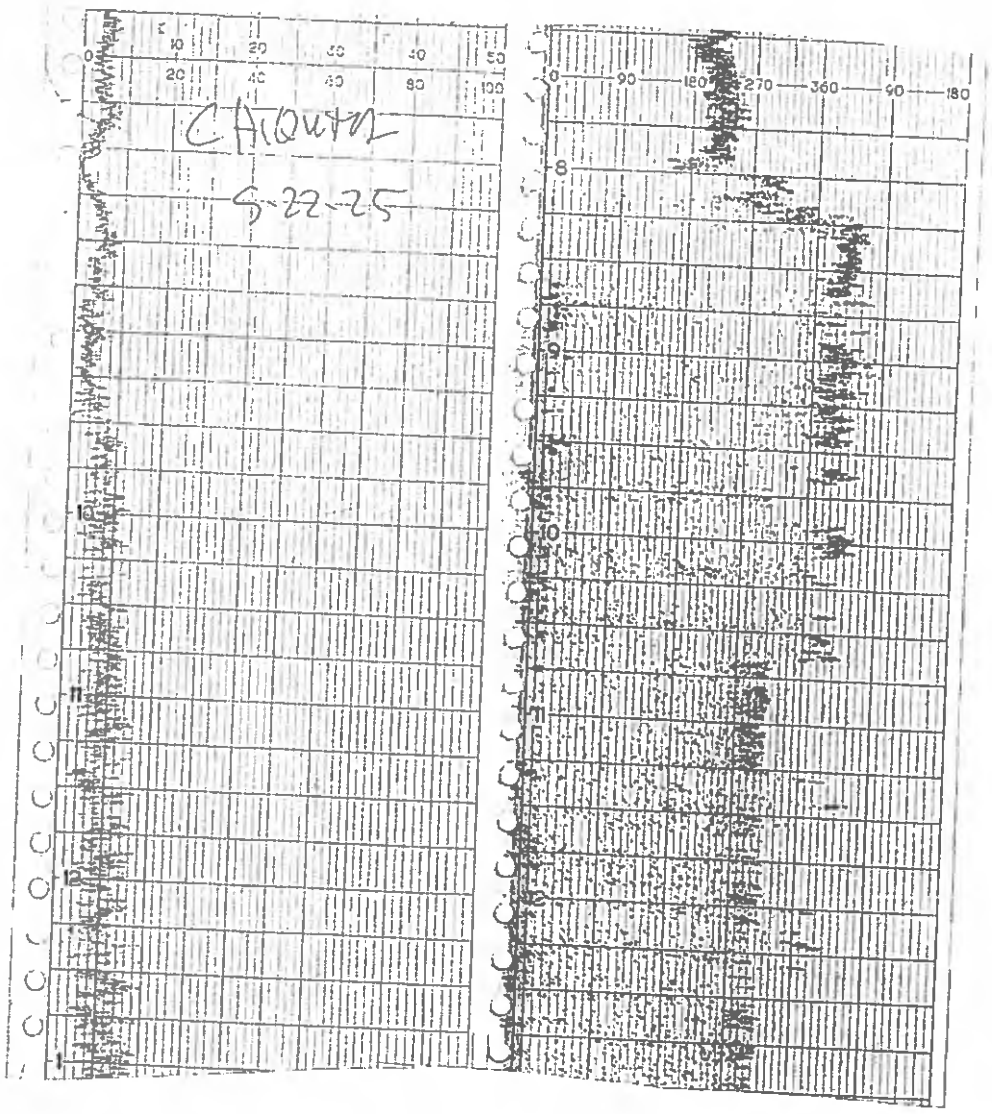
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.4 ppm	24.4 ppm	0.6
#2	0.7 ppm	24.7 ppm	0.3
#3	0.7 ppm	24.7 ppm	0.3
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1		1.8% #DIV/0! Must be less than 10%

Performed By: A. Lopez Date/Time: 5-22-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA LANDFILL

Quarter / Year:	2ND QTR 2025	2nd QTR / 2025	
Technician:	STERLING BOWLES	Frank Morcom	
Instrument:	TLA 1000	TVA 1000	
Calibration Standard:	500PPM	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
96	Y61	CV 24115	1200	4-24-25	847	5-22-25	439					
99	Y62	SURFACE	4600		846		438					
216	Y63	CASING WELL	560		845		392					
208	Y41	SURFACE	3400		837		139					
210	Y42	SURFACE/PIPE	6400		832		234					
211	Y44	SURFACE/PIPE	1500		830		94					
128	Y1	VOID	500		824		126					
150	Y2	SURFACE	6000		823		46					
145	Y5	VOID	1360		819		126					
145	Y6	VOID	960		817		256					
145	Y7	SURFACE	3960		816		390					
145	Y8	WELL PI	4923		815		472					
77	Y9	SURFACE	2952		814		112					
77	Y10	SURFACE	6345		812		231					
77	Y11	SURFACE	1366		811		213					
27	Y13	SURFACE	740		808		131					
78	Y14	SURFACE	500		800		127					
78	Y15	WELLCAP	560		759		248					
77	Y16	SURFACE	500		806		54					
150	Y3	SURFACE	900		822		49					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd 2025				2nd QTR 2025								
Technician:	Stephen Borchers												
Instrument:	TVA1000				TVA 1000								
Calibration Standard:	500ppm				500 ppm								
Initial Monitoring Event					**30 Day Re-Monitoring Event**				**First Re-Monitoring Event – 10 Days**				
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**No Excd. <500 ppm**	**Excd. >500 ppm**	**Remedial Work**	**Date Monitored**	**No Excd. <500 ppm**	**Excd. >500 ppm**
82	4101	NOT MARKED	5,000	4-22-25	917	5-22-25	376					
53	4102	CV2319	700		920		144					
53	4103	H18c1A	750		920		126					
81	4104	H19.5SD	1,200		918		250					
171	482	DL-52	2,546		928		121					
170	483	CV2362	2,980		929		216					
169	485	DL-56	8,900		932		461					
167	486	LB-70	3,500		934		396					
166	488	DL-85	598		927		136					
159	489	CHW-748	560		926		251					
180	441	No ID	771		951		306					
173	442	Surface	4,025		940		486					
173	443	No ID	500		940		156					
177	444	Surface	823		945		207					
165	421	CV24087	569	↓	1006	↓	138					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 40 SERIAL #: 768073384

MONITORING DATE: 5-22-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 498 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.1 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	497 ppm	460 ppm	4
#3	498 ppm	450 ppm	4
Calculate Response Time (1+2+3) / 3			4.7 #DIV/0! Must be less than 30 seconds

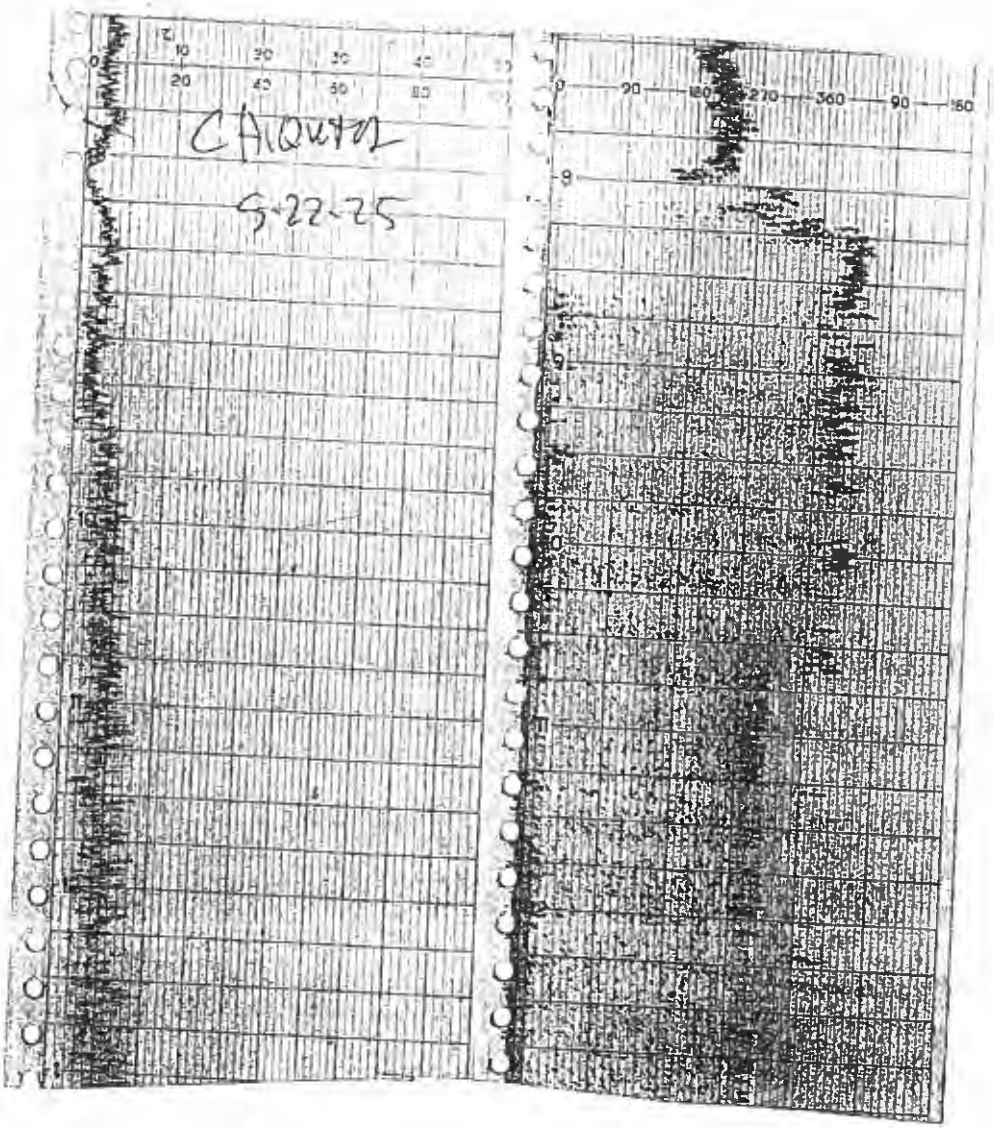
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.3 ppm	497 ppm	3
#2	1.3 ppm	497 ppm	3
#3	1.2 ppm	498 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.5% #DIV/0! Must be less than 10%

Performed By: F. Moreau Date/Time: 5-22-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site. Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Burches
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
178	Y121	well CV24027	6000	5-27-25								
178	Y122	well CV24020	2500									
184	Y123	well CV2311	1200									
194	Y81	well CV24116	745									
99	Y82	Surface	945									
197	Y83	well CV24198	1210									
149	Y43	well CV24153	800									
81	Y44	well CV1428	735									
82	Y45	well 24150	576									
196	Y58	well CV24193	560									
80	Y61	well 41	725									
80	Y62	VALVE 2452	10690									
79	Y63	well CV24147	2400									
79	Y64	well CV 48R	855									
78	Y65	well 24122	2100									
77	Y66	well CCNSMP01	1150									
77	Y67	Steel Pipe	10137									
77	Y68	well CCNSMP07	10179									
145	Y69	Steel Pipe	30333									
145	Y70	well CHEEP006	1150									
145	Y71	well CV24035	926									
145	Y72	well CV24031	1635									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	500

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
145	473	well CV2404	2,873	5-27-25								
150	474	well 2415	1,825									
150	475	well CV24028	1,016									
150	476	well CV 24022	3,184									
150	477	well CV2406	50,650									
150	478	well RAMP01	5,600									
151	479	well CV2441	50,000									
151	480	well CV2434	1,192									
76	4101	well CV1423	6,881									
76	4102	well CV1423	2,661									
152	4103	well CV025	1,850									
157	4104	well CV24046	6,250									
157	4105	well CV24038	50,142									
172	4106	well RAMSP04	2,065	↓								

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

			Page 1 of 1 Pages
Quarter / Year:	2nd QTR / 2025		
Technician:	Stephen Borchardt		
Instrument:	TVA 1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
194	B81	Surface	365	5-27-25					
159	B41	Well CV2415G	300	↓					
165	B50	Well CV2408	250						
78	B61	Surface / Pipe	245						
66	B62	Well 2316A	446						

5-27-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43395098	-118.64779	2025-05-27T15:17:39Z	B41	300ppmWEllCV24156
2	34.43311698	-118.64797	2025-05-27T16:19:20Z	B50	250PPMWEllCV2408
3	34.43740801	-118.646475	2025-05-27T16:04:48Z	B61	265Ppmgrd78surface/pipe
4	34.43603497	-118.646372	2025-05-27T18:30:52Z	B62	446Ppmgrd66well2316a
5	34.43102402	-118.645816	2025-05-27T18:06:31Z	B81	Surface 365 PPM
6	34.43636597	-118.646488	2025-05-27T18:19:33Z	Y101	6881Ppmgrd76wellcv24134
7	34.43625198	-118.646513	2025-05-27T18:22:02Z	Y102	2661Ppmgrd76wellcv1423
8	34.43537297	-118.647733	2025-05-27T18:43:26Z	Y103	1850Ppmgrd152wellp025
9	34.43520793	-118.6478192	2025-05-27T15:19:52Z	Y104	6250PPMWELLCV24046
10	34.4352915	-118.6481687	2025-05-27T15:28:32Z	Y105	50142PPMWEllCV24038
11	34.43477098	-118.648453	2025-05-27T18:56:23Z	Y106	2065Ppmgrd157wellramsp04
12	34.43611602	-118.648689	2025-05-27T15:31:21Z	Y21	6000Ppm grid 178-well cv24027
13	34.436012	-118.649319	2025-05-27T15:41:31Z	Y22	2500Ppm grid 178-well cv24020
14	34.43631803	-118.64988	2025-05-27T15:58:32Z	Y23	1200Ppm grid 184-well cv2311
15	34.43457702	-118.646479	2025-05-27T15:34:56Z	Y43	Y43PPM800WEllCV24153
16	34.43500198	-118.645973	2025-05-27T15:41:52Z	Y44	Y44PPM735WEllCV1426
17	34.43466797	-118.645799	2025-05-27T15:46:38Z	Y45	Y45PPM576WEll24150
18	34.43180798	-118.648755	2025-05-27T18:18:36Z	Y57	Y57PPM1375WEll29103
19	34.43183203	-118.647851	2025-05-27T18:25:25Z	Y58	Y58PPM560WEllCV24195
20	34.43773096	-118.644177	2025-05-27T15:46:12Z	Y61	725Ppmgrd80wellh1
21	34.43764899	-118.644281	2025-05-27T15:50:13Z	Y62	10690Ppmgrd80valvezp525
22	34.43754396	-118.645939	2025-05-27T15:54:55Z	Y63	2400Ppmgrd79wellcv2400
23	34.437378	-118.645811	2025-05-27T15:59:37Z	Y64	844Ppmgrd79welcv48r
24	34.437162	-118.646577	2025-05-27T16:09:35Z	Y65	2100Ppmgrd78wellcv24122
25	34.43719796	-118.646977	2025-05-27T16:20:47Z	Y66	1150Ppmgrd77wellccnsmp01
26	34.43689202	-118.647594	2025-05-27T17:04:31Z	Y67	10137Ppmgrd77steelpipe
27	34.43691004	-118.647648	2025-05-27T17:07:46Z	Y68	10179Ppmgrd77wellccnsmp02
28	34.43682496	-118.647776	2025-05-27T17:10:58Z	Y69	30333Ppmgrd145steelpipe
29	34.43636497	-118.647654	2025-05-27T17:16:57Z	Y70	1150Ppmgrd145wellchifp006
30	34.43642498	-118.647719	2025-05-27T17:19:13Z	Y71	926Ppmgrd145wellcv24035
31	34.43663101	-118.647886	2025-05-27T17:22:46Z	Y72	1635Ppmgrd145wellccv24030
32	34.43675296	-118.648159	2025-05-27T17:26:19Z	Y73	2873Ppmgrd145wellcv2424
33	34.43687601	-118.648601	2025-05-27T17:29:47Z	Y74	1828Ppmgrd150well2415
34	34.43632498	-118.648439	2025-05-27T17:35:38Z	Y75	1016Ppmgrd150wellcv24028
35	34.43651902	-118.648746	2025-05-27T17:38:28Z	Y76	3184Ppmgrd150wellcv24022
36	34.43606196	-118.648366	2025-05-27T17:50:12Z	Y77	50650Ppmgrd150nxttowellcv2206
37	34.436041	-118.648271	2025-05-27T17:53:52Z	Y78	5600Ppmgrd150wellrasmp01
38	34.43560297	-118.648309	2025-05-27T17:57:21Z	Y79	50000Ppmgrd151wellcv24040
39	34.43588804	-118.648027	2025-05-27T18:01:42Z	Y80	1192Ppmgrd151wellcv2441

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Beaulieu
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd >500 ppm
156	Y41	CV2201	20,562	5-28-25								
156	Y42	RAMSP02	30,996									
156	Y43	CV24039	60,410									
177	Y44	Blowpipe/cap	5,610									
176	Y45	CHEFP03	10,460									
174	Y46	CV23424	1,017									
163	Y47	Blowpipe	1,350									
196	Y48	CV24197	2,128									
214	Y49	H2163W	2,050									
214	Y50	H2161W	1,048									
215	Y51	H102A	2,650									
215	Y52	Blowpipe unmarked	2,972									
215	Y53	H103A	2,335									
36	Y21	CV24110	638									
37	Y22	H2169E	697									
42	Y23	CV17015	793									
73	Y01	CV24132	6,000									
59	Y02	CV24114	3,800									
54	Y03	H2166C	2,800									
66	Y04	CV24112	620									
57	Y05	CV24213	2,400									
63	Y06	CV535	7,000	✓								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician	Stephen Burchett
Instrument	TVA 1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd <500 ppm	Excd. >500 ppm
58	Y81	Surface	500	5-28-25								
65	Y82	Surface	505									
64	Y83	Well H29	580									
44	Y84	Surface	800									
45	Y85	Surface	806									
46	Y86	P52-800	960									
47	Y88	Well 24119	582									
52	Y89	Well TD17	902									
43	Y90	CV24212	508									
51	Y91	Surface	935									
92	Y92	CV009	985									
87	Y94	Surface	500									
94	Y96	Surface	560									
97	Y97	HDPESPR902	500									
95	Y98	Well D6	530									
215	Y62	Surface	3845									
227	Y63	Surface	1475									
227	Y64	Surface	1952									
227	Y65	Well N6d	5264									
228	Y66	CVCV2510	1826									
231	Y68	Surface	600									
231	Y69	BHGB1	793									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon Landfill

Quarter / Year:	2nd QTR 2025
Technician:	Stephen Barbieri
Instrument:	FVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
232	Y70	CH1L303N	5213	5-28-25								
232	Y71	1H7306N	500	〃								

5-28-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43426698	-118.644858	2025-05-28T16:10:43Z	B21	Ppm264grid33wellcv1907
2	34.43361897	-118.643325	2025-05-28T17:33:58Z	B22	Ppm316grid42wellcv1701d
3	34.43500601	-118.643296	2025-05-28T17:55:33Z	B23	Ppm386grid40wellcv2012
4	34.42971501	-118.651048	2025-05-28T15:33:33Z	B61	200Ppmgrd227surface
5	34.42909702	-118.649073	2025-05-28T16:37:29Z	B67	200Ppgrd229wellnoid
6	34.42930497	-118.648685	2025-05-28T16:47:23Z	B69	300Ppmgrd231sruface
7	34.43723501	-118.644028	2025-05-28T15:50:13Z	Y01	6000Ppm grid 73-well cv24132
8	34.43533902	-118.644927	2025-05-28T17:00:17Z	Y02	3800Ppm grid 59-well cv24111
9	34.435609	-118.64485	2025-05-28T17:06:09Z	Y03	2800Ppm grid 54well h2166c
10	34.43522897	-118.644141	2025-05-28T17:21:05Z	Y04	62CPpm grid 60-well cv24112
11	34.43659304	-118.642912	2025-05-28T18:06:16Z	Y05	2400Ppm grid 57-well cv 24213
12	34.43551697	-118.642328	2025-05-28T18:30:35Z	Y06	7000Ppm grid 63-well cv53s
13	34.43461499	-118.644613	2025-05-28T15:36:09Z	Y21	Ppm638grid36wellcv24110
14	34.43420696	-118.644184	2025-05-28T15:49:25Z	Y22	Ppm697grid37h2169ewell
15	34.43361302	-118.643322	2025-05-28T17:35:16Z	Y23	Ppm793grid42wellc1701s
16	34.43559098	-118.648828	2025-05-28T15:36:59Z	Y41	20562Ppmgrd156welcv2201
17	34.43552602	-118.648851	2025-05-28T15:39:10Z	Y42	30999Ppmgrd156wellramsp02
18	34.43530801	-118.648658	2025-05-28T15:42:25Z	Y43	60410Ppmgrd156wellcv24039
19	34.43501699	-118.649299	2025-05-28T15:54:38Z	Y44	5610Ppmgrd177blackpipewcap
20	34.43487307	-118.6502028	2025-05-28T12:07:12Z	Y45	10460PPMWELLCHIFPO31
21	34.4342	-118.650824	2025-05-28T16:20:06Z	Y46	1017Ppmgrd174wellcv2342a
22	34.432891	-118.648067	2025-05-28T16:48:43Z	Y47	1350Ppmgrd163blackpipe
23	34.43154001	-118.649059	2025-05-28T17:08:53Z	Y48	2128Ppmgrd199wellcv24193
24	34.43117397	-118.649822	2025-05-28T17:37:26Z	Y49	2050Ppmgrd214wellh2163w
25	34.43092	-118.650174	2025-05-28T17:43:40Z	Y50	1048Ppmgrd214wellh2161w
26	34.43111303	-118.650561	2025-05-28T17:50:42Z	Y51	2650Ppmgrd215wellh102a
27	34.43112804	-118.650599	2025-05-28T17:51:29Z	Y52	2972Ppmgrd215blackpipeunmarked
28	34.43120901	-118.650631	2025-05-28T17:54:29Z	Y53	2335Ppmgrd215wellh103a
29	34.42967302	-118.651054	2025-05-28T15:37:09Z	Y62	3845ppmgrd227surfcace
30	34.42963203	-118.651107	2025-05-28T15:41:24Z	Y63	1475Ppmgrd227surface
31	34.42961703	-118.651106	2025-05-28T15:43:03Z	Y64	1952Ppmgrd227surface
32	34.42948996	-118.650928	2025-05-28T15:45:40Z	Y65	5264Ppmgrd227wellNoId
33	34.42908503	-118.64981	2025-05-28T16:28:07Z	Y66	1820Ppmgrd228wellCvcv2510
34	34.42931796	-118.648586	2025-05-28T16:51:39Z	Y68	600Ppmgrd231surface
35	34.42928301	-118.648463	2025-05-28T16:56:04Z	Y69	7593Ppmgrd231wellBh-GB-1
36	34.42905301	-118.64841	2025-05-28T17:11:48Z	Y70	5213Ppmgrd232wellchh2303n
37	34.42945099	-118.647588	2025-05-28T17:22:27Z	Y71	500Ppmgrd232wellH-2306n
38	34.43655498	-118.642308	2025-05-28T15:41:22Z	Y81	Y81PPM500SURF58
39	34.43634636	-118.6413174	2025-05-28T12:08:23Z	Y82	505PPM SURFACE
40	34.43543097	-118.641793	2025-05-28T16:00:30Z	Y83	Y83PM580WEIIH29
41	34.43462203	-118.642268	2025-05-28T16:14:38Z	Y84	Y84PPM800SURF44
42	34.43462874	-118.6414378	2025-05-28T12:08:57Z	Y85	806PPM SURFACE

43	34.43402097	-118.642095	2025-05-28T16:24:32Z	Y86	Y86PPM900WEIIPS21800
44	34.43372299	-118.64229	2025-05-28T16:31:06Z	Y88	Y88PPM582WEII24119
45	34.432862	-118.64212	2025-05-28T17:59:19Z	Y89	Y89PPM902WEIITD17
46	34.43322301	-118.643058	2025-05-28T18:16:47Z	Y90	Y90PPM507CV24212
47	34.43268204	-118.642397	2025-05-28T18:04:50Z	Y91	Y91PPM935SURF51
48	34.43190202	-118.644207	2025-05-28T18:29:46Z	Y92	PPM885WEIICV009
49	34.43135099	-118.64548	2025-05-28T18:42:33Z	Y94	Y94PPM500SURP87
50	34.43100197	-118.645172	2025-05-28T18:52:38Z	Y96	Y96PPM560SURF94
51	34.43041901	-118.646308	2025-05-28T19:01:10Z	Y97	Y97PPM500WEIIHDPESPR902
52	34.4300725	-118.6453023	2025-05-28T12:09:32Z	Y98	530PPM WELLD6

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

			Page / of / Pages
Quarter / Year:	2nd QTR / 2025		
Technician:	Stephen Barnes		
Instrument:	TVA1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
227	B61	surface	200	5-28-25					
229	B67	well NOID	200	↓					
223	B69	surface	231						
33	B21	CV-1907	264						
40	B23	CV 2012	386						
42	B22	CV 17010	216	↓					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site Chiquita landfill

Quarter / Year:	2nd QTR / 2025
Technician	Stephen Borchers
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd >500 ppm
156	Y41	CV2201	20,562	5-28-25								
156	Y42	RansPO2	30,996									
156	Y43	CV24039	60,410									
177	Y44	Blowpipe/cap	5,610									
176	Y45	CHEFP031	10,460									
174	Y46	CV23424	1,017									
163	Y47	Blow pipe	1,350									
196	Y48	CV24197	2,128									
214	Y49	H2163W	2,050									
214	Y50	H2161W	1,048									
215	Y51	H102A	2,650									
215	Y52	Blowpipe unmarked	2,972									
215	Y53	H103A	2,335									
36	Y21	CV24110	638									
37	Y22	H2169E	697									
42	Y23	CV17015	793									
23	Y01	CV24132	6,000									
59	Y02	CV24111	3,800									
54	Y03	H2166C	2,800									
60	Y04	CV24112	620									
57	Y05	CV24213	2,400									
63	Y06	CV535	7,000									

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Bunch-ox
Instrument	TVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
58	Y81	surface	500	5-28-25								
65	Y82	surface	505									
64	Y83	well H29	590									
44	Y84	surface	800									
45	Y85	surface	806									
46	Y86	P52-500	960									
47	Y88	well 24119	582									
52	Y89	well TD17	902									
43	Y90	CV24212	508									
51	Y91	surface	935									
92	Y92	CV009	985									
97	Y94	surface	500									
94	Y96	surface	560									
97	Y97	HOPESPR402	500									
95	Y98	well D6	530									

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

			Page / of / Pages
Quarter / Year:	2nd QTR / 2025		
Technician:	Stephen Borchers		
Instrument:	TVA 1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
227	B61	surface	200	5-28-25					
229	B67	well void	200	↓					
223	B69	surface	231						
33	B21	CV-1907	264						
40	B23	CV 2012	386						
42	B22	CV 17010	216						

5-28-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43426698	-118.644858	2025-05-28T16:10:43Z	B21	Ppm264grid33wellcv1907
2	34.43361897	-118.643325	2025-05-28T17:33:58Z	B22	Ppm316grid42wellcv1701d
3	34.43500601	-118.643296	2025-05-28T17:55:33Z	B23	Ppm386grid40wellcv2012
4	34.42971501	-118.651048	2025-05-28T15:33:33Z	B61	200Ppmgrd227surface
5	34.42909702	-118.649073	2025-05-28T16:37:29Z	B67	200Ppgrd229wellnoid
6	34.42930497	-118.648685	2025-05-28T16:47:23Z	B69	300Ppmgrd231sruface
7	34.43723501	-118.644028	2025-05-28T15:50:13Z	Y01	6000Ppm grid 73-well cv24132
8	34.43533902	-118.644927	2025-05-28T17:00:17Z	Y02	3800Ppm grid 59-well cv24111
9	34.435609	-118.64485	2025-05-28T17:06:09Z	Y03	2800Ppm grid 54well h2166c
10	34.43522897	-118.644141	2025-05-28T17:21:05Z	Y04	62CPpm grid 60-well cv24112
11	34.43659304	-118.642912	2025-05-28T18:06:16Z	Y05	2400Ppm grid 57-well cv 24213
12	34.43551697	-118.642328	2025-05-28T18:30:35Z	Y06	7000Ppm grid 63-well cv53s
13	34.43461499	-118.644613	2025-05-28T15:36:09Z	Y21	Ppm638grid36wellcv24110
14	34.43420696	-118.644184	2025-05-28T15:49:25Z	Y22	Ppm697grid37h2169ewell
15	34.43361302	-118.643322	2025-05-28T17:35:16Z	Y23	Ppm793grid42wellc1701s
16	34.43559098	-118.648828	2025-05-28T15:36:59Z	Y41	20562Ppmgrd156welcv2201
17	34.43552602	-118.648851	2025-05-28T15:39:10Z	Y42	30999Ppmgrd156wellramsp02
18	34.43530801	-118.648658	2025-05-28T15:42:25Z	Y43	60410Ppmgrd156wellcv24039
19	34.43501699	-118.649299	2025-05-28T15:54:38Z	Y44	5610Ppmgrd177blackpipewcap
20	34.43487307	-118.6502028	2025-05-28T12:07:12Z	Y45	10460PPMWELLCHIFPO31
21	34.4342	-118.650824	2025-05-28T16:20:06Z	Y46	1017Ppmgrd174wellcv2342a
22	34.432891	-118.648067	2025-05-28T16:48:43Z	Y47	1350Ppmgrd163blackpipe
23	34.43154001	-118.649059	2025-05-28T17:08:53Z	Y48	2128Ppmgrd199wellcv24193
24	34.43117397	-118.649822	2025-05-28T17:37:26Z	Y49	2050Ppmgrd214wellh2163w
25	34.43092	-118.650174	2025-05-28T17:43:40Z	Y50	1048Ppmgrd214wellh2161w
26	34.43111303	-118.650561	2025-05-28T17:50:42Z	Y51	2650Ppmgrd215wellh102a
27	34.43112804	-118.650599	2025-05-28T17:51:29Z	Y52	2972Ppmgrd215blackpipeunmarked
28	34.43120901	-118.650631	2025-05-28T17:54:29Z	Y53	2335Ppmgrd215wellh103a
29	34.42967302	-118.651054	2025-05-28T15:37:09Z	Y62	3845ppmgrd227surfcace
30	34.42963203	-118.651107	2025-05-28T15:41:24Z	Y63	1475Ppmgrd227surface
31	34.42961703	-118.651106	2025-05-28T15:43:03Z	Y64	1952Ppmgrd227surface
32	34.42948996	-118.650928	2025-05-28T15:45:40Z	Y65	5264Ppmgrd227wellNold
33	34.42908503	-118.64981	2025-05-28T16:28:07Z	Y66	1820Ppmgrd228wellCvcv2510
34	34.42931796	-118.648586	2025-05-28T16:51:39Z	Y68	600Ppmgrd231surface
35	34.42928301	-118.648463	2025-05-28T16:56:04Z	Y69	7593Ppmgrd231wellBh-GB-1
36	34.42905301	-118.64841	2025-05-28T17:11:48Z	Y70	5213Ppmgrd232wellchh2303n
37	34.42945099	-118.647588	2025-05-28T17:22:27Z	Y71	500Ppmgrd323wellH-2306n
38	34.43655498	-118.642308	2025-05-28T15:41:22Z	Y81	Y81PPM500SURF58
39	34.43634636	-118.6413174	2025-05-28T12:08:23Z	Y82	505PPM SURFACE
40	34.43543097	-118.641793	2025-05-28T16:00:30Z	Y83	Y83PM580WEIIH29
41	34.43462203	-118.642268	2025-05-28T16:14:38Z	Y84	Y84PPM800SURF44
42	34.43462874	-118.6414378	2025-05-28T12:08:57Z	Y85	806PPM SURFACE

43	34.43402097	-118.642095	2025-05-28T16:24:32Z	Y86	Y86PPM900WEIIPS21800
44	34.43372299	-118.64229	2025-05-28T16:31:06Z	Y88	Y88PPM582WEII24119
45	34.432862	-118.64212	2025-05-28T17:59:19Z	Y89	Y89PPM902WEIITD17
46	34.43322301	-118.643058	2025-05-28T18:16:47Z	Y90	Y90PPM507CV24212
47	34.43268204	-118.642397	2025-05-28T18:04:50Z	Y91	Y91PPM935SURF51
48	34.43190202	-118.644207	2025-05-28T18:29:46Z	Y92	PPM885WEIICV009
49	34.43135099	-118.64548	2025-05-28T18:42:33Z	Y94	Y94PPM500SURP87
50	34.43100197	-118.645172	2025-05-28T18:52:38Z	Y96	Y96PPM560SURF94
51	34.43041901	-118.646308	2025-05-28T19:01:10Z	Y97	Y97PPM500WEIIHDPESPR902
52	34.4300725	-118.6453023	2025-05-28T12:09:32Z	Y98	530PPM WELLD6

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician	Stephen Burches
Instrument:	TVA 1000
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work *	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
93	Y1	surface/pipe	1,300	5-29-25								
93	Y2	well A1	26,000									
92	Y3	well A2	1,450									
92	Y4	Pipe/cap	4,180									
92	Y5	Vulve	2,181									
92	Y6	well A5	3,361									
21	Y7	well C-8	1,252									
48	Y8	well C9	4,231									
48	Y9	well C-10	2,281									
45	Y10	wellsWHS	620									
44	Y11	well C-11	1,720									
65	Y12	well C-21	1,890									
65	Y13	well C-15	1,250									
65	Y14	well C-26	20,000									
58	Y15	well H-22	9,881									
55	Y16	well C-25	1,410									
58	Y17	well C-24	2,111									
71	Y18	well C-23	30,110									
71	Y19	well C-22	550	✓								

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025		Page 1 of 1 Pages
Technician:	Stephen Borches		
Instrument:	TVA 1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
64	B1	well C12	290	5-24-25					
80	B2	well SW80	290	↓					

5-29-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43596699	-118.640884	2025-05-29T16:55:16Z	B1	290Ppmgrd64wellc12
2	34.43828501	-118.643355	2025-05-29T17:23:38Z	B2	280Ppmgrd80wellsw80
3	34.43099502	-118.644058	2025-05-29T15:33:29Z	Y1	1300Ppmgrd93surface/pipe
4	34.43484801	-118.64118	2025-05-29T16:48:21Z	Y10	620Ppmgrd48wellsw115
5	34.43527599	-118.641281	2025-05-29T16:51:29Z	Y11	1720Ppmgrd44wellc11
6	34.43616103	-118.640972	2025-05-29T16:57:19Z	Y12	1890Ppmgrd65wellc27
7	34.43626899	-118.641073	2025-05-29T17:00:13Z	Y13	1250Ppmgrd65wellc15
8	34.43662204	-118.641256	2025-05-29T17:02:31Z	Y14	20000Ppmgrd65wellc26
9	34.436889	-118.641502	2025-05-29T17:06:02Z	Y15	9881Ppmgrd58wellh22
10	34.437105	-118.641672	2025-05-29T17:08:17Z	Y16	1410Ppmgrd58wellc25
11	34.43712101	-118.641698	2025-05-29T17:11:30Z	Y17	3111Ppmgrd58wellc21
12	34.43793699	-118.642629	2025-05-29T17:17:58Z	Y18	30110Ppmgrd71wellc23
13	34.43815601	-118.64285	2025-05-29T17:21:14Z	Y19	550Ppmgrd71wellc22
14	34.43122602	-118.643764	2025-05-29T15:49:36Z	Y2	20000Ppmgrd93wella1
15	34.43160798	-118.643307	2025-05-29T18:12:43Z	Y3	1450Ppmgrd92wella2
16	34.43181996	-118.643085	2025-05-29T16:08:38Z	Y4	2181Ppmgrd92pipe/cap
17	34.43184201	-118.643093	2025-05-29T16:09:28Z	Y5	2181Ppmgrd92valve
18	34.43250401	-118.64165	2025-05-29T16:19:14Z	Y6	3361Ppmgrd92wella5
19	34.433653	-118.640883	2025-05-29T16:36:44Z	Y7	1352Ppmgrd21wellc8
20	34.43418802	-118.641013	2025-05-29T16:43:25Z	Y8	4831Ppmgrd48wellc9
21	34.434731	-118.641167	2025-05-29T16:42:01Z	Y9	2281Ppmgrd48wellc10

CHIQUITA CANYON LANDFILL (Title 27)
PERIMETER GAS MONITORING DATA SHEET

281

Date 5-22-25 | Weather Conditions Sunny

Technician Robert Mills | Temp. 82° F

Inst. GEM Model 5000 | Wind Speed (MPH) & Direction 4 E

Serial # G50053O | Barometric Pressure 29.98 in. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal.%	Evac. (PUMPS)	Pressure (+/- in. w.c.)	Comments
GP-A - 10	0931	5-22-25	0.0	0.0	21.1	78.9	6	-.38	
51	0933		0.0	0.0	21.1	78.9	19	-1.61	
102	0935		0.0	0.0	21.2	78.8	39	+.06	
151.5	0937		0.0	0.0	21.2	78.8	95	-.24	
GP-2 - 15.5	1049		0.0	0.1	20.6	79.3	16	+.07	
44.5	1052		0.0	0.1	21.2	78.7	18	+.07	
53	1054		0.0	0.1	21.3	78.6	19	+.06	
GP-8 - 10	1014		0.0	0.4	21.0	78.6	6	+.10	
60	1016		0.0	0.4	19.4	80.2	41	+.11	
120	1018		0.0	0.6	20.2	79.2	75	+.11	
GP-9 - 25	1006		0.0	1.0	20.1	78.9	16	+.08	
55	1008		0.0	0.1	21.3	78.6	20	+.11	
83	1010		0.0	0.0	21.5	78.5	51	+.09	
GP-10 - 22	0943		0.0	2.2	18.2	79.6	17	+.41	
37	0945		0.0	1.3	17.5	81.2	26	-.20	
63	0947		0.0	0.0	21.2	78.8	42	-.11	
87	0949		0.0	0.0	21.3	78.7	59	-.09	
GP-11 - 10	0918		0.0	0.6	20.4	79.0	6	-.22	
70	0920		0.0	7.4	10.7	81.9	49	-.70	
141	0922		0.0	1.6	16.4	82.0	102	-.36	
208	0924		0.0	1.0	19.4	79.6	137	-.41	
GP-12 - 12	0859		0.0	0.1	20.5	79.4	4	+.10	
38	0902		0.0	0.0	20.5	79.5	20	+.08	
74	0904		0.0	0.0	20.5	79.5	50	+.08	
110	0906		0.0	0.0	20.7	79.3	75	+.09	
224	0908		0.0	0.0	20.7	79.3	171	+.31	
GP-13 - 10	0833		0.0	0.5	19.6	79.9	9	+.13	
29	0834		0.0	5.0	17.0	78.0	19	.0	
58	0841		25.9	11.8	1.7	60.6	39	-.18	
87	0847		4.6	8.9	3.2	83.3	59	-.68	
173	0852	↓	10.9	4.7	2.1	82.3	109	+.08	

CHIQUITA CANYON LANDFILL (Title 27)
PERIMETER GAS MONITORING DATA SHEET

Date 5-22-25 / 5-29-25
Technician Robert Willis
Inst. GEM Model 5200
Serial # G5005510

Weather Conditions Sunny
Temp. 82° / 67° °F
Wind Speed (MPH) & Direction 4E / 3S
Barometric Pressure 29.98 / 29.92 In. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal.%	Evac. (PUMPS)	Pressure (+/- in. w.c.)	Comments
GP-14 - 10	0749	5-29-25	0.0	0.0	21.0	79.0	6	-.05	
23	0752		0.0	0.1	20.9	79.0	15	-.01	
44	0753		0.0	1.8	18.7	79.5	30	-.01	
67	0756		0.0	3.7	11.6	84.7	46	-.45	
134	0758	↓	0.0	3.9	13.9	82.2	92	-2.67	
GP-15 - 10	0808	5-22-25	36.0	59.7	0.6	3.7	6	-.03	
40	0812		34.6	65.1	0.3	0.0	19	-.02	
60	0816		27.5	43.0	0.5	29.0	39	-.80	
90	0821		42.9	49.3	1.1	6.7	59	+.48	
115	0826	↓	46.9	39.0	2.5	9.6	109	-1.88	
GP-16 - 10	0842	5-29-25	0.0	1.5	19.5	79.0	4	-.01	
85	0844		0.0	1.6	18.2	80.2	26	+.02	
154	0846		0.0	0.5	17.7	81.9	50	+.02	
210	0848		0.0	0.2	20.6	79.2	75	+.11	
255	0850		0.0	0.1	20.7	79.2	171	+.10	
GP-17 - 10	0824		0.0	0.7	20.2	79.1	4	-.02	
55	0826		0.0	0.2	20.2	79.6	26	-.09	
105	0828		0.0	0.3	19.1	80.6	50	-.04	
149	0830		0.0	0.3	19.1	80.5	75	-.02	
235	0832		0.0	0.1	20.9	79.0	121	+.01	
GP-18 - 10	0811		0.0	0.6	20.4	79.0	6	-.01	
38	0813		0.0	0.2	20.7	79.1	9	-.15	
58	0815		0.0	0.6	19.9	79.5	39	-.08	
88	0817		0.0	0.2	20.6	79.2	59	-.03	
115	0819		0.0	0.2	18.4	81.4	109	-.10	
GP-19 - 10	1019		3.7	15.7	5.0	72.6	6	+.03	
84	1021		0.7	5.6	9.0	84.7	41	+.37	
116	1023		3.9	18.2	5.9	72.0	73	+.03	
GP-20 - 60	1007		0.0	6.1	14.2	79.7	6	+.04	
105	1010		0.0	9.9	10.2	80.0	41	+.07	
173	1012	↓	0.0	8.3	11.7	80.0	73	+.01	

CHIQUITA CANYON LANDFILL (Title 27)
PERIMETER GAS MONITORING DATA SHEET

281

Date 5-29-25 Weather Conditions Sunny

Technician Robert Johns Temp. 67° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 3 S

Serial # G500530 Barometric Pressure 29.92 in. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal.%	Evac. (PUMPS)	Pressure (+/- in. w.c.)	Comments
GP-21 - 10	0956	5-29-25	0.0	0.1	20.1	79.8	6	-.02	
90	0958	"	0.0	1.1	18.9	80.0	46	-.02	
232	1000	"	0.0	0.0	20.0	79.9	170	+.07	
GP-22 - 50	0944	"	0.0	0.7	19.5	79.8	6	+.06	
155	0946	"	0.0	0.3	19.1	80.6	60	+.11	
305	0948	"	0.0	0.0	20.4	79.6	200	+.15	
GP-23 - 35	0931	"	0.0	2.3	16.2	79.5	6	+.05	
77	0933	"	0.0	2.3	17.7	80.0	50	+.11	
132	0935	"	0.0	2.1	17.2	80.7	71	+.05	
GP-24 - 12	0920	"	0.0	2.0	20.0	79.0	6	+.01	
40	0923	"	0.0	2.3	16.4	79.3	19	+.07	
70	0925	"	0.0	0.2	20.6	79.3	47	+.02	
GP-25 - 14	0910	"	0.0	1.0	20.2	76.8	6	+.03	
50	0912	"	0.0	0.5	20.2	79.3	39	+.02	
80	0914	"	0.0	0.1	20.9	79.0	52	+.02	

RES Environmental Inc.

GEM 5000 CALIBRATION

TECHNICIAN: ROBERT JOHNS

CALIBRATION DATE: 5/22/2025

SITE: CHIQUITA CANYON LANDFILL

TIME: 5:00AM

GEM 5000 SERIAL #: G500530

		UNCORRECTED READING	CORRECTED READING
CH_4	15%	15%	15%
CO_2	15%	15%	15%
O_2	4%	4%	4%

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RES Environmental Inc.

GEM 5000 CALIBRATION

TECHNICIAN: ROBERT JOHNS

CALIBRATION DATE: 5/29/2025

SITE: CHIQUITA CANYON LANDFILL

TIME: 5:00AM

GEM 5000 SERIAL #: G500530

		UNCORRECTED READING	CORRECTED READING
CH_4	15%	15%	15%
CO_2	15%	15%	15%
O_2	4%	4%	4%

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Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Sanchez
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
81	67.34	6-3-25								
82	47.43	"								
171	33.50	"								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
216	40.00	6-4-25								
99	33.45	"								
89	25.49	"								
217	31.23	"								
215	58.40	"								
214	29.42	"								
159	74.76	"								
155	64.20	"								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Cliquitta

Quarter / Year:	2nd QTR/2025	2nd Quarter 2025	2nd QTR /2025
Technician:	Stephen Borchert	D Hernandez	Stephen Borchert
Instrument:	TVA1000	TVA 100C	TVA1000
Calibration Standard:	500ppm	500PPM	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
									Tinci			
179	Y1	well UNMARKED	3000	5-12-25	0835	5/22/25		2732	1052	5-30-25	18.59	
161	Y101	well CV24169	900		0937		117					
195	Y105	well CV24199	608		1022		173					
83	Y81	Surface	520		1006		90.7					
163	Y82	well CV24089	652		1019		36.5					
157	Y41	well RAMSP04	608		0947		45.4					
173	Y42	well RAM SP05	568		0858		98.9					
200	Y43	well CV2354	956		0909		330					
205	Y44	well SW68	614		0911		88.7					
204	Y61	well CV2328	590		0945		172					
158	Y62	well CV24024	5000		0953			3760	1053		3.10	
153	Y63	well CV2305	6000		0956			7851	1054		12-17	
148	Y64	well H180IA	1200		0958		410					
53	Y65	well UNMARKED	600		1010		146					
82	Y66	well CV24014	900		1001		173					
149	Y67	well CV24153	590		1002		199					
181	Y21	well CV2362	645		0843		73.7					
181	Y22	well UNMARKED	4032		0842			3760	1058		45.32	
180	Y23	well UNMARKED	806		0839		347					
180	Y24	well EVI607	5023		0838			4177	1057		71.60	
180	Y25	Surface	4098		0838			960	1104		52.10	
176	Y26	Surface	540		0851		93.6					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR/2025	2nd Quarter 2025	2nd QTR / 2025
Technician:	Stephen Rodrigues	D Hernandez	Stephen Rodrigues
Instrument:	TVA 1000	TVA1000	TVA 1000
Calibration Standard:	500	500 ppm	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
176	Y27	well CV19024	9056	5-12-25	0950	5/22/25		1465	1608	5-20-25	103	
178	Y28	Surface	500		0851		112					
177	Y29	well unmarked	1076		0833		397					
156	Y31	well unmarked	500		0830		62.4					
156	Y32	well CV22021	1423		0835		421					
156	Y33	well CV24104	700		0828		210					
145	Y34	well unmarked	1423		0820		191					
77	Y36	well P2	500		0819		211					
77	Y37	Surface	500		0813		62.4					
77	Y38	surface	1023		0813		260					
77	Y39	Surface	4021		0811		377					
77	Y121	Surface	500		0811		135					
77	Y122	Surface	1523		0808			670	1112		41.10	
77	Y123	well CV24120	1523		0809		440					
77	Y126	well unmarked	4523		0802			3650	1113		1.75	
78	Y128	Surface	2523		0758			730	1115		32.17	
79	Y132	Surface	4424		0754			1368	1117		99.60	
80	Y133	well CVH-1	700		0748		114					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Drumo

MODEL: TVA1000 EQUIPMENT #: 57 SERIAL #: 71611369

MONITORING DATE: 5-30-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.51 ppm	8.35 ppm	7.93 ppm

Background Value = 7.93 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	501 ppm	450 ppm	7
#3	505 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

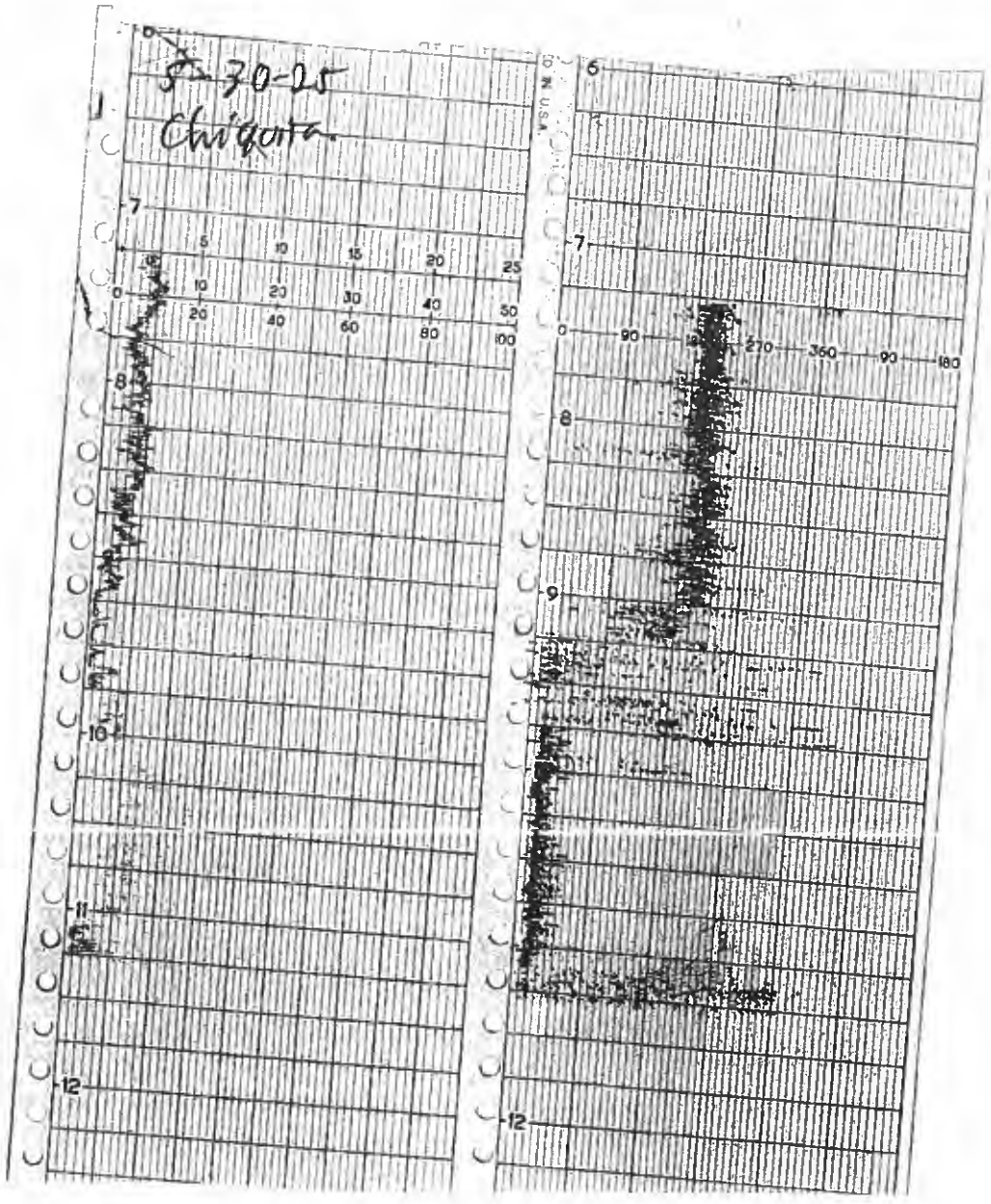
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	499 ppm	1
#2	0.3 ppm	501 ppm	1
#3	0.5 ppm	505 ppm	5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.46% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 5-30-25/0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Quarter / Year:	2nd QTR 2025	2nd QTR / 2025	
Technician:	STEPHEN BORCHERS	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Times	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
171	Y41	CV 2342A	506	4-28-25	1002	5-28-25	133					
171	Y42	CV 2302	2500		953		175					
159	Y43	CV2472	750		951		87.11					
204	Y61	SURFACE	678		1006		1.20					
166	Y62	CV24083	644		952		27.49					
80	Y101	WELL HI	5170		924		121					
79	Y102	CV24147	595		923		86.55					
79	Y103	CV 4582	6285		924		14.49					
78	Y104	CV24123	5760		922		31.42					
78	Y105	SURFACE PIPE	1273		921		6.99					
78	Y106	CV24122	4512		919		11.61					
78	Y107	CV24125	10,000		905		5.84					
77	Y108	CV1113	4575		917		3.14					
78	Y109	CV24001	10,000		916		35.12					
77	Y110	CV24124	5623		904		3.67					
77	Y111	UNMARKED	620		912		172					
77	Y112	CV24002	60,000		913		190					
66	Y113	2316A	910		857		2.91					
53	Y114	CV2319	3684		932		39.24					
53	Y115	WELLOVA	1357		931		67.54					
81	Y116	CV 4426	2148		936		120					
81	Y117	1+19 45C	1530		934		13.76					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Quarter / Year:	2nd QTR 2025	2nd QTR / 2025	
Technician:	STEPHEN BURCHAM	Stephen Borcherr	
Instrument:	XCT 1000	TVA 1000	
Calibration Standard:	500 PPM	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Times	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
81	Y118	H2167B	1379	4-28-25	934	5-28-25	56.74					
82	Y119	CV24150	1647		938		30.27					
82	Y120	CV24094	9751		937		40.11					
82	Y121	BLACK PIPE	7644		940		156					
99	Y122	STEEL PIPE	10,000		1015		80.65					
216	Y123	GRAY PIPE	6723		1014		80.17					
175	Y21	CV 2353	900		1001		1.71					
176	Y22	CV19072A	750		957		1.62					
156	Y23	CV 2201	900	↓	947	✓	11.21					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 43 SERIAL #: 15865062

MONITORING DATE: 5-28-25 TIME: 0745

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.13 ppm	8.21 ppm	7.67 ppm

Background Value = 7.67 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	503 ppm	450 ppm	8
#3	502 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

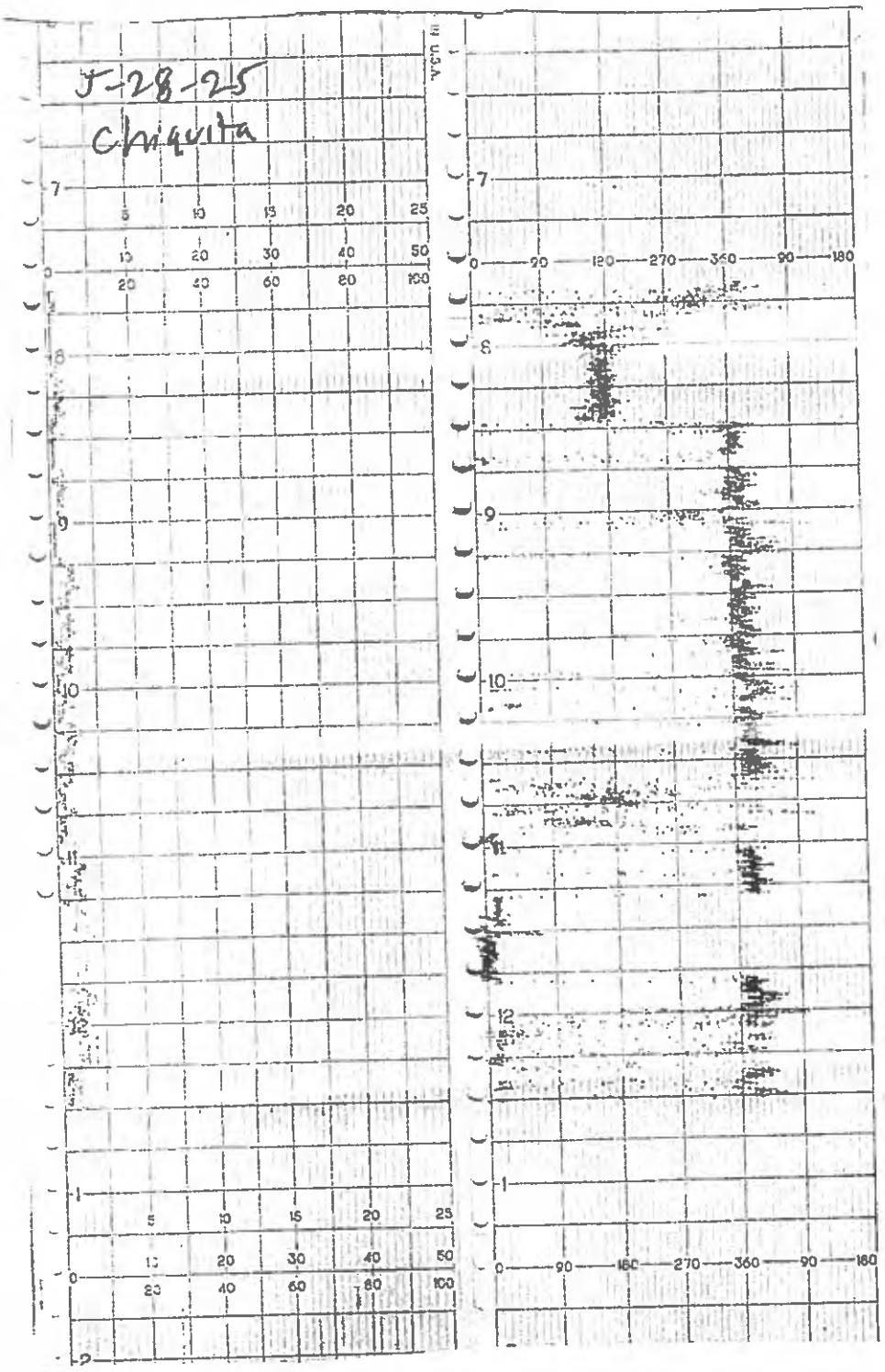
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	1.0 ppm	503 ppm	3
#3	0.3 ppm	502 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.4% #DIV/0! Must be less than 10%

Performed By Stephen Borchers Date/Time 5-28-25 / 0745

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Times	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
99	Y120	Surface	846	5-22-25	0953	5-30-25	170					
216	Y126	Well CAP	961		0951		340					
82	Y21	Well UNMarked	5000		0928		108					
82	Y22	Well CV24044	1200		0926		294					
197	Y23	Well H1771M	800		0925		220					
154	Y24	Well UNMARK	3000		0922		11					
157	Y25	Well CV74R	5000		0921		300					
159	Y26	Well CV24184	600		0919		45					
171	Y27	Well CV24060	6000		0917		303					
161	Y28	Well H1565C	1200		0916		300					
173	Y29	Well CV24026	1500		0912		7.8					
173	Y30	Well RAMSPOS	6000		0913		8.1					
170	Y31	Well CV24043	525		0914		76					
78	Y61	Well CV24122	1500		1016		400					
78	Y62	Well CV24123	821		1015		14					
78	Y63	Surface	1172		1014		101					
79	Y64	Well CV24147	7300		1012		140					
79	Y65	Well CV48R	1020		1013		9.5					
80	Y66	Well H-1	1450		1010		400					
83	Y67	Well CV24160	3800		0930		28					
185	Y68	Well CAP(ED) 21678	2600		0931		160					
185	Y69	Well UNMarked	2300		0932		37					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Times	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
160	Y70	well CV2489	2300	5-22-25	0934	5-30-25	50					
165	Y71	well CV24087	2151		0936		280					
165	Y72	well capped H22774	1123		0938		7.6					
165	Y73	well CV24079	28000		0939		305					
208	Y74	well CV2001	10980		0942		11.4					
208	Y75	stem/pipe	2591		0943		130					
178	Y1	CV2308	500		0908		140					
146	Y6	CV2484	500	↓	0850	↓	280					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2ND QTR 2025	Page 1 of 1 Pages
Technician:	Stephen Borchers	Stephen BORCHERS	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	500ppm	500 PM	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
99	B125	well LV2505	312	5-22-25	0945	5-30-25	103		
198	B103	well LV24193	405	↓	0947	↓	196		
156	B8	RAMSPOT	200	↓	0901	↓	8		

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 5-30-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.75 ppm	7.15 ppm	6.95 ppm

Background Value = 6.95 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	7
#2	498 ppm	450 ppm	6
#3	501 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

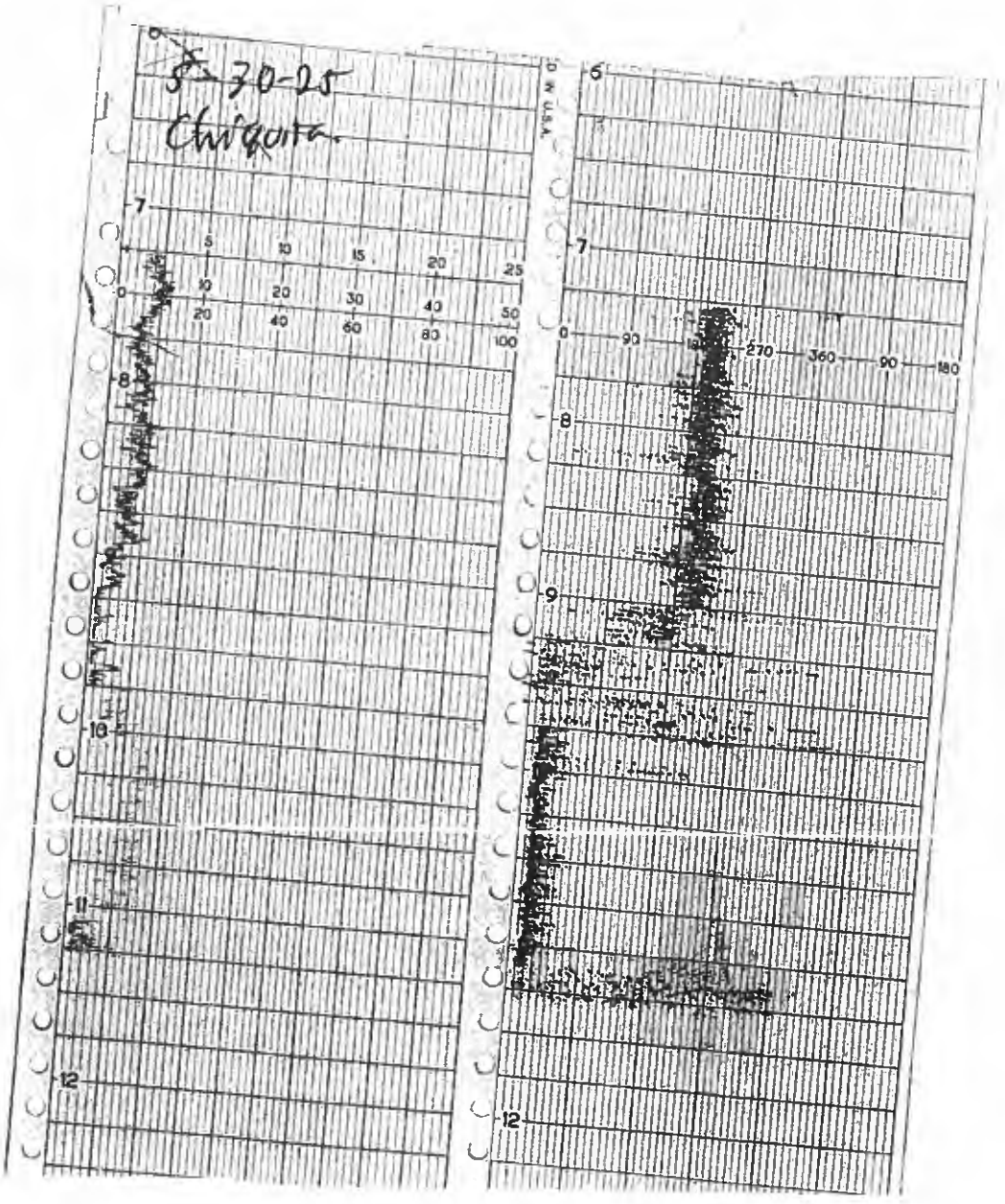
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	499 ppm	1
#2	0.1 ppm	498 ppm	2
#3	0.0 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By: Stephen Borchard Date/Time 5-30-25 / 0730

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025		2nd Quarter 2025								
Technician:	Stephen Bourchard		D Hernandez								
Instrument:	TVA 1000		TVA 1000								
Calibration Standard:	25 ppm		25 ppm								
Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days				
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm	
215	29.30	5-20-25		5/29/25	13.6						
214	27.90	↓		↓	21.9						

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL #: 17193090

MONITORING DATE: 5-29-25 TIME: 0745

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.9 ppm	2.9 ppm	2.4 ppm

Background Value = 2.4 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.1 ppm	20 ppm	6
#2	26.0 ppm	20 ppm	5
#3	26.1 ppm	20 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

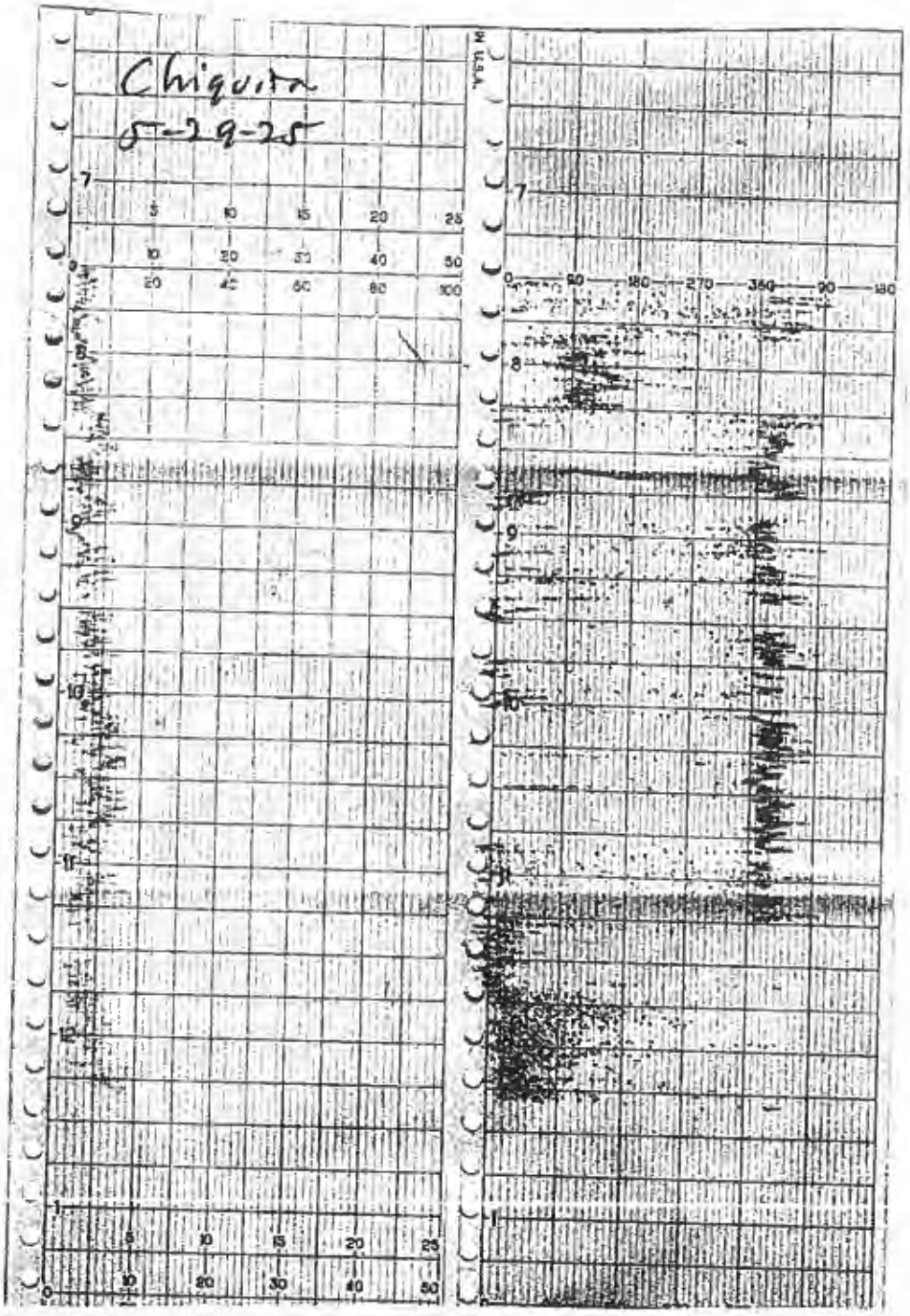
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.59 ppm	25.1 ppm	0.1
#2	0.61 ppm	26.0 ppm	1.0
#3	0.61 ppm	26.1 ppm	1.1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			6.1 #DIV/0! Must be less than 10%

Performed By: D. Hemmer Date/Time 5-29-25 0745

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	2nd QTR / 2025
Technician:	Stephen Bowlus	Jacob Pennington	Stephen Bowlus
Instrument:	TVA1000	TVA 1000	TVA1000
Calibration Standard:	500 ppm	500 ppm	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
59	Y121	Well H-21666	760	5-13-25	9:06	5-22-25		3056	0919	5-30-25	81.30	
59	Y122	Well CV24110	1,952		9:05			2000	0920		103	
32	Y123	Well H-21856	1,521		8:56			979	0922		195	
33	Y124	Well CV24109	860		8:55			566	0924		14.32	
31	Y125	Surface	1,218		8:51			908	0926		15.01	
30	Y126	Well CV 24191	970		8:52			903	0928		31.21	
84	Y127	Well H-18045	4023		9:16		84.2					
92	Y128	Well CV 009	990		8:28		344					
92	Y129	Surface	1,232		8:29		234					
93	41	Well A-1	1,850		1002			780	1012		56.30	
52	42	Well A-5	1,573		1003			920	1015		203	
21	42	Well C-8	3,401		1005			1200	1017		23.28	
48	44	Well C-9	24770		1006			1400	1019		104	
49	45	Well SW-65	1,226		1009			1050	1021		7830	
44	46	Well C-11	1,835		1011			987	1023		140	
64	47	Well C-12	2224		1015			1762	1025		101	
65	48	Well C-27	10,150		1017			2012	1027		78.16	
65	49	Well C-15	10,470		1018			1980	1029		38.50	
58	410	Well H-22	1,768		1020			1560	1032		45.60	
71	411	Well C-23	10,300		10:22			517	1034		78.70	
71	412	Well C-22	741	✓	10:24	↓		639	1036	↓	107	

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd QTR / 2025	2nd QTR / 2025
Technician:	Stephen Borchers	Jacob Pennington	Stephen Borchers
Instrument:	TVA 1000	TVA 1000	TVA 1000
Calibration Standard:	500 ppm	500 ppm	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work Times	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
73	Y81	well CV2913?	748	5-13-25	9:27	5-22-25		503	1041	5-30-25	122	
57	Y82	well 24213	500		9:34		29					
63	Y83	well CV1538	700		9:38			556	1045		109	
63	Y84	well CV1535	570		9:39		481					
227	Y61	Surface	1500		8:10			1250	0954		421	
227	Y62	Surface	5000		8:09		93					
241	Y63	well CV24245	1400		7:45			1200	0949		46.19	
241	Y64	Surface	2400		7:46			1400	0947		198	
240	Y65	Surface	6000		7:49			3007	0946		31.28	
240	Y66	Surface	7000		7:49			566	0942		28.90	
246	Y21	Surface	740		7:36			900	1000		208	
248	Y22	Surface	580		7:53		326					
239	Y23	PIPE	636		7:54		280					
55	Y101	well CV2707	1000		9:11		28.2					
60	Y102	well CV24102	600		8:39		11.2					
36	Y103	well CV2324	1000		9:09		36					
37	Y104	well H-2168E	2000		9:19			1296	0913		105	
38	Y105	well CV1703	1000		9:24		109					
35	Y106	well H-5015	700		8:42		176					
51	Y107	well CV6	800		8:35			846	0916		70.32	
50	Y108	well CV8	800		8:31		214					
57	Y109	well CV9	3000		9:00		384					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 51 SERIAL #: 71611369

MONITORING DATE: 5-30-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.51 ppm	8.35 ppm	7.93 ppm

Background Value = 7.93 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	501 ppm	450 ppm	7
#3	505 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

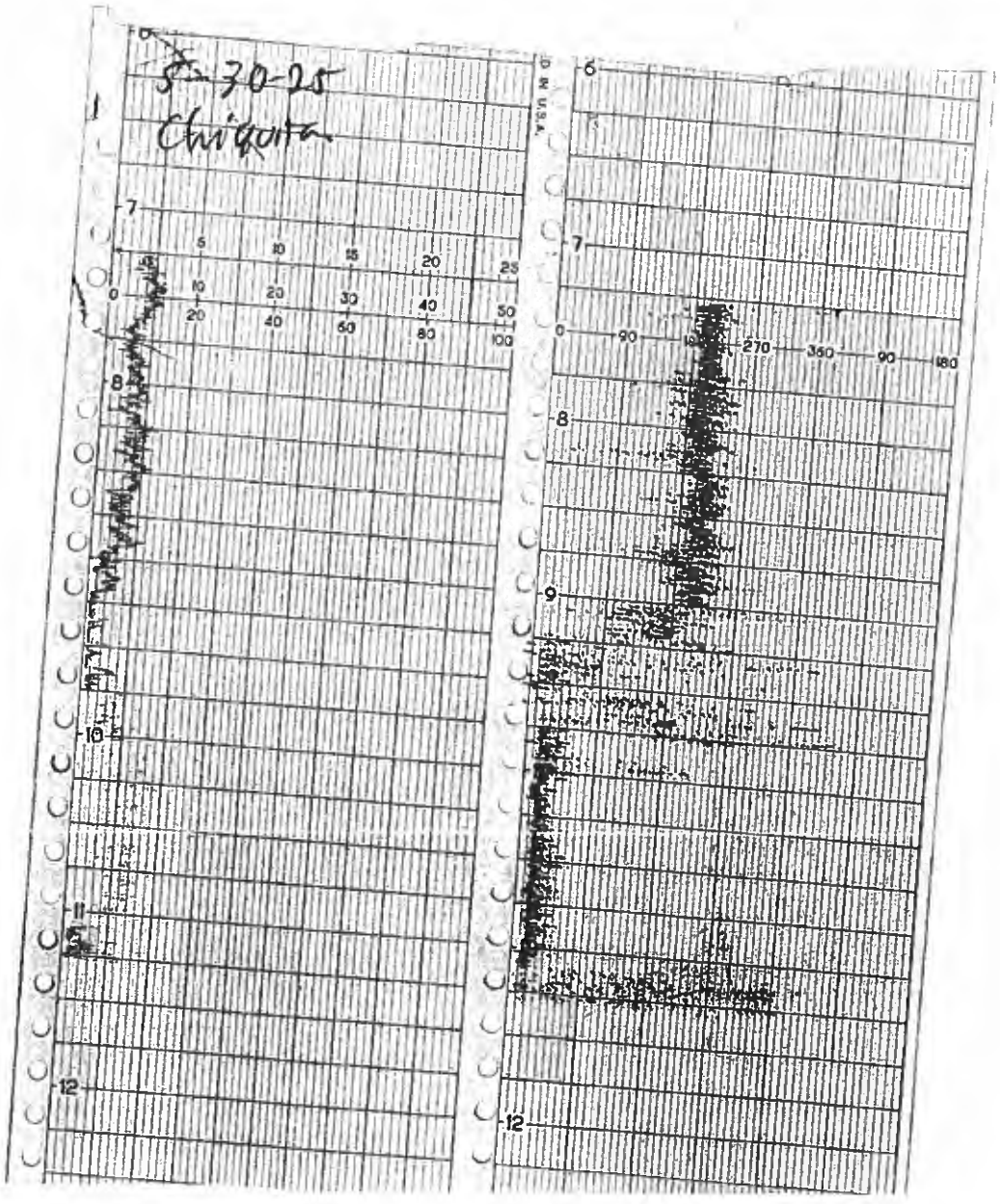
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	499 ppm	1
#2	0.3 ppm	501 ppm	1
#3	0.5 ppm	505 ppm	5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.46% #DIV/0! Must be less than 10%

Performed By: Stephen Borchert Date/Time: 5-30-25/0730

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	2nd QTR / 2025
Technician:	Stephen Beaches	Jason Pennington	Stephen Beaches
Instrument:	TVA 1000	TVA 1000	TVA 1000
Calibration Standard:	500 ppm	500 ppm	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
59	Y121	Well H-21662	760	5-13-25	9:06	5-22-25		2056	0919	5-30-25	41.30	
59	Y122	Well CV24111	1,952		9:05			2000	0920		103	
32	Y123	Well H-21886	1,521		8:56			970	0922		195	
33	Y124	Well CV24109	860		8:55			566	0924		14.32	
31	Y125	Surface	1,218		8:51			908	0926		15.01	
30	Y126	Well CV24191	970		8:57			903	0928		31.21	
84	Y127	Well H-18045	4023		9:16		84.2					
92	Y128	Well CV009	990		8:28		244					
92	Y129	Surface	1,232		8:29		234					
93	41	Well A-1	1,850		1002			780	1012		56.70	
52	42	Well A-5	1,573		1003			920	1015		203	
21	43	Well C-8	2,401		1005			1200	1017		23.28	
48	44	Well C-9	2,770		1006			1400	1019		104	
49	45	Well SW-65T	1,226		1009			1050	1021		78.30	
44	46	Well C-11	1,835		1011			987	1023		140	
64	47	Well C-12	22-24		1015			1762	1025		101	
65	48	Well C-27	10,150		1017			2012	1027		78.16	
65	49	Well C-15	10,470		1018			1980	1029		38.50	
58	410	Well H-22	7,768		1020			1560	1032		45.60	
71	411	Well C-23	10,360		10:22			517	1034		78.70	
71	412	Well C-22	741	✓	10:24	↓	↓	639	1036	✓	107	

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd QTR / 2025	2nd QTR / 2025
Technician:	Stephen Borchers	Jacob Pennington	Stephen Borchers
Instrument:	TVA 1000	TVA 1000	TVA 1000
Calibration Standard:	500 ppm	500 ppm	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
									Flares			
73	Y81	well CV2913	748	5-13-25	9:27	5-22-25		503	1041	5-30-25	122	
57	Y82	well 24213	500		9:34		29					
63	Y83	well CV1538	700		9:38			556	1045		109	
63	Y84	well CV1535	510		9:39		481					
227	Y61	Surface	1500		8:10			1250	0954		421	
227	Y62	Surface	5000		8:09		93					
241	Y63	well CV24245	1400		7:45			1200	0949		46.19	
241	Y64	Surface	2400		7:46			1400	0947		198	
240	Y65	Surface	6000		7:49			3007	0946		31.28	
240	Y66	Surface	7000		7:49			566	0942		28.40	
246	Y21	Surface	740		7:36			900	1000		208	
248	Y22	Surface	580		7:53		326					
239	Y23	PIPE	636		7:54		280					
55	Y101	well CV2707	1000		9:11		28.2					
60	Y102	well CV24102	600		8:39		11.2					
36	Y103	well CV2324	1000		9:09		36					
37	Y104	well H-16SE	2000		9:19			1296	0913		105	
38	Y105	well CV1703	1000		9:24		109					
35	Y106	well H15015	700		8:42		176					
51	Y107	well CV6	800		8:35			846	0916		70.32	
50	Y108	well CV8	800		8:31		214					
57	Y109	well CV9	3000	↓	9:00	↓	384			↓		

RDS Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 57 SERIAL #: 71611369

MONITORING DATE: 5-30-25 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.51 ppm	8.35 ppm	7.93 ppm

Background Value = 7.93 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	501 ppm	450 ppm	7
#3	505 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

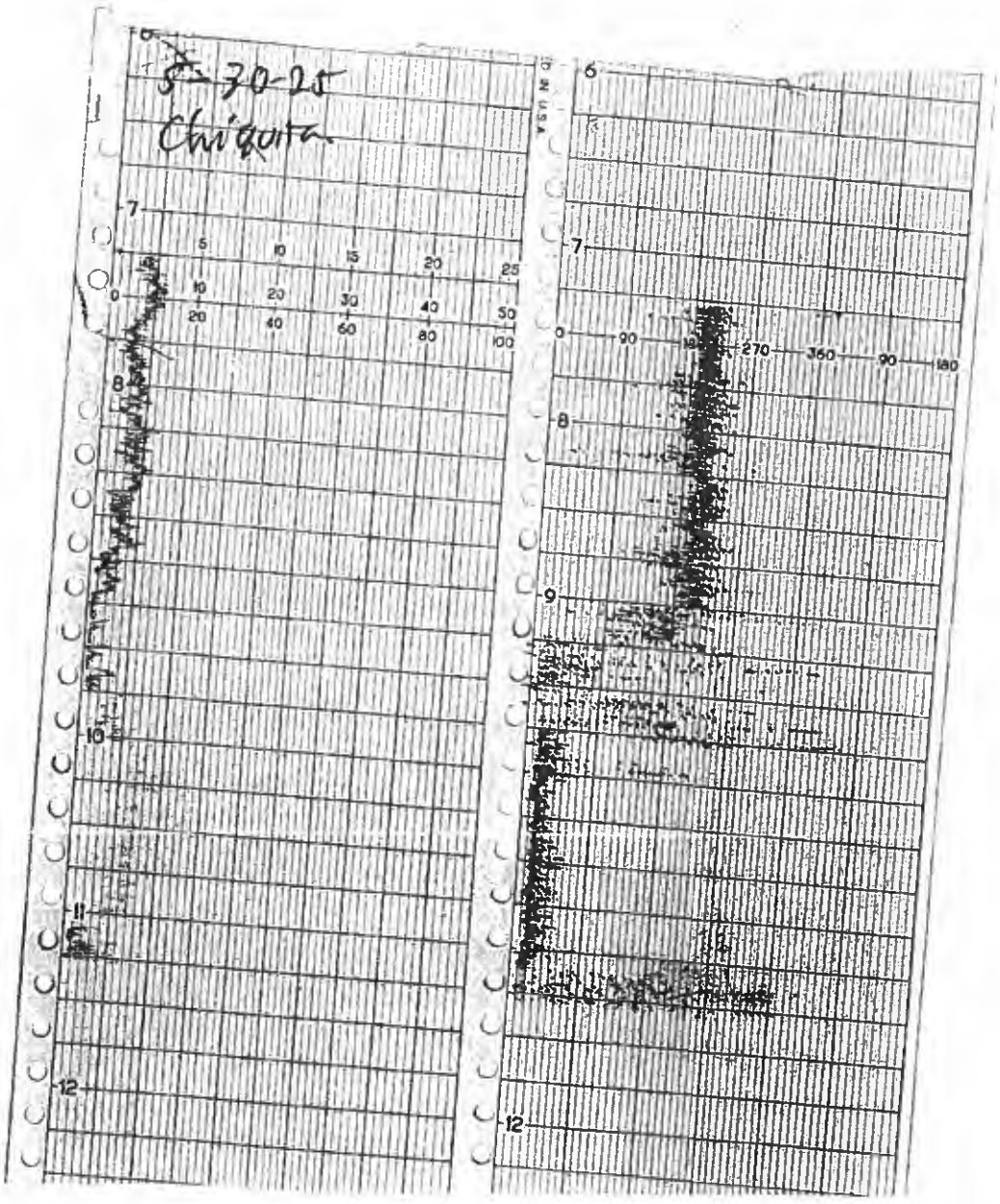
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	499 ppm	1
#2	0.3 ppm	501 ppm	1
#3	0.5 ppm	505 ppm	5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.46% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time 5-30-25/0730

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd QTR / 2025	2nd Quarter 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	25 ppm	25 ppm	

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
199	25.62	5-19-25		5/29/25	21.7					
195	25.71	↓		↓	17.4					
185	46.34				13.8					
180	68.63	√			19.7					

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL #: 17193090

MONITORING DATE: 5-29-25 TIME: 0745

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.9 ppm	2.9 ppm	2.4 ppm

Background Value = 2.4 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.1 ppm	20 ppm	6
#2	26.0 ppm	20 ppm	5
#3	26.1 ppm	20 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

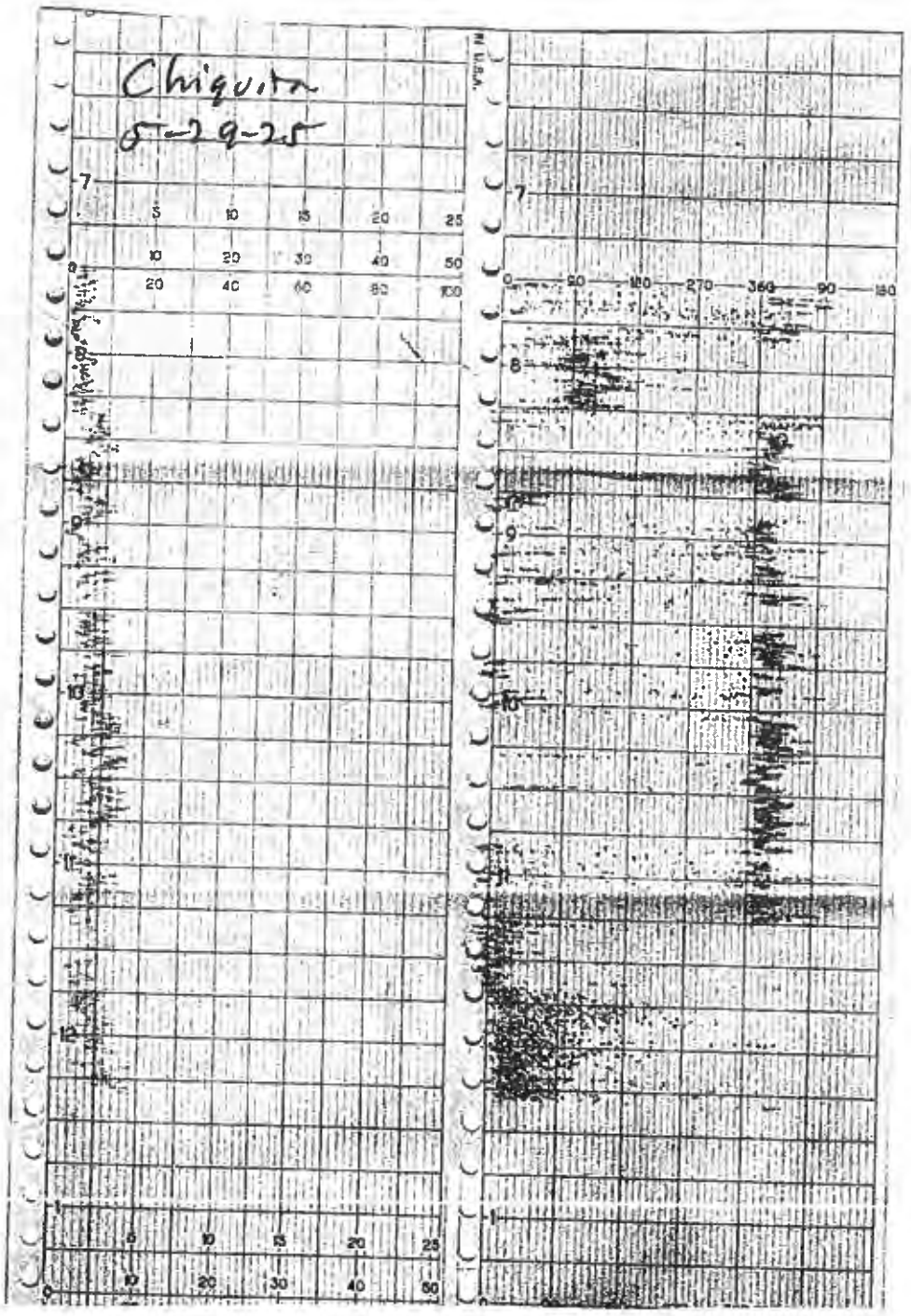
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.59 ppm	25.1 ppm	0.1
#2	0.61 ppm	26.0 ppm	1.0
#3	0.61 ppm	26.1 ppm	1.1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			6.1 #DIV/0! Must be less than 10%

Performed By D. Hammer Date/Time: 5-29-25 0745

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd Qtr
Technician:	Jerry Munoz
Instrument:	TVA-100
Calibration Standard:	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
165	Y100	Cap well	702	6-5-25								
160	Y101	well EV24164	564									
160	Y10L	well EV24058	994									
89	Y103	well MW2748	782									
88	Y104	well EV24106	516									
194	Y105	well EV24116	406									
162	Y140	well EV24104	660									
214	Y141	well MW-216	700									
217	Y60	well EV24114	708									
53	Y120	well MW04A	728									
82	Y121	well EV-24059	560									
81	Y123	Surface	1500									
154	Y122	Surface	1600									
171	Y40	EV24060	900									
170	Y41	well EV2302	8000									

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd Qtr		Page 1 of 1 Pages
Technician:	Jerry Munoz		
Instrument:	TVA-1000		
Calibration Standard:	500 PPM		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
15C	B60	Ramp05 well	399	6-5-25					

6-5-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43551303	-118.648756	2025-06-05T16:17:28Z	B60	ppm399grid156wellramsp02
2	34.43341102	-118.648064	2025-06-05T16:20:36Z	Y100	762PPMGRD165 CAPWELL
3	34.43321798	-118.64768	2025-06-05T16:57:40Z	Y101	564PPMGRD160 WELL CV24169
4	34.433581	-118.647627	2025-06-05T17:02:51Z	Y102	999PPMGRD160 WELLCV24088
5	34.43230502	-118.646776	2025-06-05T17:51:14Z	Y103	782PPMGRD88 WELLCV24106
6	34.43165299	-118.645749	2025-06-05T18:05:51Z	Y104	516PPMGRD194 WELLCV24116
7	34.43259403	-118.646679	2025-06-05T17:40:05Z	Y105	906PPM GRD89 WELLH2274B
8	34.43536299	-118.64579	2025-06-05T15:38:00Z	Y120	728Ppm grd53 well h-1804a
9	34.43457602	-118.646047	2025-06-05T16:05:58Z	Y121	560Ppm grd82 wellcv-24094
10	34.43384	-118.647561	2025-06-05T17:06:27Z	Y122	1600Ppm grd159 surface
11	34.43497902	-118.645713	2025-06-05T16:24:01Z	Y123	1500Ppm grd81 surface
12	34.432085	-118.646685	2025-06-05T17:51:06Z	Y140	660PPMWELLCV24109
13	34.43112058	-118.6498374	2025-06-05T18:09:50Z	Y141	700PPMKWELLH216
14	34.43403203	-118.648758	2025-06-05T17:11:07Z	Y40	900Ppm grid 171-well cv24060
15	34.43408199	-118.649159	2025-06-05T17:20:53Z	Y41	8000-Ppm grid 170-well cv2302
16	34.43081405	-118.6485057	2025-06-05T18:08:00Z	Y60	Ppm708grid217wellcv24114

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd >500 ppm
45	Y50	Surface	572	6-10-25								
46	Y51	Surface	900									
51	Y54	CV-06	800									
73	Y1	CV24132	1,500									
40	Y2	CV2012	500									
59	Y3	CV24111	528									
36	Y4	CV2324	1,200	↓								

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

			Page 1 of 1 Pages
Quarter / Year:	2nd QTR / 2025		
Technician:	Stephen Borchert		
Instrument:	TVA1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
237	B-61	GAB25	305	6-10-25					
237	B-62	GAB15	230	↓					

6-10-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.42811298	-118.648403	2025-06-10T15:58:25Z	B61	Ppm305grid237wellgab25
2	34.42812103	-118.648411	2025-06-10T15:59:37Z	B62	Ppm230grid237wellgab15
3	34.43725001	-118.64403	2025-06-10T15:14:00Z	Y01	1500Ppm grid 73-well cv24132
4	34.43502403	-118.643289	2025-06-10T18:22:18Z	Y02	500Ppm grid40-well cv2012
5	34.43531597	-118.644923	2025-06-10T18:44:45Z	Y03	528Ppm grid 59-well cv24111
6	34.43452204	-118.644218	2025-06-10T18:59:19Z	Y04	1200Ppm grid 36well cv 2324
7	34.43470703	-118.642166	2025-06-10T17:53:03Z	Y50	Y50PPM512SURF45
8	34.434128	-118.642171	2025-06-10T18:04:06Z	Y51	Y51PPM900SURF46
9	34.43257702	-118.642756	2025-06-10T18:56:25Z	Y54	Y54PPM800WEIICV06

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician	Stephen Barbee
Instrument	TVA1000
Calibration Standard:	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
211	Y1	surface	7,000	6-11-25								
276	Y2	surface	900									
185	Y21	CV24073	60,000									
185	Y22	steel pipe	20,000									
185	Y23	CV24012	30,000									
178	Y24	CV24021	10,000									
178	Y25	CV24027	30,000									
178	Y26	CV2308	1,400									
178	Y27	CV24026	1,529									
32	Y28	H-2168C	5,107									
32	Y29	CV24110	2,876									
32	Y30	12" T cap/pipe	80,000									
32	Y31	CV2321	3,970									
32	Y32	H 1902N	30,000									
33	Y33	H 1956B	1,678									
33	Y34	CV-1907	615									
33	Y35	CV-24109	2,507									
30	Y36	CV-24161	2,730									
30	Y37	H-18048	570									
30	Y38	Surface	9,683									
84	Y39	unmarked	4,463									
85	Y40	CV24210	3,428									

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR /2025		Page 1 of 1 Pages
Technician:	Stephen Borchers.		
Instrument:	TVA 1000		
Calibration Standard:	500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
85	R21	W18045	219	6-11-25					
84	B22	W1764N	397						
220	B1	CV24236	280						
220	B2	Unmarked (west)	226	↓					

6-11-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43011399	-118.650474	2025-06-11T19:04:04Z	B01	280Ppm grid 220well cv 24236
2	34.43015297	-118.650449	2025-06-11T19:08:14Z	B02	226-Ppm grid 220-well unmarked
3	34.43307901	-118.645705	2025-06-11T18:55:53Z	B21	219Ppmgrd85wellh1804s
4	34.43317498	-118.645619	2025-06-11T18:58:20Z	B22	392Ppmgrd84wellh1764n
5	34.43209598	-118.650487	2025-06-11T16:40:34Z	Y01	7000-Ppm grid 211-surface
6	34.43001802	-118.650546	2025-06-11T18:54:55Z	Y02	900Ppm grid 226-surface
7	34.43659999	-118.649187	2025-06-11T16:56:26Z	Y21	10000Ppmgrd185wellcv24073
8	34.43622197	-118.649595	2025-06-11T17:15:42Z	Y22	20000Ppmgrd185steelpipenexttowell145
9	34.43616799	-118.649338	2025-06-11T17:18:54Z	Y23	30000Ppmgrd185wellcv24012
10	34.43615399	-118.649009	2025-06-11T17:22:25Z	Y24	10000Ppmgrd178wellcv24021
11	34.43612901	-118.648691	2025-06-11T17:24:55Z	Y25	30000Ppmgrd178wellcv24027
12	34.43590396	-118.648884	2025-06-11T17:28:17Z	Y26	1400Ppmgrd178wellcv2305
13	34.43568	-118.64923	2025-06-11T17:30:49Z	Y27	1529Ppmgrd178wellcv24026
14	34.43442204	-118.644812	2025-06-11T17:43:14Z	Y28	5107Ppmgrd32wellh2168c
15	34.43463896	-118.644665	2025-06-11T17:45:51Z	Y29	2876Ppmgrd32wellcv24110
16	34.43456302	-118.645282	2025-06-11T17:49:41Z	Y30	80000Ppmgrd32-12inchtcapwpipe
17	34.43463704	-118.645349	2025-06-11T17:53:21Z	Y31	3970Ppmgrd32wellcv2321
18	34.43480199	-118.645071	2025-06-11T17:56:47Z	Y32	30000Ppmgrd32wellh1802n
19	34.43427804	-118.644727	2025-06-11T18:01:11Z	Y33	1978Ppmgrd33wellh1956b
20	34.43425901	-118.644901	2025-06-11T18:03:10Z	Y34	615Ppmgrd33wellcv1907
21	34.43398702	-118.644851	2025-06-11T18:08:57Z	Y35	2507Ppmgrd33wellcv24109
22	34.43385702	-118.645604	2025-06-11T18:20:56Z	Y36	2730Ppmgrd30wellcv24161
23	34.43422599	-118.64562	2025-06-11T18:23:54Z	Y37	570Ppmgrd30wellh1804b
24	34.43395399	-118.645452	2025-06-11T18:26:27Z	Y38	9683Ppmgrd30surface
25	34.43350498	-118.64596	2025-06-11T18:42:44Z	Y39	4463Ppmgrd84unmarkedwell
26	34.432675	-118.645557	2025-06-11T19:03:47Z	Y40	3428Ppmgrd85wellcv24210

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
187	27.44	6-16-25								
189	45.00	↓								
53	34.2	↓								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Quarter / Year:	2ND QTR 2025	2ND QTR 2025	
Technician:	STEPHEN BONCHER	D. HOWARD SR	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
179	Y1	GAS UNMANNED	3000	5-12-25	0820	6-13-25	466					
161	Y101	CV24164	900		0902		26.8					
195	Y105	CV24199	608		0724		73.6					
83	Y81	SURFACE	520		1000		303					
163	Y82	CV24080	652		0951		16.1					
157	Y41	RAMSPOT	608		0837		66.3					
173	Y42	RAMSPOT	568		0810		103					
200	Y43	CV2354	956		0734		47.2					
205	Y44	SW6F	614		0736		112					
209	Y61	CV2328	590		0835		190					
158	Y62	CV24024	50000		0843		40.3					
153	Y63	CV2305	60000		0846		479					
148	Y64	H1801A	1200		0848		363					
53	Y65	GAS UNMANNED	6000		0908		125					
82	Y66	CV24094	900		0910		301					
149	Y67	CV24153	590		0911		54.5					
181	Y21	CV2362	645		0741		60.5					
181	Y22	GAS UNMANNED	4032		0740		376					
180	Y23	GAS UNMANNED	806		0823		280					
180	Y24	CV1607	5023		0822		301					
180	Y25	SURFACE	4098		0822		264					
176	Y26	SURFACE	540		0821		67.2					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Quarter / Year:	2nd Qtr 2025	2nd Qtr 2025	
Technician:	STEPHEN BORCHERS	DIFFERENT	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
176	Y27	CV1902A	9056	5-12-25	0827	6-13-25	405					
176	Y28	SURFACE	500		0828		137					
177	Y29	NEW UNMARKED	1076		0818		332					
156	Y31	NEW UNMARKED	500		0816		78.6					
156	Y32	CV 2201	1423		0816		371					
156	Y33	CV2404	700		0815		183					
145	Y34	NEW UNMARKED	1423		0802		20.5					
77	Y36	NEW P2	500		0758		27.3					
77	Y37	SURFACE	500		0758		44.6					
77	Y38	SURFACE	1023		0757		210					
77	Y39	SURFACE	4021		0757		350					
77	Y121	SURFACE	500		0849		136					
77	Y122	SURFACE	1523		0849		286					
77	Y123	CV2412O	1523		0903		175					
77	Y126	CCHSUMP0	4523		0747		468					
78	Y128	SURFACE	2823		0748		213					
79	Y132	SURFACE	4424		0808		423					
80	Y133	CVH-1	700		0803		127					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723626

MONITORING DATE: 6-13-25 TIME: 0645

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.9 ppm	2.9 ppm	2.4 ppm

Background Value = 2.4 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

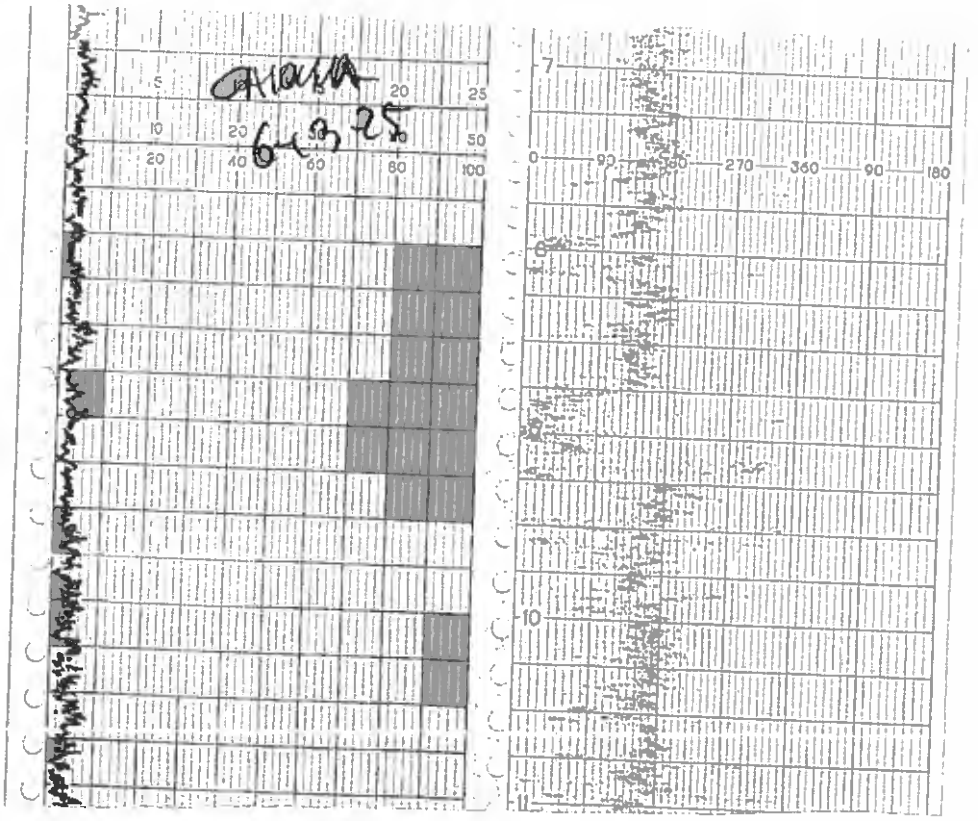
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.65 ppm	501 ppm	1
#2	0.61 ppm	501 ppm	1
#3	0.63 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			#DIV/0! Must be less than 10%

Performed By: D. Hallman Date/Time: 6-13-25 0645

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Quarter / Year:	2nd QTR 2025	2nd QTR 2025	
Technician:	STEPHANIE BORCHERDS	D. Hamilton	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
73	Y81	CV29132	748	5-13-25	0912	6-13-25	93.7					
57	Y82	24213	500		0951		41.3					
63	Y83	CV1538	700		0954		257					
63	Y84	CV1535	510		0954		241					
227	Y61	SURFACE	1500		0700		311					
227	Y62	SURFACE	5000		0904		42.5					
241	Y63	CV24245	1400		0652		388					
241	Y64	SURFACE	2400		0651		1160					
240	Y65	SURFACE	6000		0654		410					
240	Y66	SURFACE	7000		0654		277					
246	Y21	SURFACE	740		0648		347					
248	Y22	SURFACE	580		0645		788					
239	Y23	PIPE	636		0656		113					
55	Y101	CV 2707	1000		0854		30.4					
60	Y102	CV24102	6000		0851		64.8					
76	Y103	CV 2324	1000		0900		106					
37	Y104	H-168E	2000		0859		67.3					
38	Y105	CV1703	1000		0928		245					
35	Y106	H 18015	700		0926		16.8					
51	Y107	WELL CV6	800		0936		319					
50	Y108	WELL CV8	800		0938		97.3					
57	Y109	WELL CV9	3000		0933		315					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Page of Pages

Quarter / Year:	2ND QTR 2025	2ND QTR 2025	
Technician:	STEPHEN BOECHER	D. HERNANDEZ	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
S9	Y121	H21660	760	5-13-25	0756	6-13-25	117					
S9	Y122	CV2411	1952		0753		188					
32	Y123	H21886	1521		0754		397					
33	Y124	CV24109	860		0752		341					
31	Y125	SURFACE	1218		0917		710					
30	Y126	CV24191	970		0915		273					
84	Y127	H18045	4023		0922		631					
92	Y128	CV0009	890		0940		102					
92	Y129	SURFACE	1232		0940		111					
93	Y1	WELL A1	1550		1034		276					
52	Y2	WELL A5	1573		1032		344					
21	Y3	WELL C5	2401		1031		416					
48	Y4	WELL C9	20770		1028		380					
48	Y5	SW GS1	1226		1026		318					
44	Y6	C-11	1835		1025		291					
64	Y7	C-12	2224		1023		470					
65	Y8	C-27	10150		1022		313					
65	Y9	C-15	10470		1020		433					
58	Y10	IC22	7768		1011		427					
71	Y11	C-23	10310		1008		412					
71	Y12	C-22	791		1007		316					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723026

MONITORING DATE: 6-13-25 TIME: 0645

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.9 ppm	2.9 ppm	2.4 ppm

Background Value = 2.4 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.65 ppm	501 ppm	1
#2	0.61 ppm	501 ppm	1
#3	0.63 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			#DIV/0! Must be less than 10%

Performed By: D. Hamm Date/Time: 6-13-25 0645

WIND SPEED & DIRECTION CHART ROLL

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd Qtr 12025
Technician:	Stephen Isaacs	Jerry Munoz
Instrument:	TVA1000	TVA 1000
Calibration Standard:	25ppm	25 PPM

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
81	67.34	6-3-25		6-12-25	24.30					
82	47.43	↓		↓	20.60					
171	33.50	↓		↓	24.30					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL # 121930900

MONITORING DATE: 6-12-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.15 ppm	8.35 ppm	7.75 ppm

Background Value = 7.75 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

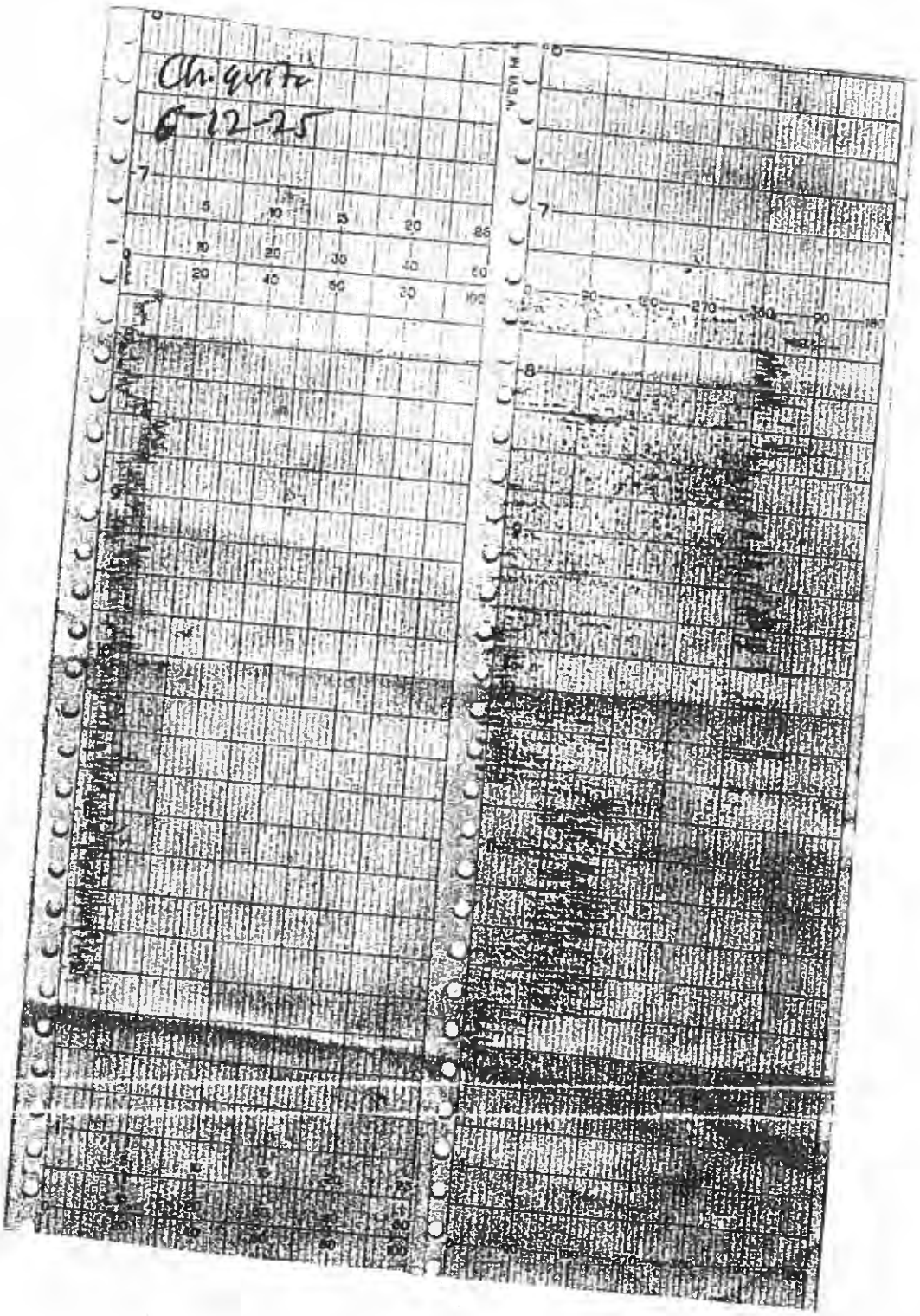
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.8% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 6-12-25 0800

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/ 2025	2nd Qtr /2025	
Technician:	Stephen Borchers	Jerry Munoz	
Instrument:	TVA1000	TVA 1000	
Calibration Standard:	25ppm	25 ppm	

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
216	40.00	6-11-25		6-12-25	20.17					
99	33.45	↓		↓	19.17					
89	25.49				21.60					
217	31.23				22.05					
215	58.40				23.06					
214	28.42				24.09					
159	74.76				21.09					
155	64.20	↓		↓	23.30					

RMS
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita. INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL #: 121930900

MONITORING DATE: 6-12-25 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
7.15 ppm	8.35 ppm	7.75 ppm

Background Value = 7.75 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.1 ppm	20 ppm	6
#2	25 ppm	20 ppm	8
#3	24.5 ppm	20 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

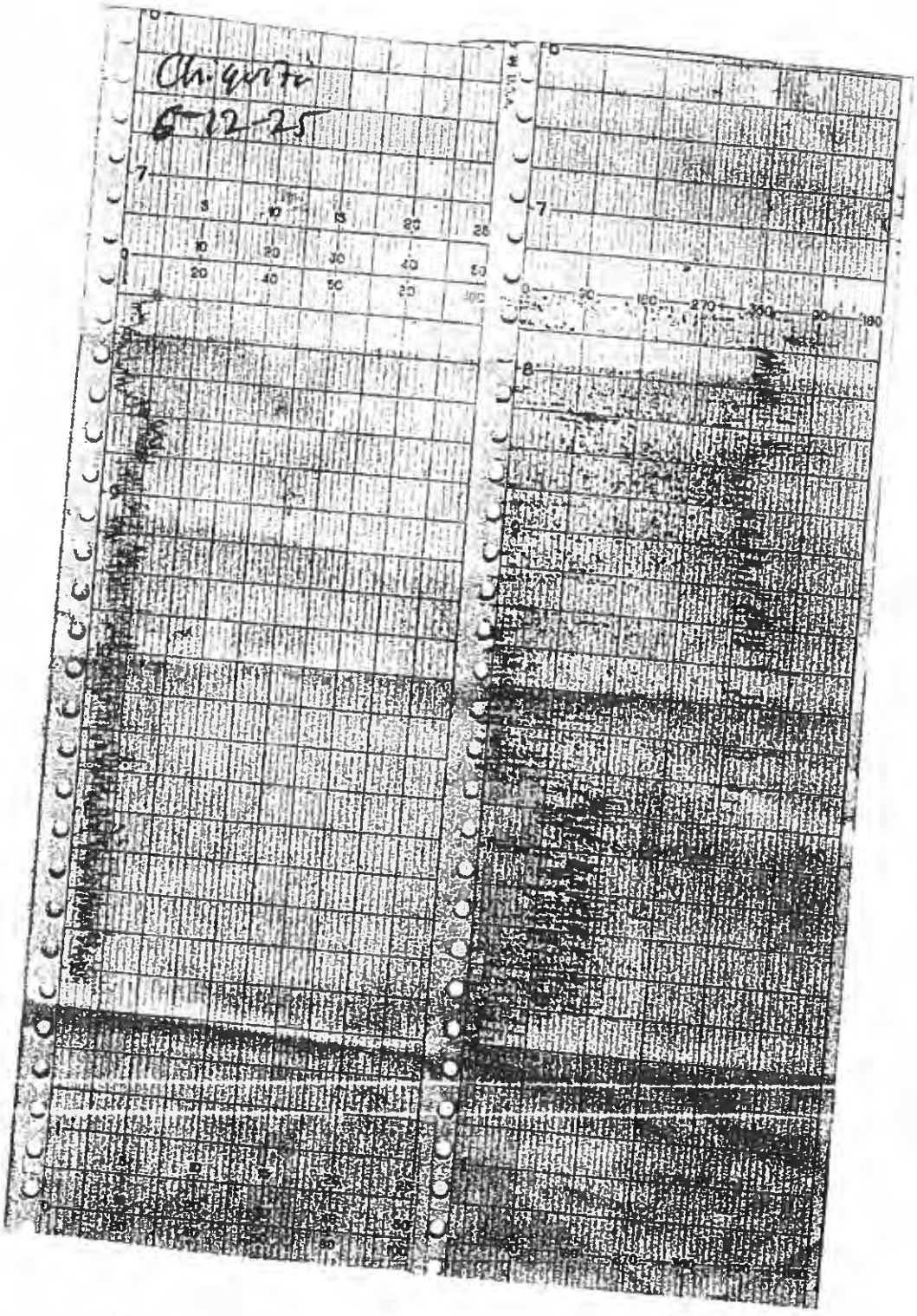
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	24.1 ppm	.9
#2	1.0 ppm	25 ppm	0
#3	0.0 ppm	24.5 ppm	.5
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.8% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 6-12-25 0800

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Page of Pages

Quarter / Year:	2nd Qtr 2025				2nd Qtr 2025								
Technician:	STEPHEN BONILLA				JIMMY MUNOZ								
Instrument:	TVA 1000				TVA 1000								
Calibration Standard:	500				500 PPM								
Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days				
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	
8	Y21	WELL 038	700	5-14-25	1120	6-12-25	320						

RES
Environmental

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 56 SERIAL #: 0915249395

MONITORING DATE: 6-12-25 TIME: 0735

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.45 ppm	6.13 ppm	5.79 ppm

Background Value = 5.79 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	500 ppm	450 ppm	8
#3	501 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

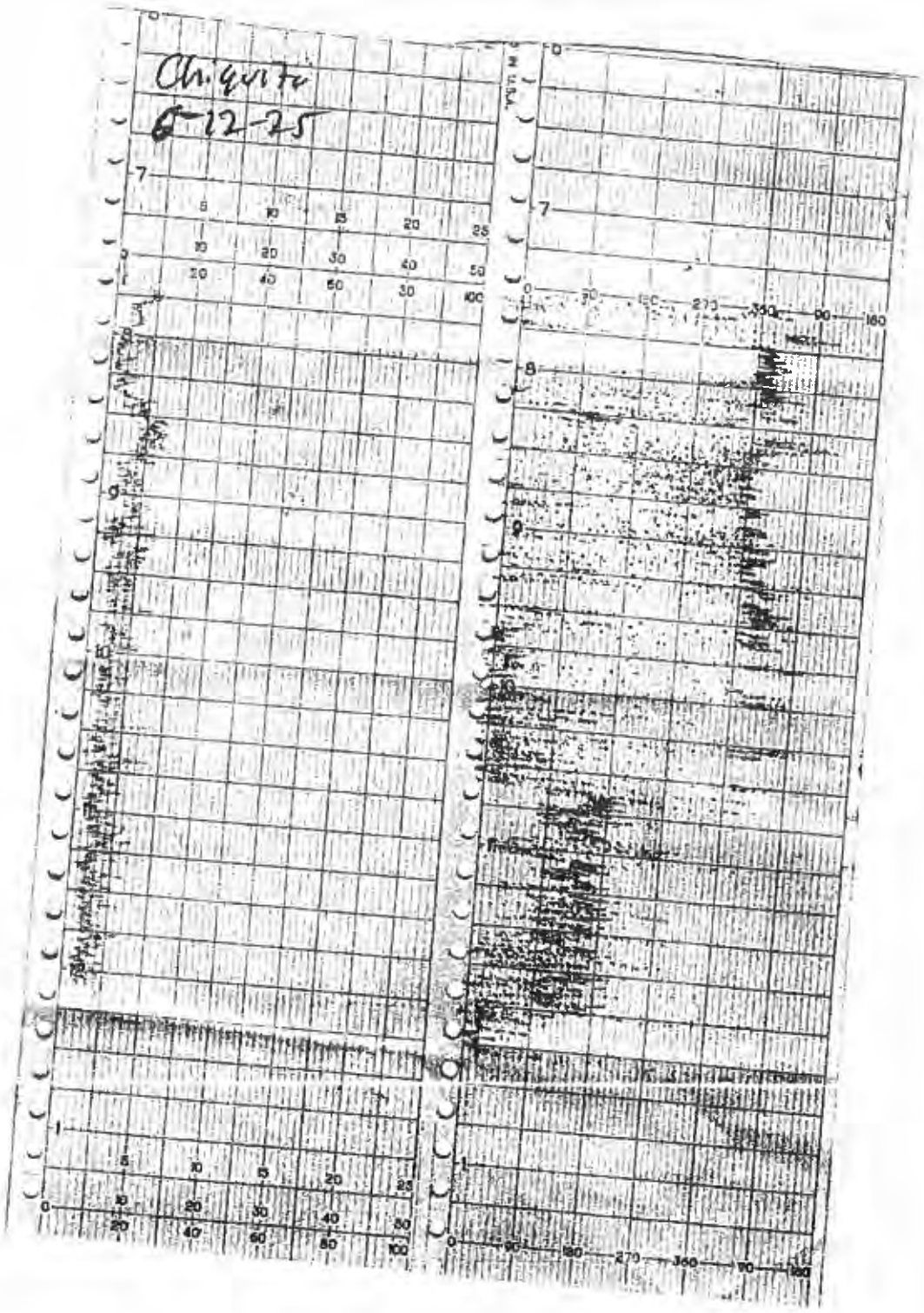
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	1.0 ppm	500 ppm	0
#3	0.0 ppm	501 ppm	1
Calculate Precision [STD-B1) + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.13% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 6-12-25 / 0735

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd Qtr	2nd Qtr 2023	
Technician:	Jerry Munoz	Jerry Munoz	
Instrument:	TVA-1000	TVA-1000	
Calibration Standard:	500 PPM	500 PPM	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
165	Y100	EW24114	702	6-5-25		6-12-25 10:46	52.60					
160	Y101	well EW24104	564			10:44	140.64					
160	Y102	well EW24038	994			10:39	180.20					
89	Y103	well MW2274B	782			11:13	320					
88	Y104	well EW24106	516			11:03	172.08					
194	Y105	well EW24116	406			11:15	94.01					
162	Y140	well EW24104	660			10:45	52.27					
214	Y141	well MW-11-316	700			10:47	101.34					
217	Y60	well EW24114	708			11:10	55.34					
53	Y120	well MW504A	728			10:23	131.23					
82	Y121	well EW-24054	560			10:58	168.30					
81	Y123	Surface	1500			11:26	240.61					
159	Y122	Surface	1600			11:34	260.51					
171	Y40	EW24060	900			11:57	12.56					
170	Y41	well EW2302	8000			11:58	100.00					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita

Quarter / Year:	2nd Qtr				2nd Qtr 2025				Page 1 of 1 Pages	
Technician:	Jerry Munoz				Jerry Munoz					
Instrument:	TVA-1000				TVA-1000					
Calibration Standard:	500 PPM				500 PPM					
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments	
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored 1052	Field Reading <200 ppm	Field Reading >200 ppm		
15E	D60	Ram pos well	359	6-5-25		6-26-25	132 BD			

RES

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE Thermo

MODEL: TVA 1000 EQUIPMENT # 56 SERIAL # 0415249395

MONITORING DATE: 6-12-25 TIME: 0755

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.45 ppm	6.13 ppm	5.79 ppm

Background Value = 5.79 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	500 ppm	450 ppm	8
#3	501 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

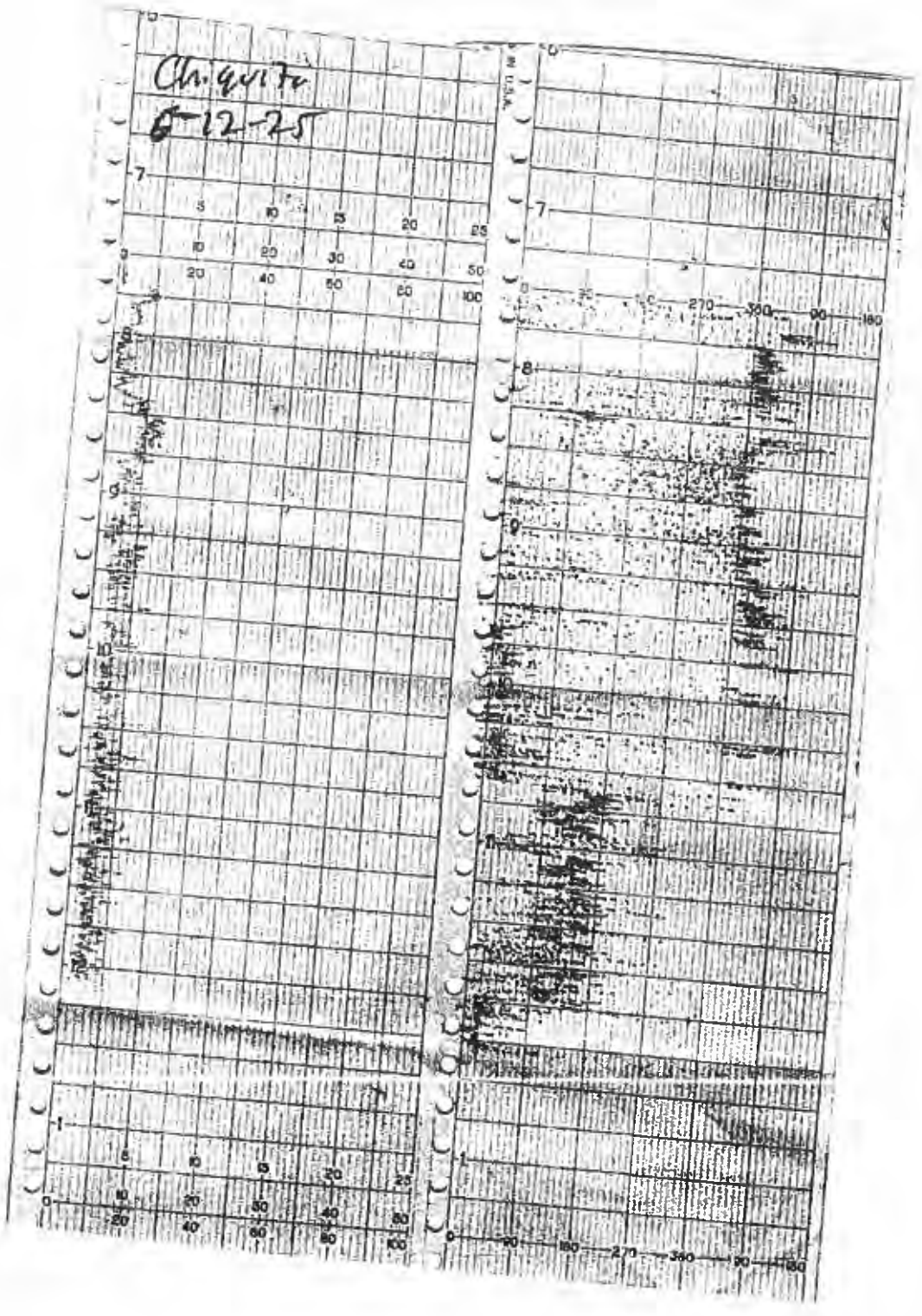
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	1.0 ppm	500 ppm	0
#3	0.0 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.13% #DIV/0! Must be less than 10%

Performed By Stephen Burchess Date/Time 6-12-25 / 0755

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician	Stephen Borchers
Instrument	TVA 1000
Calibration Standard	500ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd <500 ppm	Excd >500 ppm
166	Y1	H1505C	1,546	6-17-25								
166	Y2	CV24071	4,952									
166	Y3	CV24070	685									
166	Y4	CV24083	4,151									
166	Y5	CV24051	1,756									
159	Y6	H1952	8,451									
165	Y81	CV24164	505									
168	Y82	CV2416	1,800									
168	Y83	Surface	1,500									
83	Y84	CV845	2,000									
172	Y61	CHIFP041	905									
152	Y63	CV2315	509									
147	Y64	CV24054	835									
171	Y21	2302	6,462									
171	Y22	CV24060	641									
158	Y23	CV2472	5,025									
158	Y24	CV2473	4,098									
153	Y25	CV2463	704									
53	Y26	CV2319	640									
53	Y27	Surface	2,404									
66	Y28	2316A	2,515									
170	Y41	2450	602									

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

Quarter / Year:	2nd QTR / 2025		Page \ of \ Pages
Technician:	Stephen Simmons		
Instrument:	TVA1000		
Calibration Standard:	500ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
158	B21	CV 2328	403	6-17-25					

6-17-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43435096	-118.648298	2025-06-17T17:40:50Z	B21	403Ppm well Cv2328
2	34.43396003	-118.648463	2025-06-17T18:12:57Z	Y1	1546Ppmgrd166 well1565c
3	34.43404896	-118.648438	2025-06-17T18:19:29Z	Y2	4962Ppmgrd166wellcv24071
4	34.43409003	-118.649156	2025-06-17T17:24:42Z	Y21	6462Ppm well2302
5	34.43407	-118.648742	2025-06-17T17:28:03Z	Y22	641Ppm well Cv24060
6	34.43422096	-118.648012	2025-06-17T17:44:41Z	Y23	5025Ppm well cv2472
7	34.43446504	-118.647622	2025-06-17T17:50:23Z	Y24	4098Ppm well Cv2473
8	34.43498304	-118.647476	2025-06-17T17:57:27Z	Y25	704Ppm well Cv2463
9	34.43535	-118.645761	2025-06-17T18:15:48Z	Y26	640Ppm well cv2319
10	34.43550398	-118.645691	2025-06-17T18:20:33Z	Y27	2404Ppm surface
11	34.43607403	-118.646345	2025-06-17T18:23:27Z	Y28	2519Ppm well2316a
12	34.43376004	-118.648668	2025-06-17T18:29:18Z	Y3	665Ppmgrd166wellcv24070
13	34.43376498	-118.648303	2025-06-17T18:39:14Z	Y4	4151Ppmgrd166wellcv24083
14	34.43375803	-118.649945	2025-06-17T18:32:59Z	Y41	Ppm602grid170well2450
15	34.43347799	-118.648535	2025-06-17T18:42:50Z	Y5	1756Ppmgrd166wellcv24081
16	34.43386699	-118.647589	2025-06-17T19:00:14Z	Y6	8952Ppmgrd159wellh1952
17	34.43405198	-118.650595	2025-06-17T18:12:33Z	Y61	Y61PPM905WEIICHIFP041
18	34.435494	-118.647169	2025-06-17T18:49:25Z	Y63	Y63PPM809WEIICV2315
19	34.43566198	-118.647177	2025-06-17T19:12:34Z	Y64	Y64PPM835WEIICV24054
20	34.433538	-118.647926	2025-06-17T18:24:32Z	Y81	535-Ppm grid 165-well cv 24164
21	34.433279	-118.647654	2025-06-17T18:39:42Z	Y82	1800Ppm grid 160-well cv2416
22	34.43342996	-118.647436	2025-06-17T18:50:26Z	Y83	1500Ppm grid 160-surface
23	34.43377404	-118.646175	2025-06-17T19:24:06Z	Y84	2000Ppm grid 83-well cv84s

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

Quarter / Year:	2nd QTR/2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
213	59.70	6-17-25								
204	25.32	↓								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician.	Stephen Borchers	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
178	Y21	well CV24027	6000	5-27-25	0757	6-6-25	165					
178	Y22	well CV24020	2500		0759		182					
184	Y23	well CV2311	12100		0802		6.73					
194	Y81	well CV24116	745		0926		10.30					
99	Y82	Surface	945		0925		20.83					
197	Y83	well CV24198	1210		0917		156					
149	Y43	well CV24153	800		0906		7.56					
81	Y44	well CV1428	935		0907		64.14					
82	Y45	well 24150	576		0903		81.73					
196	Y58	well CV24193	560		0930		10.15					
80	Y61	well 41	725		0857		15.62					
80	Y62	Valve 7A52	10690		0852		34.30					
79	Y63	well CV24147	2400		0937		45.32					
79	Y64	well CV 48R	855		0838		31.10					
78	Y65	well 24122	2100		0832		176					
77	Y66	well CCNSMP01	1150		0831		17.82					
77	Y67	Steel Pipe	10137		0827		31.22					
77	Y68	well CCNSMP02	10179		0825		8.77					
145	Y69	Steel Pipe	30333		0822		8.69					
145	Y70	well CHKP006	1150		0816		16.32					
145	Y71	well CV24035	926		0814		11.14					
145	Y72	well CV24030	1635	✓	0812	✓	18.29					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR/2025	2nd QTR / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
145	Y73	well CV2424	2,873	5-27-25	0810	6-6-25	20.19					
150	Y74	well 2415	1,825		0808		76.14					
150	Y75	well CV24028	1,016		0806		100					
150	Y76	well CV24022	3,184		0804		76.82					
150	Y77	well CV2206	50,650		0753		411					
150	Y78	well RAMP01	5,600		0752		44.32					
157	Y79	well CV2441	50,000		0748		10.34					
157	Y80	well CV2434	1,192		0750		14.72					
76	Y101	well CV1423	6,881		0842		8.10					
76	Y102	well CV1423	2,661		0843		7.62					
152	Y103	well PO25	1,850		0732		6.45					
157	Y104	well CV24046	6,250		0733		6.49					
157	Y105	well CV24038	50,142		0743		6.59					
172	Y106	well RAMSP04	2,065	↓	0745	↓	10.68					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	Page 1 of 1 Pages
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
194	B81	Surface	365	5-27-25	0932	6-6-25	17.5		
159	B41	well CV-24156	300		0938		64.32		
165	B50	well CV-2408	250		0934		16.58		
78	B61	Surface / Pipe	265		0834		7.81		
66	B62	well 23164	446	↓	0845	↓	10.54		

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 4 SERIAL #: 1035045571

MONITORING DATE: 6-6-25 TIME: 0710

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.46 ppm	6.25 ppm	5.85 ppm

Background Value = 5.85 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	499 ppm	450 ppm	7
#3	501 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

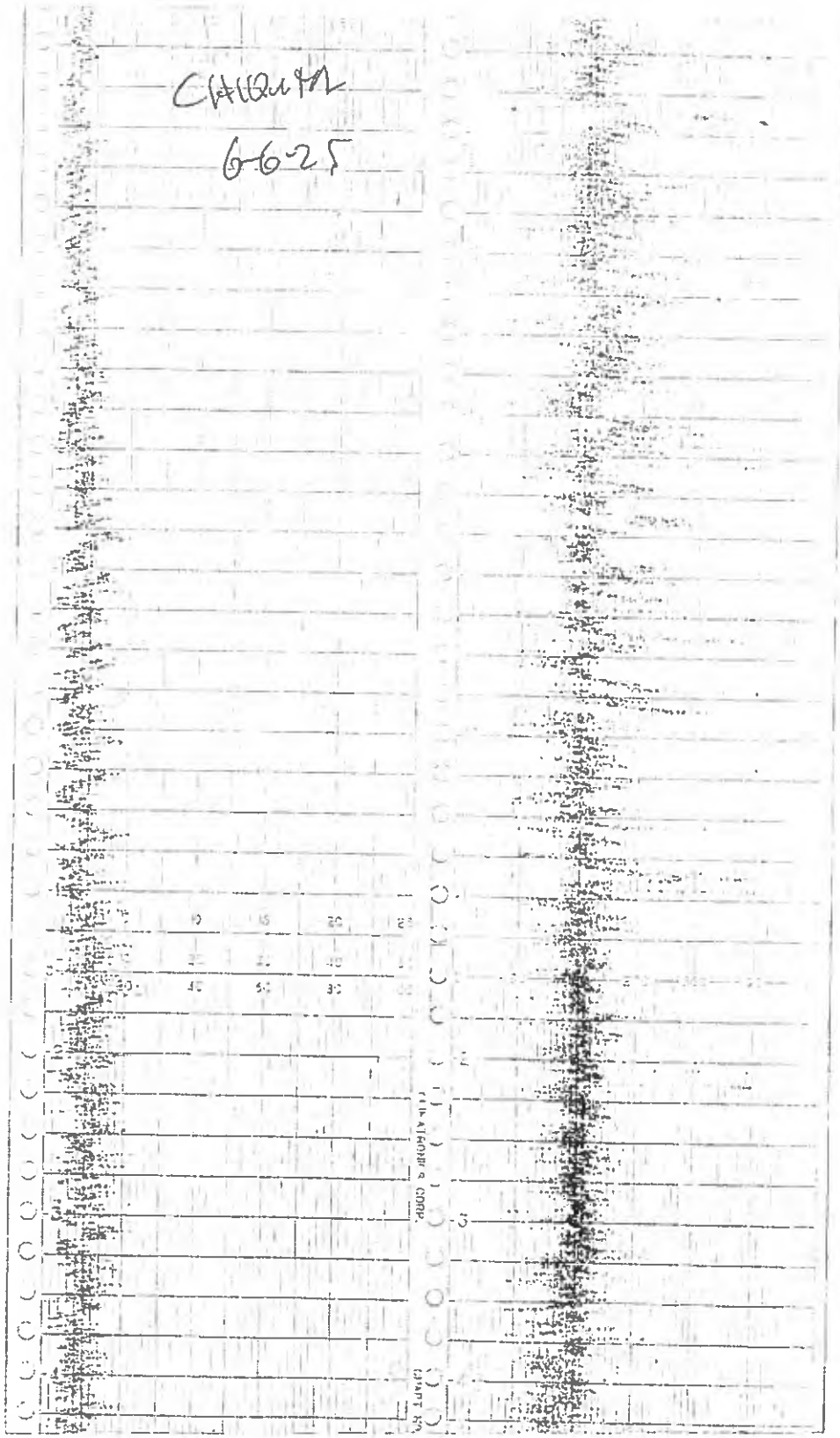
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	497 ppm	3
#2	0.3 ppm	499 ppm	1
#3	0.5 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.33% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 6-6-25 / 0710

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Page 1 of 1 Pages

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
93	Y1	surface/pipe	1,300	5-29-25	1015	6-6-25	186					
93	Y2	well A1	20,000		1018		154					
92	Y3	well A2	1,450		1020		198					
92	Y4	Pipe/cap	1,180		1022		78.60					
92	Y5	Valve	2,181		1024		59.64					
92	Y6	well A-5	3,361		1027		160					
21	Y7	well C-8	1,252		1037		380					
48	Y8	well C9	4,231		1036		65.60					
48	Y9	well C-10	2,281		1039		119					
45	Y10	wellSW115	620		1040		29.34					
44	Y11	well C-11	1,720		1042		268					
65	Y12	well C-27	1,890		1045		233					
65	Y13	well C-15	1,250		1046		195					
65	Y14	well C-26	20,000		1047		100					
58	Y15	well H-22	9,881		1049		64.86					
58	Y16	well C-25	1,410		1050		500					
58	Y17	well C-21	2,111		1051		65.76					
71	Y18	well C-23	30,110		1052		199					
71	Y19	well C-22	550	✓	1053	✓	51.61					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025				2nd QTR / 2025				Page 1 of 1 Pages
Technician:	Stephen Borchers				Stephen Borchers				
Instrument:	TVA 1000				TVA 1000				
Calibration Standard:	500 ppm				500 ppm				
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
64	B1	well C12	290	5-24-25	1044	6-6-25	71.60		
80	B2	well SW80	280	↓	1045	↓	57.80		

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TLA1000 EQUIPMENT #: 4 SERIAL #: 1035045571

MONITORING DATE: 6-6-25 TIME: 0710

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.46 ppm	6.25 ppm	5.85 ppm

Background Value = 5.85 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	499 ppm	450 ppm	7
#3	501 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

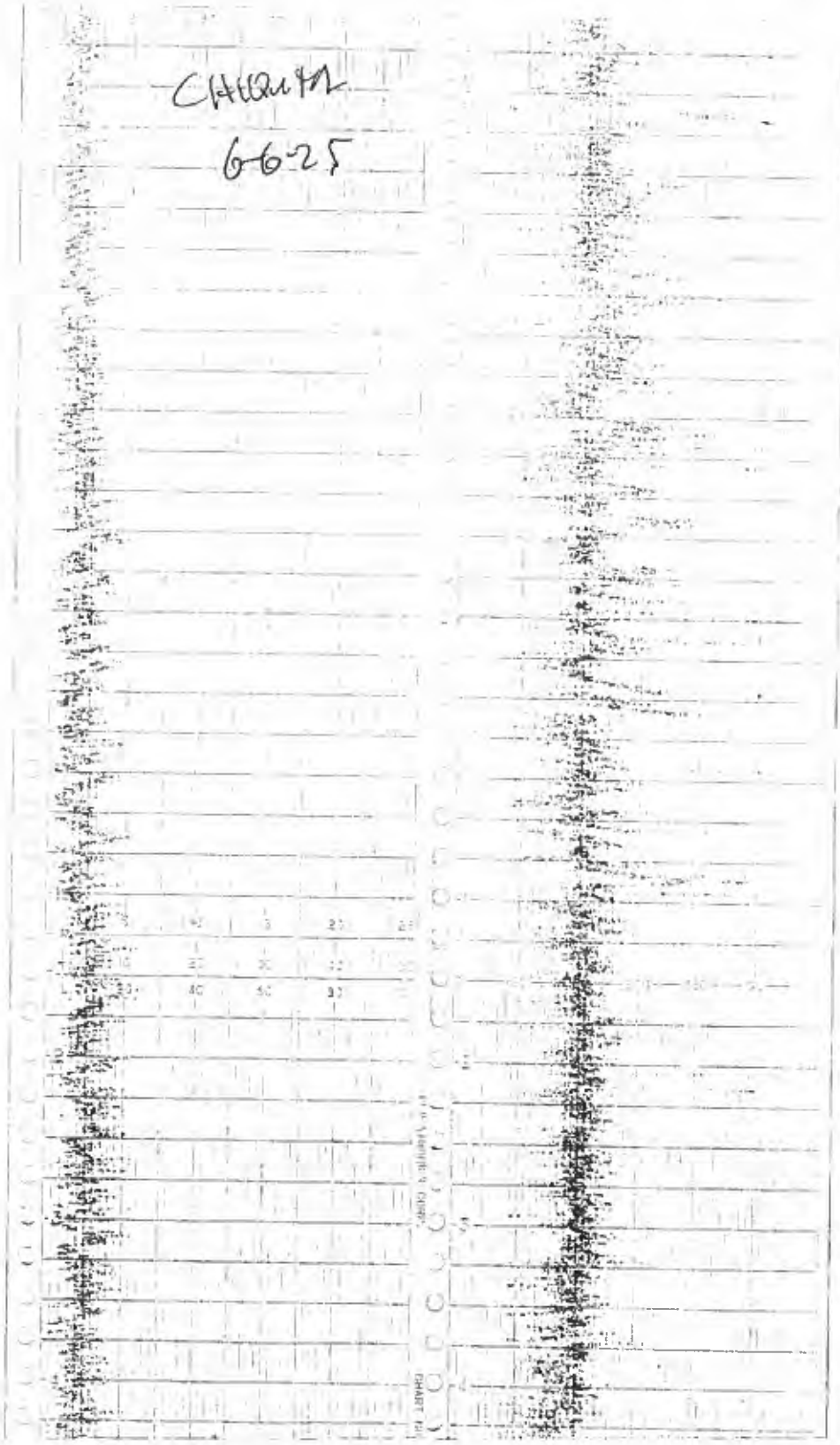
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	497 ppm	3
#2	0.3 ppm	499 ppm	1
#3	0.5 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.33% #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 6-6-25 / 0710

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025
Technician	Stephen Borchers	Stephen Borchers
Instrument	TVA 1000	TVA 1000
Calibration Standard:	500 ppm	500 ppm

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd <500 ppm	Excd >500 ppm
156	Y41	CV2201	20,562	5-28-25	1133	6-6-25	458					
156	Y42	RAMSP02	30,496		1133		269					
156	Y43	CV2403g	60,410		1134		467					
177	Y44	Blowpipe/cap	5,610		1136		263					
176	Y45	CHEFP031	10,460		1138		16.10					
174	Y46	CV23424	1,017		1141		149					
163	Y47	Blowpipe	1,350		1230		310					
199	Y48	CV24193	2,128		1253		206					
214	Y49	H2163W	2,050		1258		101					
214	Y50	H2161W	1,048		1300		98.63					
215	Y51	H102A	2,650		1305		140					
215	Y52	Blowpipe unmarked	2,972		1307		209					
215	Y53	H103A	2,335		1311		75.65					
36	Y21	CV24110	638		1240		78.92					
37	Y22	H2169E	647		1245		198					
42	Y23	CV17015	793		1249		226					
73	Y01	CV24132	6,000		1210		136					
59	Y02	CV24111	3,800		1158		257					
54	Y03	H2166C	2,800		1159		195					
60	Y04	CV24112	620		1201		205					
57	Y05	CV24213	2,400		1217		58.63					
63	Y06	CV535	7,000		1225		100					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year	2nd QTR / 2025	2nd QTR / 2025	
Technician	Stephen Borchers	Stephen Borchers	
Instrument	TVA 1000	TVA 1000	
Calibration Standard	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd >500 ppm
58	Y81	surface	500	5-28-25	1215	6-6-25	7.40					
65	Y82	surface	505		1320		19.64					
64	Y83	well H29	580		1325		22.16					
44	Y84	surface	800		1332		16.14					
45	Y85	surface	806		1335		101					
46	Y86	P52-800	960		1339		210					
47	Y88	well 24119	582		1343		28.65					
52	Y89	well TD17	902		1350		69.42					
43	Y90	CV24212	508		1359		53.69					
51	Y91	surface	935		1353		101					
92	Y92	CV009	985		1409		122					
97	Y94	surface	500		1402		17.64					
94	Y96	surface	560		1413		17.48					
97	Y97	HDPESPR902	500		1417		199					
95	Y98	well D6	530		1422		25.68					
215	Y62	surface	3845		1431		159					
227	Y63	surface	1475		1434		126					
227	Y64	surface	1952		1439		154					
227	Y65	well N6d	5264		1442		210					
228	Y66	CV21510	1870		1449		206					
231	Y68	surface	600		1453		111					
231	Y69	DITCH51	593		1454		121					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chippewa Canyon Landfill

Quarter / Year:	2nd QTR 2025	2nd QTR / 2025	
Technician:	Stephen Bouchard	Stephen Bouchard	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
237	Y 70	CH4L303.1	5213	5-28-25	C459	6-6-25	9:56					
232	Y 71	CH7306N	500	〃	1503	〃	13:45					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	Page / of / Pages
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
227	B61	surface	200	5-28-25	1525	6-6-25	116		
229	B67	well NOID	200	↓	1529	↓	92.68		
223	B69	surface	231		1532		48.59		
33	B21	CV-1907	264		1555		62.19		
40	B23	CV 2012	386		1545		103		
42	B22	CV 17010	216	↓	1549	↓	122		

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TLA1000 EQUIPMENT #: 4 SERIAL # 1035045571

MONITORING DATE: 6-6-25 TIME: 0710

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.46 ppm	6.25 ppm	5.85 ppm

Background Value = 5.85 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	499 ppm	450 ppm	7
#3	501 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

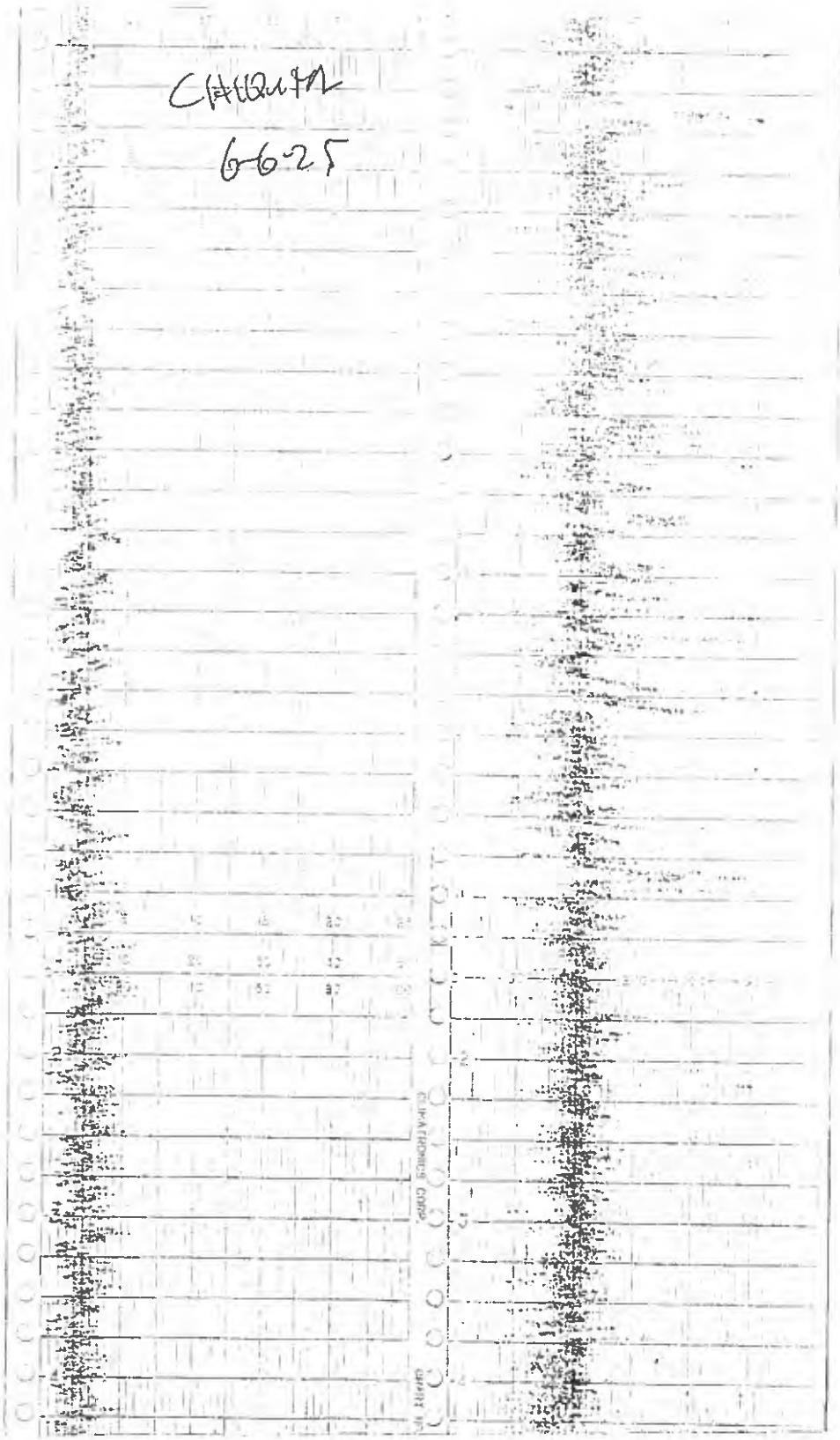
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	497 ppm	3
#2	0.3 ppm	499 ppm	1
#3	0.5 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.33% #DIV/0! Must be less than 10%

Performed By: Stephen Barchers Date/Time 6-6-25 / 0710

WIND SPEED & DIRECTION CHART ROLL



Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd >25 ppm
201	26.78	6-23-25								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita LandFill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Backhus
Instrument:	TVA1000
Calibration Standard:	25 ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd <25 ppm	Excd. >25 ppm
87	47.75	6-25-25								
91	39.37	↓								
92	59.30									
239	30.40									
51	28.80									
52	27.00									
94	30.45									
33	27.60									

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
225	25.12	6-24-25								
244	38.53	↓								
243	43.68									
242	32.31									
241	38.95									
145	80.49									
150	140									
80	68.13	↓								

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025
Technician:	Stephen Borchers
Instrument:	TVA1000
Calibration Standard:	25ppm

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
225	25.12	6-24-25								
244	38.53	↓								
243	43.68									
242	32.31									
241	38.95									
145	80.49									
150	140									
80	68.13	↓								

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd Qtr / 2025	2nd Qtr / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
94	4120	surface	896	5-22-25	0948	6-19-25	57.10					
216	4126	well cap	961		0950		25.80					
82	421	well unmarked	5,000		1040		59.64					
82	422	well CV24094	1,200		1041		51.92					
197	423	well H1771M	800		1041		19.71					
154	424	well unmarked	3,000		1014		57.34					
157	425	well CV74R	5,000		1015		57.0					
159	426	well CV2484	600		1016		35.60					
171	427	well CV24060	6,000		1017		102					
161	428	well H1565C	1,200		1018		75.80					
173	429	well CV24036	1500		1044		34.60					
173	430	well RAMSP05	6,000		1045		51.10					
170	431	well CV24043	525		1046		75.13					
78	461	well CV24122	1500		1102		8.89					
78	462	well CV24123	821		1105		9.97					
78	463	surface	1172		1059		11.98					
79	464	well CV24147	7300		1059		12.63					
79	465	well CV48R	1020		1058		14.24					
80	466	well H-1	1450		1045		70.52					
83	467	well CV24160	3800		1044		58.22					
185	468	well capped 21673	2600		1039		49.38					
185	469	well unmarked	2300	↓	1074	↓	71.50					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd qtr / 2025	2nd Qtr / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
160	470	well CV2489	2,300	6-19-25	1012	6-19-25	12.20					
165	471	well CV2487	2181		1010		11.29					
165	472	well capped H2277A	1123		1007		59.6					
165	473	well CV24079	28,000		1008		12.56					
208	474	well CV2001	10,480		1000		12.62					
208	475	steel pipe	2591		1001		12.68					
178	41	CV2308	500		1035		21.16					
146	46	CV2484	500		1036		28.42					

RES

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME Chiquita INSTRUMENT MAKE Thermo

MODEL TVA1000 EQUIPMENT # 32 SERIAL # 0929535423

MONITORING DATE 6-19-25 TIME 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.75 ppm	6.38 ppm	6.06 ppm

Background Value = 6.06 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	498 ppm	450 ppm	6
#2	499 ppm	450 ppm	7
#3	501 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.2 ppm	498 ppm	2
#2	0.3 ppm	499 ppm	1
#3	0.1 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By Stephen Bowles Date/Time 6-19-25 / 0715

RES
Environmental

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL TVA1000 EQUIPMENT #: 43 SERIAL # 15865062

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.95 ppm	6.42 ppm	6.18 ppm

Background Value = 6.18 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	500 ppm	450 ppm	7
#3	503 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

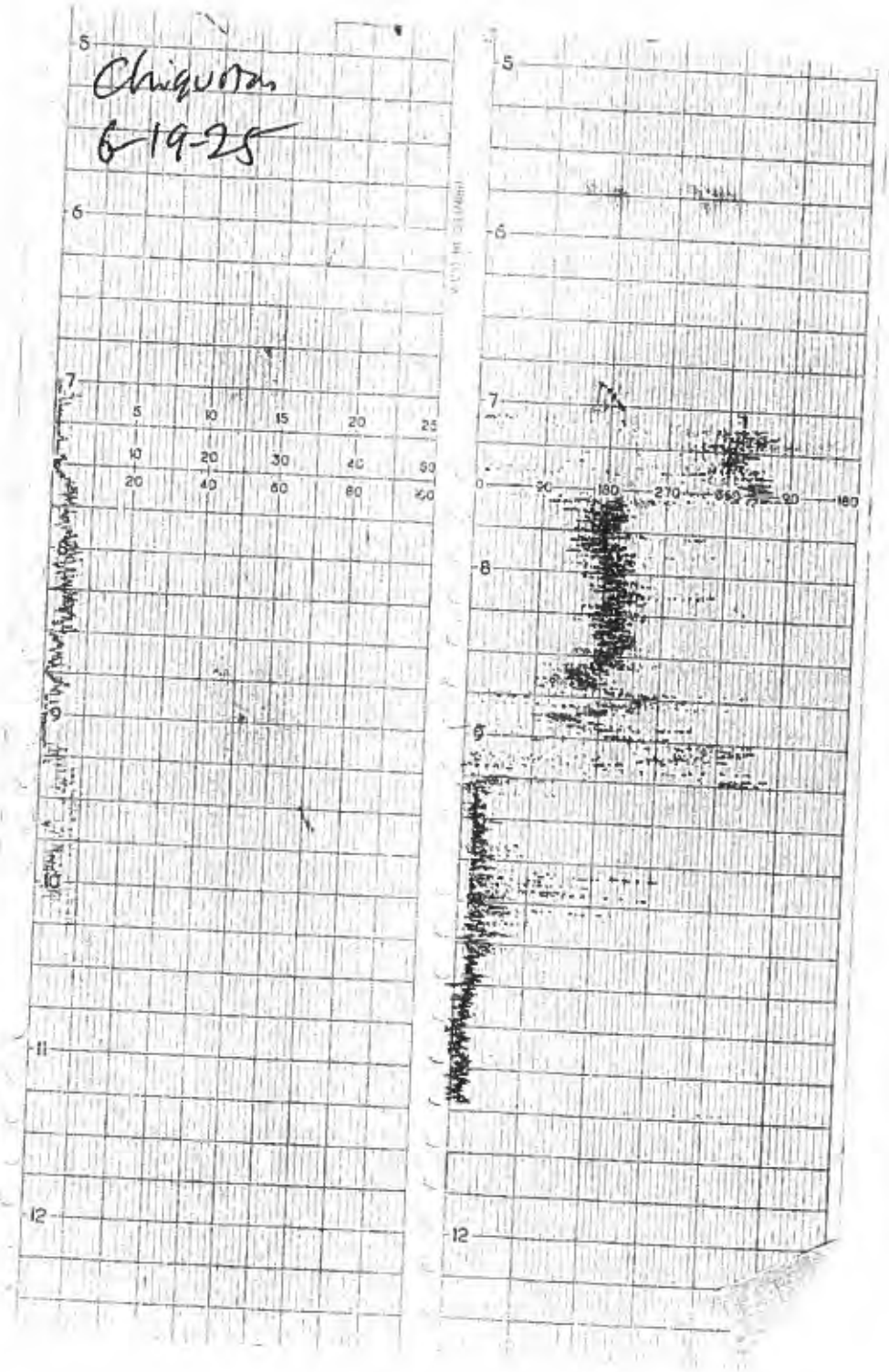
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	0.3 ppm	500 ppm	0
#3	0.5 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By Stephen Barclay Date/Time 6-19-25 / 0715

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd Qtr /2025	2nd Qtr / 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
178	421	well CV24027	6,000	5-27-25	0954	6-25-25	332					
178	422	well CV24020	2,500		0939		17.9					
184	423	well CV2311	1,200		0942		32.4					
194	481	well CV24116	745		0755		21.3					
99	482	Surface	945		0738		137					
197	483	well CV24198	1210		0759		26.2					
149	443	well CV24153	0800		0849		55.4					
81	444	well CV1428	735		0852		97.4					
82	445	well 24150	576		0850		103					
196	458	well CV24193	560		0843		44.6					
80	461	well #1	725		0744		78.1					
80	462	valve 2A525	10,690		0745		247					
79	463	well CV24147	2400		0749		63.1					
79	464	well CV 4BR	855		0751		25.6					
78	465	well 24122	2100		1006		97.4					
77	466	well CCANSMP01	1150		1007		476					
77	467	steel pipe	10137		1011		80.1					
77	468	well CCNSMP02	10179		1012		78.6					
145	469	steel pipe	30,333		1014		37.4					
145	470	well CHSP006	1150		1020		202					
145	471	well CV24035	926		1019		139					
145	472	well CCV24030	1635	↓	1016	↓	113					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd Qtr / 2025	2nd Qtr / 2025	
Technician:	Stephen Borchers	D. Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
145	473	well CV2424	2,873	5-27-25	1027	6-25-25	19.1					
150	474	well 2415	1,825		1029		412					
150	475	well CV24028	1,016		0949		406					
150	476	well CV24022	3,184		0946		486					
150	477	well CV2206	50,650		0951		42.6					
150	478	well RAMSP01	5,600		0952		67.1					
151	479	well CV2441	50,000		1000		28.9					
151	480	well CV24134	1,192		0957		484					
76	4101	well CV1423	6,881		0907		58.9					
76	4102	well CV1423	2,661		0908		113					
152	4103	well P025	1,850		0917		12.3					
157	4104	well CV24046	6,250		0918		14.9					
157	4105	well CV24038	50,142		0920		64.8					
172	4106	well RAMSP04	2,065		0921		450					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 44 SERIAL #: 171930 90

MONITORING DATE: 6-25-25 TIME: 0900

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.5 ppm	2.9 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	500 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

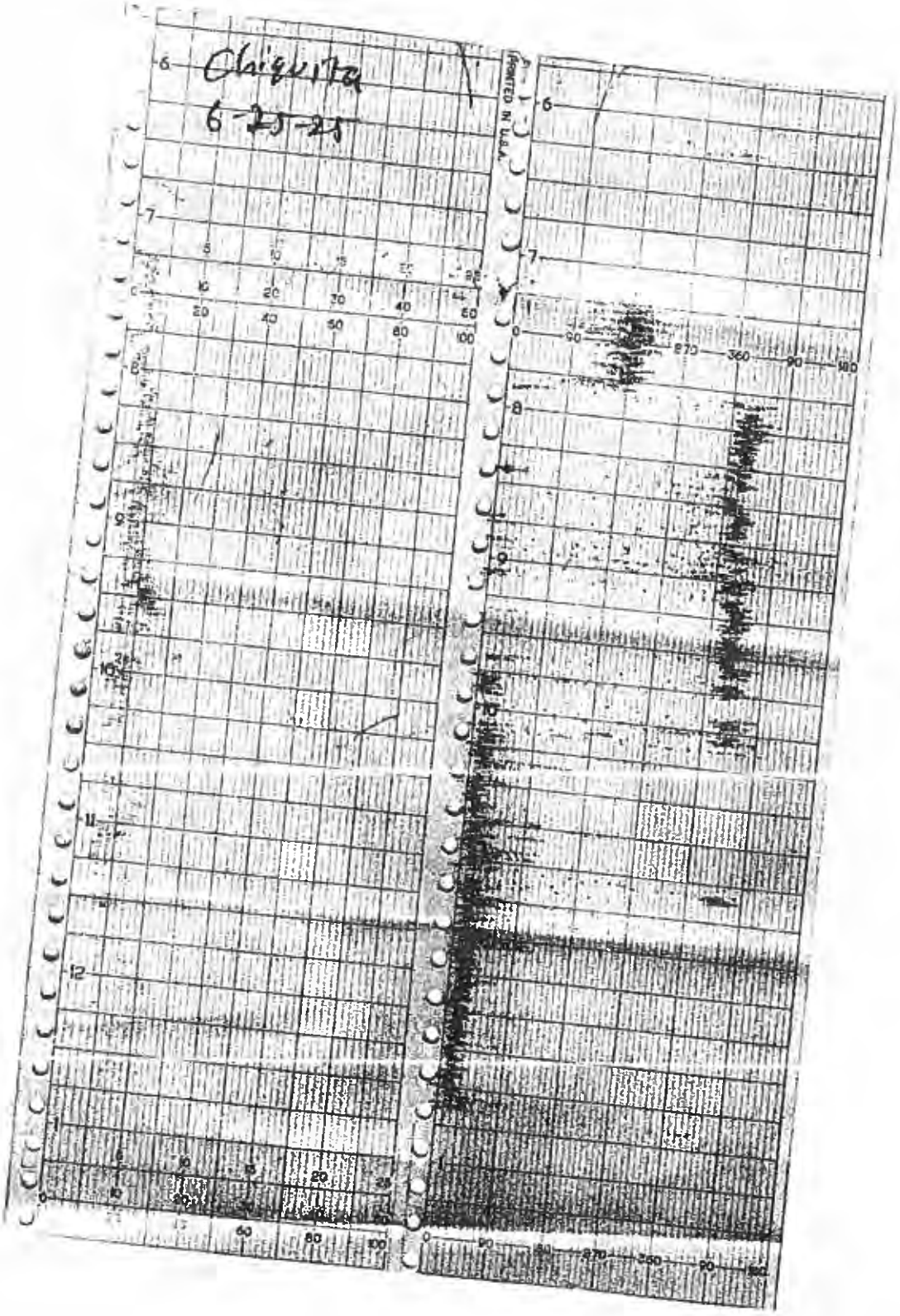
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	501 ppm	1
#2	0.65 ppm	501 ppm	1
#3	0.61 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.1 #DIV/0! Must be less than 10%

Performed By: D. Hemmer Date/Time: 6-25-25 0700

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd Qtr/2025	2nd Qtr / 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
93	41	surface/pipe	1,300	5-29-25	0714	6-25-25	450					
93	42	well A1	20,000		0715		160					
92	43	well A2	1,450		0717		76.7					
92	44	Pipe/Cap	1,180		0722		475					
92	45	valve	2,181		0723		480					
92	46	well A-5	3,361		0726		377					
21	47	well C-8	1,352		0728		410					
48	48	well C9	4,231		0730		260					
48	49	well C-10	2,281		0731		147					
45	410	well SW 115	620		0732		277					
44	411	well C-11	1,720		0735		363					
65	412	well C-27	1,890		0737		411					
65	413	well C-15	1,250		0737		425					
65	414	well C-26	20,000		0739		390					
58	415	well H-22	9,881		0740		313					
58	416	well C-25	1,410		0741		281					
58	417	well C-21	2,111		0741		299					
71	418	well C-23	30,110		0742		219					
71	419	well C-22	550		0743		42.4					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA-1000 EQUIPMENT #: 44 SERIAL #: 171930 90

MONITORING DATE: 6-25-25 TIME: 0900

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.5 ppm	2.9 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	500 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

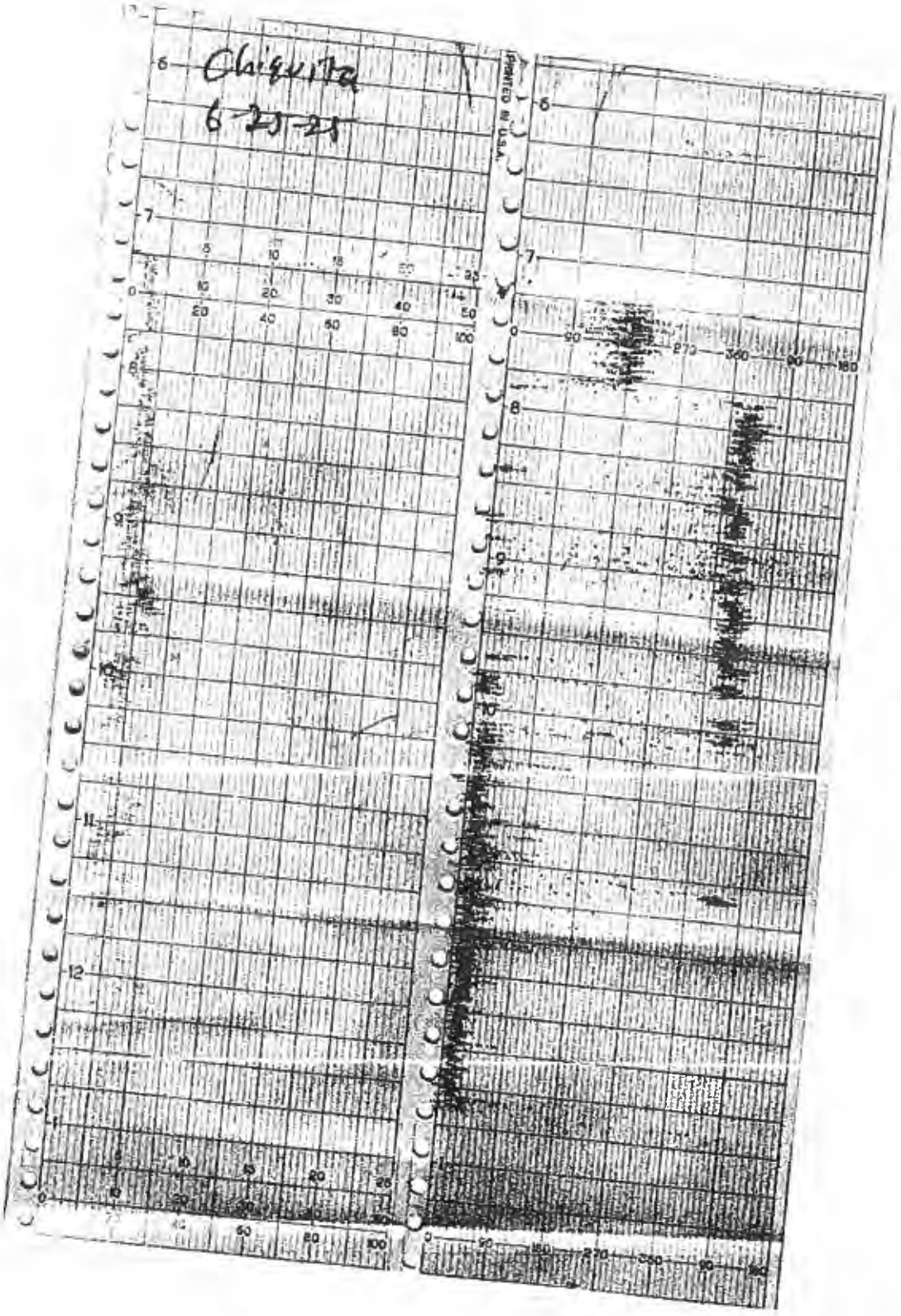
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	501 ppm	1
#2	0.65 ppm	501 ppm	1
#3	0.61 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.1 #DIV/0! Must be less than 10%

Performed By: D. Hammer Date/Time: 6-25-25 0700

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd Qtr / 2025	2nd Qtr / 2025	
Technician:	Stephen Borchers	D Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
156	441	CV2201	20,562	5-28-25	0936	6-25-25	27.8					
156	442	RAMS D02	30,999		0935		471					
156	443	CV24039	60,410		0934		18.9					
177	444	Blackpipe/capped	5,610		0927		430					
176	445	CHIFP031	10,460		0931		385					
174	446	CV2342A	1,017		1037		323					
163	447	Black Pipe	1,350		1041		377					
199	448	CV24193	2,128		0840		167					
214	449	H2163W	2,050		1050		237					
214	450	H2161W	1,048		1052		190					
215	451	H102A	2,650		1056		166					
215	452	Black pipe unmarked	2,972		1058		193					
215	453	H103A	2,335		1055		111					
36	421	CV24110	638		0859		73.8					
37	422	H2169E	697		0900		39.1					
42	423	CV17015	793		0836		184					
73	401	CV24132	6,000		0753		77.8					
59	402	CV24111	3,800		0855		488					
54	403	H2166C	2,800		0857		120					
60	404	CV24112	620		0904		146					
57	405	CV24213	2,400		0828		389					
63	406	CV535	7,000		0834		480					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd Qtr / 2025	2nd Qtr / 2025	
Technician:	Stephen Borchers	D. Hernandez	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 PPM	500 PPM	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
58	481	surface	500	5-28-25	0804	6-23-25	90.7					
65	482	surface	505		0811		231					
64	483	well H29	580		0846		66.2					
44	484	surface	800		0803		64.2					
45	485	surface	806		0802		117					
46	486	P52-800	960		0804		40.2					
47	488	well 24119	582		0805		72.3					
52	489	well TD17	902		0824		62.1					
43	490	CU 24212	508		0806		143					
51	491	surface	935		0823		130					
92	492	CU 009	885		0819		116.9					
87	494	surface	500		0818		80.6					
94	496	surface	560		0816		13.3					
97	497	HOPESPRG02	2500		0813		402					
95	498	well D6	530		0711		64.7					
215	462	surface	3845		0700		110					
227	463	surface	1475		0700		103					
227	464	surface	1952		0700		54.6					
227	465	well N01d	5264		0700		49.1					
228	466	CUCU2510	1820		0703		17.3					
231	468	surface	600		0706		33.7					
231	469	BHGB1	7593		0707		11.0					

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:			2nd Qtr / 2025		2nd Qtr / 2025							
Technician:			Stephen Borchers		D. Hernandez							
Instrument:			TVA 1000		TVA 1000							
Calibration Standard:			500 PPM		500 PPM							
Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
232	470	CH#2303N	5213	5-28-25	0707	6-25-25	125					
232	471	#2306N	506	↓	0709	↓	34.4					

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 44 SERIAL #: 171930 90

MONITORING DATE: 6-25-25 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.5 ppm	2.9 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	500 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

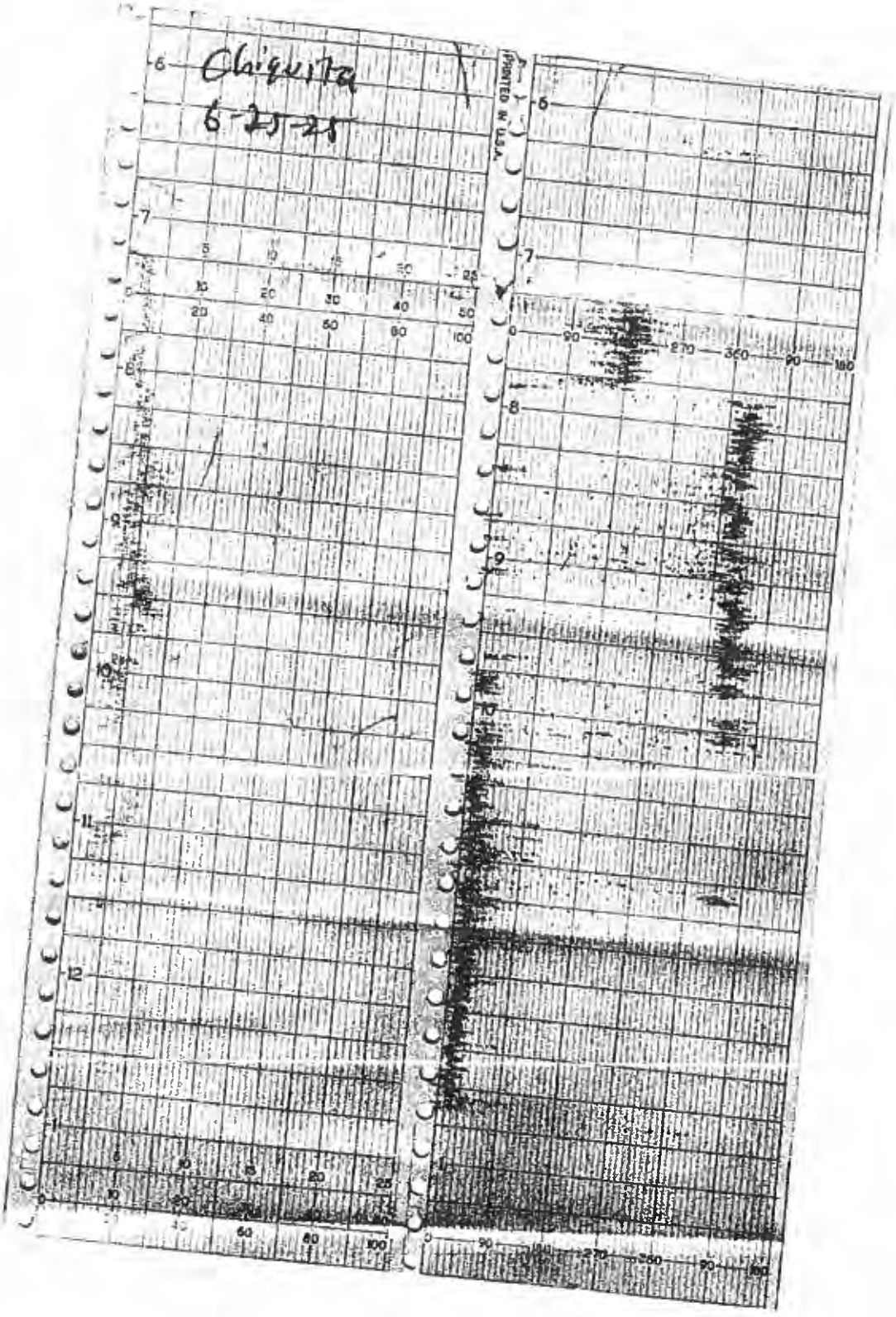
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	501 ppm	1
#2	0.65 ppm	501 ppm	1
#3	0.61 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.1 #DIV/0! Must be less than 10%

Performed By: D. Hemmer Date/Time: 6-25-25 0700

WIND SPEED & DIRECTION CHART ROLL



Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician	Stephen Borchers	Stephen Borchers	
Instrument	TLV1000	TLV1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	No Exed. <500 ppm	Exed. >500 ppm	Remedial Work	Date Monitored	No Exed. <500 ppm	Exed. >500 ppm
P	Y161	well cap	564	6-12-25	0905	6-19-25	181					
P 21	Y162	well C-8	5,800		0907		180					
P	Y163	well SW-115	850		0909		7.84					
P	Y164	well C-29	650		0910		11.70					
P	Y165	well C-11	9,500		0911		40.90					
P	Y166	well C-27	550		0912		131					
P	Y167	well C-15	1,050		0915		59.83					
P	Y168	well C-23	550		0914		19.98					
37	Y1	H2169E	1,450		0903		19.26					
34	Y2	H1905B	1,301		0935		17.29					
34	Y3	CV24163	1,755		0936		12.47					
39	Y4	CV11	693		0829		147					
50	Y5	CV24211	801		0927		51.70					
50	Y6	Steelpost/Valve	5,570		0847		260					
49	Y7	CV24226	1,453		0842		26.07					
31	Y8	H18055	1,331		0938		14.25					
86	Y9	CV24206	868		0830		25.92					
86	Y10	H17645	7,680		0832		443					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	Page 1 of 1 Pages
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA 1000	TVA 1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
35	B1	CV24224	240	6-12-25	0821	6-19-25	21.10		
35	B2	H18065	251	↓	0824	↓	14.32		
50	B3	Unmarked pipe	349	↓	0848	↓	11.35		
215	B120	H2053W	250	↓	0852	✓	21.16		

RIES

Environmental

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 32 SERIAL #: 0925538423

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure.

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.75 ppm	6.38 ppm	6.06 ppm

Background Value = 6.06 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	498 ppm	450 ppm	6
#2	499 ppm	450 ppm	7
#3	501 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.2 ppm	498 ppm	2
#2	0.3 ppm	499 ppm	1
#3	0.1 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By: Stephen Barbers Date/Time: 6-19-25 / 0715

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 43 SERIAL #: 1538506 2

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.95 ppm	6.42 ppm	6.18 ppm

Background Value = 6.18 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	500 ppm	450 ppm	7
#3	503 ppm	450 ppm	8
Calculate Response Time (1+2+3)/3			7 #DIV/0! Must be less than 30 seconds

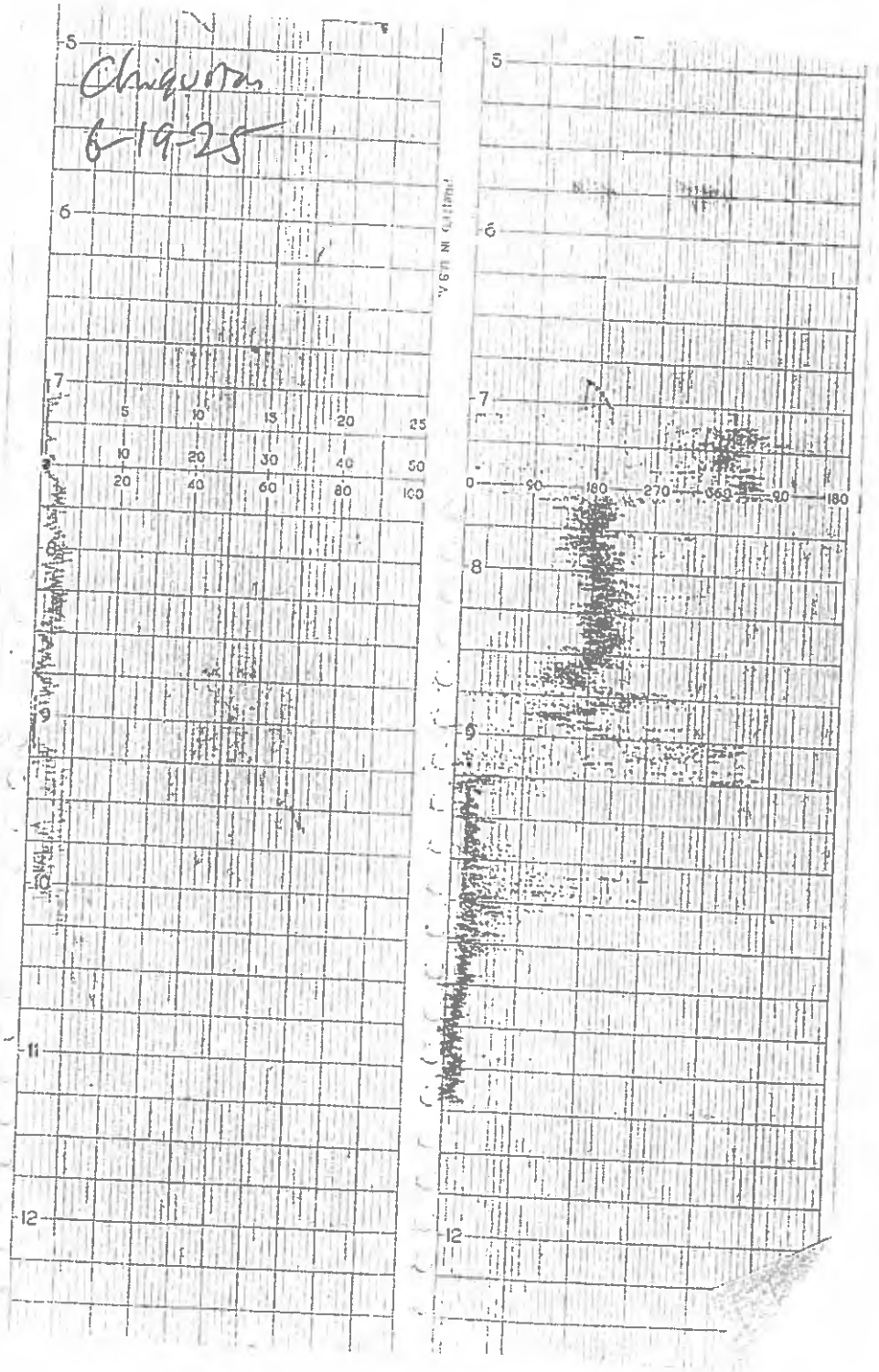
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	0.3 ppm	500 ppm	0
#3	0.5 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By Stephen Barclay Date/Time 6-19-25 / 0715

WIND SPEED & DIRECTION CHART ROLL



6-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43314204	-118.644798	2025-06-12T16:14:36Z	B1	240Ppmgrd35wellcv24224
2	34.43106702	-118.650553	2025-06-12T15:31:31Z	B120	250PPM Well 5038
3	34.432891	-118.644463	2025-06-12T16:23:53Z	B2	251Ppmgrd35wellh1806s
4	34.43264902	-118.643171	2025-06-12T16:51:18Z	B3	349Ppmgrd50unmarkedpipe
5	34.43420998	-118.6442	2025-06-12T15:25:03Z	Y1	1450Ppmgrd37wellh2169e
6	34.43239203	-118.645709	2025-06-12T17:39:22Z	Y10	7680Ppmgrd86wellh17645
7	34.431769	-118.643028	2025-06-12T15:53:10Z	Y161	PPM564 well cap
8	34.43364303	-118.640901	2025-06-12T16:09:54Z	Y162	PPM 5800 Well C-8
9	34.43481599	-118.641214	2025-06-12T16:16:23Z	Y163	PPM 850 well sw-115
10	34.43483502	-118.641209	2025-06-12T16:21:27Z	Y164	PPM 680 well C-29
11	34.435234	-118.641329	2025-06-12T16:25:01Z	Y165	PPM 8500 well C-11
12	34.43613497	-118.640985	2025-06-12T16:32:58Z	Y166	PPM 950 well C-27
13	34.43626103	-118.64107	2025-06-12T16:35:33Z	Y167	PPM 1050 well C-15
14	34.43708899	-118.641636	2025-06-12T16:42:40Z	Y168	PPM 650 well C-25
15	34.43372601	-118.645168	2025-06-12T15:59:55Z	Y2	1301Ppmgrd34wellh1805b
16	34.43348779	-118.6447759	2025-06-13T13:11:44Z	Y3	1755PPM CV24163
17	34.43282696	-118.643518	2025-06-12T18:00:29Z	Y4	693Ppmgrd39wellcv11
18	34.43271196	-118.643853	2025-06-12T16:45:45Z	Y5	801Ppmgrd50wellcv24211
19	34.432329	-118.64364	2025-06-12T16:54:43Z	Y6	5570Ppmgrd50steelpipe/valve
20	34.43211601	-118.644332	2025-06-12T17:10:38Z	Y7	1453Ppmgrd49wellcv24226
21	34.43292302	-118.645136	2025-06-12T17:22:40Z	Y8	1331Ppmgrd31wellh1805s
22	34.43222397	-118.645632	2025-06-12T17:55:38Z	Y9	868Ppmgrd86wellcv24209

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician:	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event

Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored
45	Y50	surface	572	6-10-25
46	Y51	surface	900	
51	Y54	CV-06	800	
73	Y1	CV24132	1,500	
40	Y2	CV2012	500	
59	Y3	CV24111	528	
36	Y4	CV2324	1,200	↓

First Re-Monitoring Event – 10 Days

Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
0939	6-19-25	13.21	
0840		12.84	
0950		458	
0935		47.10	
0820		152	
0758		212	
0801	↓	57.86	

Second Re-Monitoring Event – 10 Days

Remedial Work	Date Monitored	No Excd <500 ppm	Excd >500 ppm

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR / 2025				2nd QTR / 2025				Page 1 of 1 Pages	
Technician:	Stephen Borcher				Stephen Borcher					
Instrument:	TVA1000				TVA1000					
Calibration Standard:	500ppm				500ppm					
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments	
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm		
237	B-61	GAR25	305	6-10-25	0859	6-19-25	7.68			
237	B-62	GAR 15	220	↓	0858	↓	19.4			

RES
Environmental

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 32 SERIAL #: 0929538423

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.75 ppm	6.38 ppm	6.06 ppm

Background Value = 6.06 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	498 ppm	450 ppm	6
#2	499 ppm	450 ppm	7
#3	501 ppm	450 ppm	8
Calculate Response Time (1+2+3)/3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.2 ppm	498 ppm	2
#2	0.3 ppm	499 ppm	1
#3	0.1 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By Stephen Barbers Date/Time 6-19-25 / 0715

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 43 SERIAL #: 15865062

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.95 ppm	6.42 ppm	6.18 ppm

Background Value = 6.18 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	500 ppm	450 ppm	7
#3	503 ppm	450 ppm	8
Calculate Response Time (1+2+3)/3			7 #DIV/0! Must be less than 30 seconds

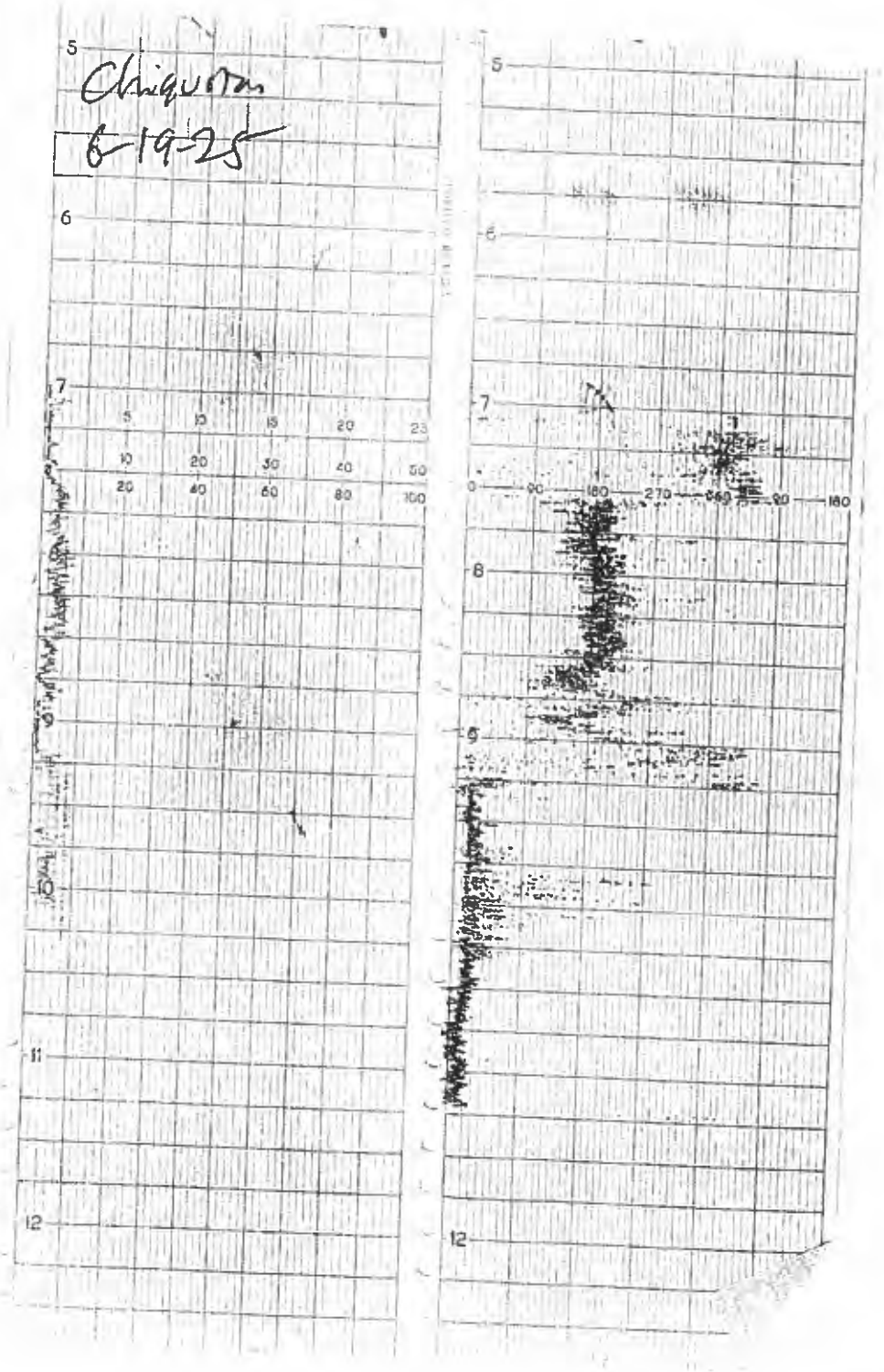
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	0.3 ppm	500 ppm	0
#3	0.5 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26 % #DIV/0! Must be less than 10%

Performed By Stephen Borchers Date/Time: 6-19-25 / 0715

WIND SPEED & DIRECTION CHART ROLL



6-10-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.42811298	-118.648403	2025-06-10T15:58:25Z	B61	Ppm305grid237wellgab25
2	34.42812103	-118.648411	2025-06-10T15:59:37Z	B62	Ppm230grid237wellgab15
3	34.43725001	-118.64403	2025-06-10T15:14:00Z	Y01	1500Ppm grid 73-well cv24132
4	34.43502403	-118.643289	2025-06-10T18:22:18Z	Y02	500Ppm grid40-well cv2012
5	34.43531597	-118.644923	2025-06-10T18:44:45Z	Y03	528Ppm grid 59-well cv24111
6	34.43452204	-118.644218	2025-06-10T18:59:19Z	Y04	1200Ppm grid 36well cv 2324
7	34.43470703	-118.642166	2025-06-10T17:53:03Z	Y50	Y50PPM512SURF45
8	34.434128	-118.642171	2025-06-10T18:04:06Z	Y51	Y51PPM900SURF46
9	34.43257702	-118.642756	2025-06-10T18:56:25Z	Y54	Y54PPM800WEIICV06

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site Chiquita Landfill

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event

Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored
211	Y1	surface	7,000	6-11-25
226	Y2	surface	900	
185	Y21	CV24073	10,000	
185	Y22	steelpipe	20,000	
185	Y23	CV24012	20,000	
178	Y24	CV24024	10,000	
179	Y25	CV24027	20,000	
178	Y26	CV2308	1,400	
178	Y27	CV24026	1,529	
32	Y28	H-2468C	5,107	
32	Y29	CV24110	2,876	
32	Y30	12"+cap%/ppm	80,000	
32	Y31	CV2321	3,970	
32	Y32	H 1802V	30,000	
33	Y33	H 19568	1,678	
33	Y34	CV-1907	615	
33	Y35	CV-24109	2,507	
30	Y36	CV-24161	2,730	
30	Y37	H-18048	570	
30	Y38	Surface	9,683	
84	Y39	unmarked	4,463	
85	Y40	CV24210	3,428	

First Re-Monitoring Event – 10 Days

Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
Time			
9:06	6-19-25	401	
9:09		462	
9:13		371	
9:14		161	
9:16		370	
9:21		470	
9:23		518	
9:27		2[illegible]	
9:31		100	
7:37		491	
7:45		134	
7:52		66.54	
9:48		411	
7:54		76.30	
7:43		139	
7:41		409	
7:48		108	
7:59		490	
7:56		320	
9:02		116	
8:07		6430	
8:21		76.01	

Second Re-Monitoring Event – 10 Days

Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Quarter / Year:	2nd QTR /2025	2nd QTR /2025	Page 1 of 1 Pages
Technician:	Stephen Borchers.	Stephen Borchers.	
Instrument:	TVA 1000	TVA1000	
Calibration Standard:	500 ppm	500 ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
85	B21	H18045	219	6-11-25	8:13	6-19-25	104		
84	B22	H17644	397		9:16		196		
220	B1	CV24236	280		10:07		96		
220	B2	unmarked (well)	226	↓	10:11	↓	142		

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 5 SERIAL #: 4919480

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.10 ppm	7.35 ppm	6.72 ppm

Background Value = 6.72 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	498 ppm	450 ppm	6
#2	501 ppm	450 ppm	8
#3	500 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	498 ppm	2
#2	0.0 ppm	501 ppm	1
#3	0.3 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.296 #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 6-19-25

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT # 7 SERIAL # 0720723627

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.17 ppm	6.75 ppm	5.96 ppm

Background Value = 5.96 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	501 ppm	450 ppm	7
#3	503 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	0.3 ppm	501 ppm	1
#3	0.5 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.33 #DIV/0! Must be less than 10%

Performed By Stephen Barbers Date/Time 6-19-25 / 0715

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 4 SERIAL #: 1035045571

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.15 ppm	7.31 ppm	6.73 ppm

Background Value = 6.73 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	501 ppm	450 ppm	7
#3	500 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

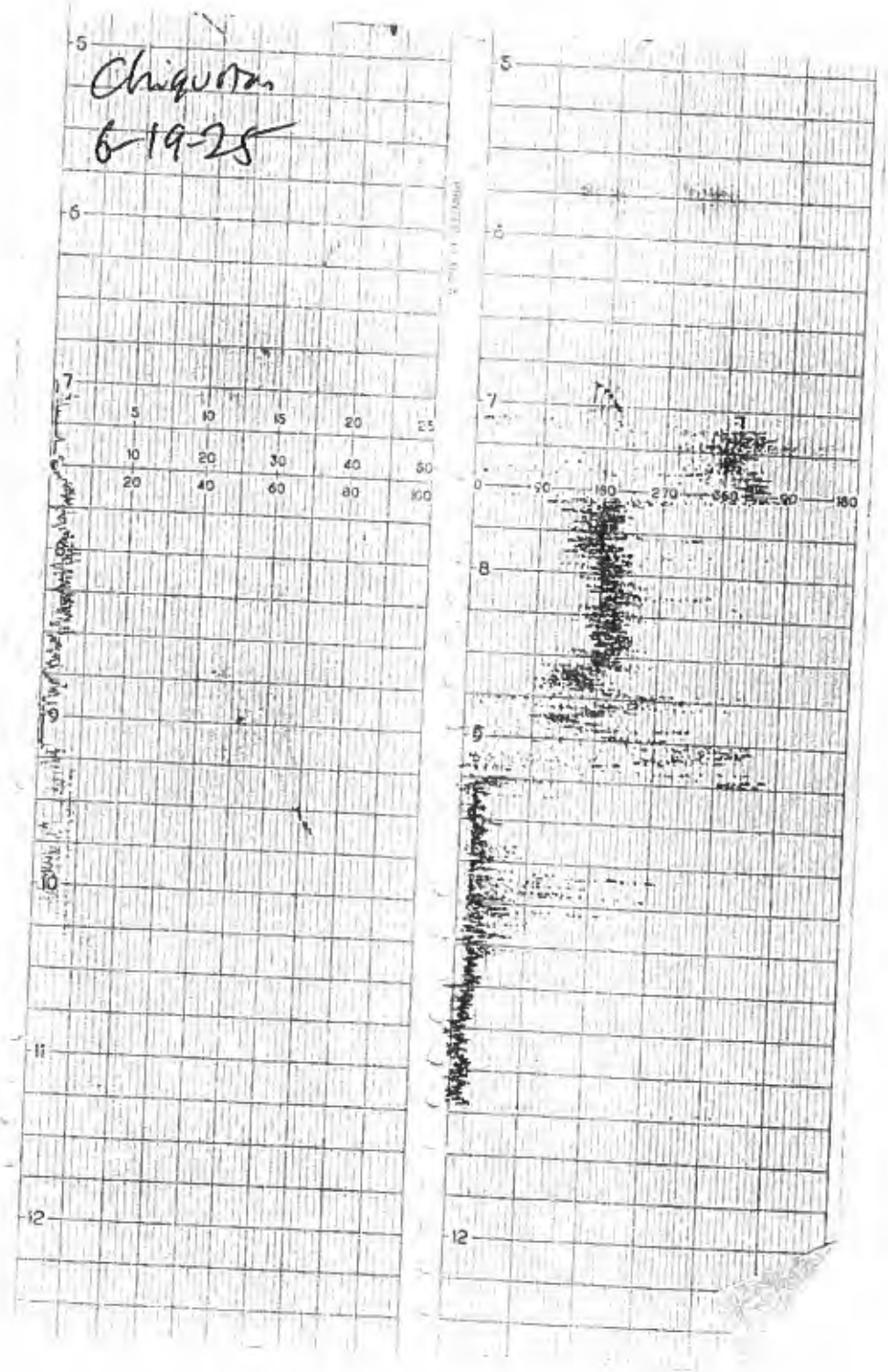
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	497 ppm	3
#2	0.2 ppm	501 ppm	1
#3	0.0 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By: Stephen Boehnes Date/Time: 6-19-25 / 0715

WIND SPEED & DIRECTION CHART ROLL



6-11-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43011399	-118.650474	2025-06-11T19:04:04Z	B01	280Ppm grid 220well cv 24236
2	34.43015297	-118.650449	2025-06-11T19:08:14Z	B02	226-Ppm grid 220-well unmarked
3	34.43307901	-118.645705	2025-06-11T18:55:53Z	B21	219Ppmgrd85wellh1804s
4	34.43317498	-118.645619	2025-06-11T18:58:20Z	B22	392Ppmgrd84wellh1764n
5	34.43209598	-118.650487	2025-06-11T16:40:34Z	Y01	7000-Ppm grid 211-surface
6	34.43001802	-118.650546	2025-06-11T18:54:55Z	Y02	900Ppm grid 226-surface
7	34.43659999	-118.649187	2025-06-11T16:56:26Z	Y21	10000Ppmgrd185wellcv24073
8	34.43622197	-118.649595	2025-06-11T17:15:42Z	Y22	20000Ppmgrd185steelpipenexttowell145
9	34.43616799	-118.649338	2025-06-11T17:18:54Z	Y23	30000Ppmgrd185wellcv24012
10	34.43615399	-118.649009	2025-06-11T17:22:25Z	Y24	10000Ppmgrd178wellcv24021
11	34.43612901	-118.648691	2025-06-11T17:24:55Z	Y25	30000Ppmgrd178wellcv24027
12	34.43590396	-118.648884	2025-06-11T17:28:17Z	Y26	1400Ppmgrd178wellcv2305
13	34.43568	-118.64923	2025-06-11T17:30:49Z	Y27	1529Ppmgrd178wellcv24026
14	34.43442204	-118.644812	2025-06-11T17:43:14Z	Y28	5107Ppmgrd32wellh2168c
15	34.43463896	-118.644665	2025-06-11T17:45:51Z	Y29	2876Ppmgrd32wellcv24110
16	34.43456302	-118.645282	2025-06-11T17:49:41Z	Y30	80000Ppmgrd32-12inchtcapwpipe
17	34.43463704	-118.645349	2025-06-11T17:53:21Z	Y31	3970Ppmgrd32wellcv2321
18	34.43480199	-118.645071	2025-06-11T17:56:47Z	Y32	30000Ppmgrd32wellh1802n
19	34.43427804	-118.644727	2025-06-11T18:01:11Z	Y33	1978Ppmgrd33wellh1956b
20	34.43425901	-118.644901	2025-06-11T18:03:10Z	Y34	615Ppmgrd33wellcv1907
21	34.43398702	-118.644851	2025-06-11T18:08:57Z	Y35	2507Ppmgrd33wellcv24109
22	34.43385702	-118.645604	2025-06-11T18:20:56Z	Y36	2730Ppmgrd30wellcv24161
23	34.43422599	-118.64562	2025-06-11T18:23:54Z	Y37	570Ppmgrd30wellh1804b
24	34.43395399	-118.645452	2025-06-11T18:26:27Z	Y38	9683Ppmgrd30surface
25	34.43350498	-118.64596	2025-06-11T18:42:44Z	Y39	4463Ppmgrd84unmarkedwell
26	34.432675	-118.645557	2025-06-11T19:03:47Z	Y40	3428Ppmgrd85wellcv24210

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 6-17-25 | Weather Conditions Sunny / Clear

Technician Robert Johns | Temp. 640 °F

Inst. GEM Model 5000 | Wind Speed (MPH) & Direction 7 NW

Serial # G5005830 | Barometric Pressure 29.83 in. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal %	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-A - 10	0912	6-17-25	0.0	0.0	21.0	79.0	6	-.02	
51	0914		0.0	0.0	21.0	78.9	19	-1.53	
102	0916		0.0	0.0	21.1	78.9	39	-.06	
151.5	0918		0.0	0.0	21.0	78.9	95	-.29	
GP-1R - 26	1107		0.0	0.1	20.9	79.0	16	+.04	
38	1110		0.0	0.1	20.8	79.1	26	+.03	
47	1112		0.0	0.1	20.1	78.8	18	-.01	
GP-2 - 15.5	0728		0.0	0.5	20.4	79.1	16	-.09	
44.5	0730		0.0	0.0	21.1	78.9	18	-.08	
53	0732		0.0	0.0	21.1	78.9	19	-.04	
GP-5 - 10	1055		0.0	4.9	16.1	79.1	6	-.05	
45	1046		8.9	13.6	5.2	72.3	18	+.04	
93	1104		0.0	0.1	21.8	78.1	64	+.01	
GP-6 - 10	1014		0.0	0.3	20.5	79.3	6	+.02	
30	1016		0.0	0.6	20.0	79.4	20	+.08	
60	1018		0.0	0.0	20.7	79.3	41	-.12	
GP-7 - 10	1003		0.0	0.3	20.2	79.5	6	+.10	
30	1005		0.0	1.4	16.4	80.2	20	-.05	
60	1007		0.0	0.2	20.0	79.8	41	+.10	
GP-8 - 10	0951		0.0	0.4	20.2	79.4	6	+.02	
60	0953		0.0	0.4	16.8	80.8	41	+.21	
120	0955		0.0	0.6	19.3	80.2	75	+.23	
GP-9 - 25	0941		0.0	1.8	16.2	80.0	16	+.05	
55	0943		0.0	1.1	19.1	79.9	20	+.09	
83	0946		0.0	0.0	20.7	79.3	51	-.06	
GP-10 - 22	0926		0.0	1.9	16.4	79.7	17	+.05	
37	0928		0.0	0.7	16.1	81.2	26	+.03	
63	0930		0.0	0.0	20.7	79.3	42	-.06	
87	0932		0.0	0.0	20.7	79.3	59	+.14	
GP-11 - 10	0848		0.0	0.6	19.6	79.9	6	-.20	
70	0850		0.0	5.4	12.9	81.8	49	-.68	
141	0852		0.0	0.1	20.4	79.6	102	-.33	
208	0856	↓	0.0	0.4	19.5	80.1	137	-.45	

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 6-17-25
Technician Robert Johns
Inst. GEM Model 5000
Serial # G80530

Weather Conditions Sunny / Clear
Temp 84° °F
Wind Speed (MPH) & Direction 7 NW
Barometric Pressure 29.83 in. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal.%	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-12 - 12	0833	6-17-25	0.0	0.1	16.7	81.2	4	.0	
38	0835		0.0	0.0	19.4	80.5	26	+.02	
74	0837		0.0	0.1	19.4	80.5	50	-.09	
110	0839		0.0	0.0	19.4	80.2	75	+.04	
224	0843		0.0	0.0	19.4	80.1	171	-.04	
GP-13 - 10	0759		0.0	0.5	19.6	79.9	6	+.07	
29	0804		0.0	3.7	17.9	78.4	19	-.18	
58	0810		21.3	12.4	0.8	65.5	39	-.24	
87	0817		3.9	8.9	3.0	84.2	59	-1.47	
173	0825		9.9	4.1	2.6	83.4	109	-.53	
GP-14 - 10	0739		0.0	0.0	21.0	79.0	6	-.17	
23	0741		0.0	0.1	20.8	79.1	15	-.24	
44	0743		0.0	1.7	16.9	79.4	30	-.08	
67	0745		0.0	3.3	13.6	82.9	46	-.51	
134	074	↓	0.0	8.9	1.9	89.2	92	-2.87	

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

GEM 5000 CALIBRATION

TECHNICIAN: ROBERT JOHNS

CALIBRATION DATE: 6/17/2025

SITE: CHIQUITA CANYON LANDFILL

TIME: 5:00AM

GEM 5000 SERIAL #: G500530

		UNCORRECTED READING	CORRECTED READING
CH_4	15%	15%	15%
CO_2	15%	15%	15%
O_2	4%	4%	4%

865 Via Lata • Colton, California 92324 • (909) 422-1001 Fax (909) 422-0707

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

Date: 6-23-25 | Weather Conditions: Clear

Technician: Robert Johns | Temp.: 70 °F

Inst.: GEM | Model: 5000 | Wind Speed (MPH) & Direction: 2 SW

Serial #: G-500530 | Barometric Pressure: 29.91 in. Hg

Probe Number	Time	Date	CH4% (% vol)	CO2%	O2%	Bal %	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-A - 10							6		
51							19		
102							39		
151.5							95		
GP-1R - 26							16		
38							26		
47							18		
GP-2 - 15.5							16		
44.5							18		
53							19		
GP-5 - 10							6		1st 10day recharge
45	0956	6-23-25	0.0	0.0	20.5	79.4	18	-.09	for 6-17-25
93							64		Probe Monitoring
GP-6 - 10							6		
30							20		
60							41		
GP-7 - 10							6		
30							20		
60							41		
GP-8 - 10							6		
60							41		
120							75		
GP-9 - 25							16		
55							20		
83							51		
GP-10 - 22							17		
37							26		
63							42		
87							59		
GP-11 - 10							6		
70							49		
141							102		
208							137		

CHIQUITA CANYON LANDFILL (1150.1)
PERIMETER GAS MONITORING DATA SHEET

101

Date 6-23-25 Weather Conditions Clear

Technician Robert Johns Temp 70° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 2 SW

Serial # G500530 Barometric Pressure 29.9 In. Hg

Probe Number	Time	Date	CH4% (% Vol.)	CO2%	O2%	Bal %	Evac. Pumps	Pressure (+/- in. w.c.)	Comments
GP-12 - 12							4		
38							26		
74							50		
110							75		
224							171		
GP-13 - 10							6		1st 10 day recharge
29							19		for 6-17-25
58	0926	6-23-25	14.1	16.4	0.2	69.3	39	-.57	Probe Monitoring
87							59		
173	0930	6-23-25	0.0	0.1	20.6	79.3	109	-.77	
GP-14 - 10							6		
23							15		
44							30		
67							46		
134							92		

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

GEM 5000 CALIBRATION

TECHNICIAN: ROBERT JOHNS

CALIBRATION DATE: 6/23/2025

SITE: CHIQUITA CANYON LANDFILL

TIME: 5:00AM

GEM 5000 SERIAL #: G500530

		UNCORRECTED READING	CORRECTED READING
CH_4	15%	15%	15%
CO_2	15%	15%	15%
O_2	4%	4%	4%

865 Via Lata • Colton, California 92324 • (909) 422-1001 Fax (909) 422-0707

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	
Technician	Stephen Borchers	Stephen Borchers	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
L55	Y61	well CV24038	875	6-9-25	9:35	6-19-25	2.00					
L60	Y62	Surface	3042		9:15		3.15					
L65	Y63	well H-1725	675		9:20		9.15					
L96	Y101	well CV24104	1638		9:35		1.45					
L97	Y102	well CV24198	830		9:40		1.52					
L97	Y103	well CV2507	2930		9:45		1.5C					
L81	Y1	Surface	5000		9:50		394					
L99	Y2	well CV24025	6000		9:55		239					
L79	Y3	well FP033	6000		10:00		480					
L79	Y4	well CV24018	6000		10:05		240					
L84	Y5	well CV24016	6000		10:10		760					
L57	Y25	well CV24040	700		10:20		345					
L72	Y26	well CV24045	505		10:25		425					
L73	Y27	well CHIEF 060	570		10:27		310					
L74	Y28	well CV1532H	750		10:29		440					
L70	Y34	well H1752	510		10:31		265					
L58	Y36	well CV2328	905		10:34		347					
L59	Y37	well CV24091	800		10:37		400					
80	Y41	well unmarked	500		10:38		220					
80	Y42	well unmarked	5278		11:01		110					
78	Y43	well CV24122	1032		10:59		190					
78	Y44	Surface	1946		11:03		220					
					11:04							

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site Chiquita Canyon

Quarter / Year	2nd QTR / 2025	2nd QTR / 2025	
Technician	Stephen Borchers	Stephen Borchers	
Instrument	TVA1000	TVA1000	
Calibration Standard	500ppm	500ppm	

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
78												
78	Y45	Surface	500	6-9-25	11:03	6-19-25	211					
78	Y46	Surface	1040		11:06		320					
145	Y47	well unmarked	1032		10:54		400					
145	Y48	Surface	4152		10:52		350					
145	Y49	well CV2424	1234		10:51		370					
150	Y50	well CV2402X	7860		10:49		298					
150	Y51	well unmarked	7564		10:47		230					
151	Y52	Surface	600		10:45		209					
76	Y53	well CV2008	523		11:10		300					
66	Y54	well CV23164	560		11:14		320					
152	Y55	well CV232	500		10:43		210					
53	Y56	well CV2319	623		7:45		154					
82	Y57	Surface	7842		10:27		90.01					
159	Y58	CV1-2168A	500		10:39		150					
82	Y59	Surface	2758		7:40		65.80					

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

Quarter / Year:	2nd QTR / 2025	2nd QTR / 2025	Page | of | Pages
Technician:	Stephen Borches	Stephen Borches	
Instrument:	TVA1000	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work Time	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
83	B61	well CV24160	205	6-9-25	9:50	6-19-25	130		
161	B62	well CV24173	289		9:40		111		
161	B63	well CV24183	357		9:35		112		
163	B64	Surface	245		9:30		165		
165	B65	well CV24679	275		9:25		150		
169	B66	well CV24178	375		9:20		160		
208	B67	well UNMARKED	395		9:15		110		
77	D41	Surface	223		9:10		120		
152	B42	Surface	200		9AM		130		
153	B43	well CV240-74	200		7:50		145		
81	B44	Surface	231		7:55		150		
82	D45	well CV24150	243		7:45		172		

RES

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT # 5 SERIAL # 4919480

MONITORING DATE: 6-19-25 TIME 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.10 ppm	7.35 ppm	6.72 ppm

Background Value = 6.72 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	498 ppm	450 ppm	6
#2	501 ppm	450 ppm	8
#3	500 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	498 ppm	2
#2	0.0 ppm	501 ppm	1
#3	0.3 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.296 #DIV/0! Must be less than 10%

Performed By: Stephen Borchers Date/Time: 6-19-25

RES

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 7 SERIAL #: 0720723627

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
5.17 ppm	6.75 ppm	5.96 ppm

Background Value = 5.96 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	499 ppm	450 ppm	6
#2	501 ppm	450 ppm	7
#3	503 ppm	450 ppm	8
Calculate Response Time (1+2+3) / 3			7 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	499 ppm	1
#2	0.3 ppm	501 ppm	1
#3	0.5 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.33 #DIV/0! Must be less than 10%

Performed By Stephen Barbers Date/Time 6-19-25 / 0715

RES

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL TVA1000 EQUIPMENT #: 4 SERIAL #: 1035045521

MONITORING DATE: 6-19-25 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.15 ppm	7.31 ppm	6.73 ppm

Background Value = 6.73 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	497 ppm	450 ppm	6
#2	501 ppm	450 ppm	7
#3	500 ppm	450 ppm	8
Calculate Response Time (1+2+3)/3			7 #DIV/0! Must be less than 30 seconds

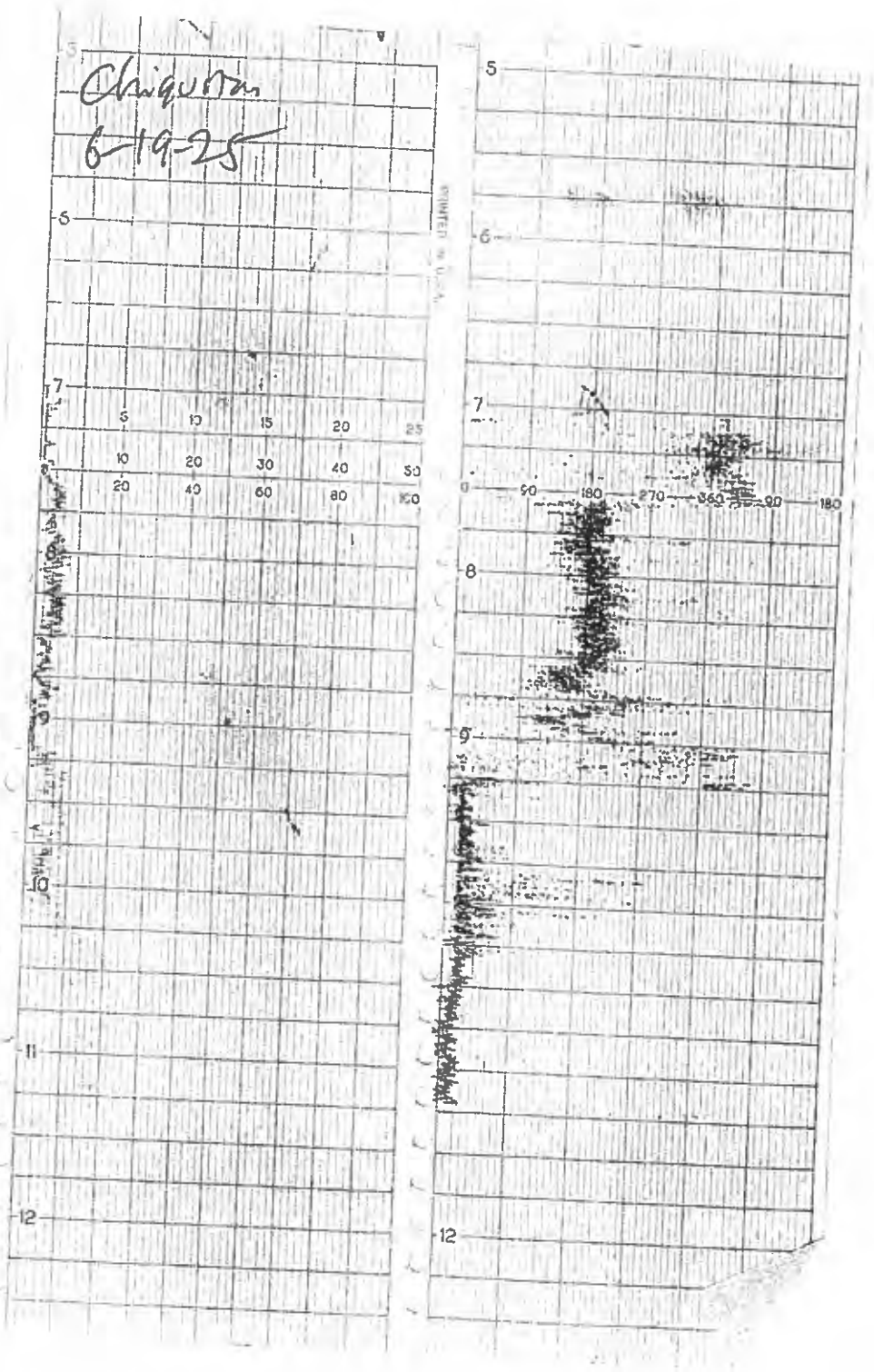
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	497 ppm	3
#2	0.2 ppm	501 ppm	1
#3	0.0 ppm	500 ppm	0
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.26% #DIV/0! Must be less than 10%

Performed By: Stephen Bochres Date/Time: 6-19-25 / 0715

WIND SPEED & DIRECTION CHART ROLL



6-9-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

ID	lat	lon	time	name	cmt
1	34.43701196	-118.647241	2025-06-09T16:22:43Z	B41	223Ppmgrd77surface
2	34.43518697	-118.647313	2025-06-09T18:13:19Z	B42	200Ppmgrd152surface
3	34.43473804	-118.647369	2025-06-09T18:27:42Z	B43	200Ppmgrd153wellcv24074
4	34.43496603	-118.645723	2025-06-09T18:42:34Z	B44	231Ppmgrd81surface
5	34.43458901	-118.645696	2025-06-09T18:45:42Z	B45	243Ppmgrd82wellcv24150
6	34.43377596	-118.646215	2025-06-09T16:10:45Z	B61	Ppm205grd83wellcv24160
7	34.432876	-118.647646	2025-06-09T16:57:58Z	B62	Ppm289grid161wellcv24173
8	34.43239102	-118.647635	2025-06-09T17:03:32Z	B63	Ppm357grid161wellcv24183
9	34.43265103	-118.648418	2025-06-09T17:31:07Z	B64	Ppm248grid163surfacepolle
10	34.43295998	-118.649064	2025-06-09T18:00:59Z	B65	Ppm275grid165wellcv24079
11	34.432358	-118.648571	2025-06-09T18:07:52Z	B66	Ppm375grid164wellcv24178
12	34.43217301	-118.650739	2025-06-09T18:59:09Z	B67	Ppm395grid208notmarkedwell
13	34.435306	-118.650979	2025-06-09T18:49:30Z	Y01	5000Ppm grid 181 surface
14	34.43531304	-118.649932	2025-06-09T19:01:45Z	Y02	6000Ppm grid 179-well cv 24025
15	34.43541697	-118.649921	2025-06-09T19:11:23Z	Y03	6000Ppm grid 179 well fp033
16	34.43562199	-118.65003	2025-06-09T19:18:11Z	Y04	6000Ppm grid 179-well cv24018
17	34.43595098	-118.65024	2025-06-09T19:28:23Z	Y05	6000Pppm grid 184-well cv 24016
18	34.43172399	-118.648062	2025-06-09T17:00:19Z	Y101	CV24104 1638 PPM
19	34.43157102	-118.647576	2025-06-09T17:30:52Z	Y102	CV24198 830 PPM
20	34.43124102	-118.647759	2025-06-09T17:40:41Z	Y103	CV2503 2930 PPM
21	34.43565301	-118.648403	2025-06-09T16:37:29Z	Y25	Y25PPM700WEllCV24040
22	34.43510299	-118.648255	2025-06-09T16:47:52Z	Y26	PPM505WEllCV24046
23	34.43448298	-118.649643	2025-06-09T17:18:44Z	Y27	PPM510CHIFPO30
24	34.43388199	-118.650812	2025-06-09T17:38:42Z	Y28	PPM750WEllCV1532A
25	34.43393497	-118.649567	2025-06-09T19:03:32Z	Y34	Y34PPM510WEllH1752
26	34.43436303	-118.648321	2025-06-09T18:31:23Z	Y36	Y36PPM905WEll2328
27	34.43389004	-118.647933	2025-06-09T18:19:57Z	Y37	Y37PPM800WEll2484
28	34.43770297	-118.644159	2025-06-09T15:19:51Z	Y41	500Ppmgrd80wellnoid
29	34.43766299	-118.644252	2025-06-09T15:23:01Z	Y42	5278Ppmgrd80wellnoid
30	34.43717097	-118.646596	2025-06-09T15:56:33Z	Y43	1032Ppmgrd78wellCv24122
31	34.43717298	-118.646598	2025-06-09T15:59:41Z	Y44	1946Ppmgrd78surface
32	34.43715898	-118.646648	2025-06-09T16:01:30Z	Y45	500Ppmgrd78surface
33	34.43715898	-118.646677	2025-06-09T16:04:04Z	Y46	1040Ppmgrd78surface
34	34.43662003	-118.647858	2025-06-09T16:48:02Z	Y47	1032Ppmgrd145wellnoid
35	34.43681097	-118.647867	2025-06-09T16:54:31Z	Y48	4152Ppmgrd145surface
36	34.43679404	-118.648097	2025-06-09T17:05:26Z	Y49	1234Ppmgrd145wellcv2424
37	34.43633596	-118.648418	2025-06-09T17:13:21Z	Y50	7860Ppmgrd150wellcv24028
38	34.43610001	-118.648051	2025-06-09T17:22:11Z	Y51	7564Ppmgrd150wellnoid
39	34.43585803	-118.648022	2025-06-09T17:27:46Z	Y52	600Ppmgrd151surface
40	34.43623899	-118.646206	2025-06-09T17:50:56Z	Y53	523Ppmgrd76wellcv2008
41	34.436054	-118.646342	2025-06-09T18:01:45Z	Y54	560Ppmgrd66wellcv2316A
42	34.43529996	-118.647497	2025-06-09T18:17:27Z	Y55	500Ppmgrd152wellcv232

43	34.43531103	-118.645748	2025-06-09T18:39:01Z	Y56	623Ppmgrd53wellcv-2319
44	34.43430402	-118.645706	2025-06-09T18:50:12Z	Y57	7842Ppmgrd82surface
45	34.43447996	-118.646535	2025-06-09T19:02:56Z	Y58	500Ppmgrd149wellcv1-2168A
46	34.434271	-118.645672	2025-06-09T18:51:17Z	Y59	2758Ppmgrd82surface
47	34.43358502	-118.647644	2025-06-09T15:36:43Z	Y61	Ppm875grid155wellcv24088
48	34.43338101	-118.647437	2025-06-09T17:42:58Z	Y62	Ppm3042grid160borehole35rangrpanel
49	34.43300298	-118.648525	2025-06-09T17:54:36Z	Y63	Ppm675grid165wellh-17725

APPENDIX G

STORMWATER SAMPLE RESULTS

TABLE G-1

STORMWATER MONITORING RESULTS
CHIQUITA CANYON LANDFILL

Analyte	Units	WDR Benchmark	3/14/25 (South)
BTEX	ug/l		ND
Ammonia as N	mg/l	19	0.62
Arsenic, Total	mg/l	0.16854	0.0059
Cadmium, Total	mg/l	0.0159	0.00011 J
Chemical Oxygen Demand	mg/l	120	130
Chloride, Total	mg/l	860	46
Iron, Total	mg/l	1.0	1.7
Lead, Total	mg/l	0.0816	0.0023 J
Magnesium, Total	mg/l		12
Mercury, Total	mg/l	0.0024	ND
NO2+NO3 as N	mg/l	0.68	0.03 J
Oil & Grease (HEM)	mg/l	15	ND
pH	Units	6.0-9.0	nm
Phosphorus, Total	mg/l	2	nm
Selenium, Total	mg/l	0.2385	0.0017 J
Silver, Total	mg/l	0.0318	ND
Total Suspended Solids	mg/l	100	66
Zinc, Total	mg/l	0.117	0.038

Notes: J = trace concentration ND=not detected nm = not measured.

Results exceeding benchmark values are highlighted

February 19, 2025

Lab No. : SP 2501188
Customer No. : 2028560

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Laboratory Report

Introduction: This report package contains a total of 9 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(6 pages)	: Results for each sample submitted.
Quality Control	(2 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
South Basin-Western Inlet	01/26/2025	01/26/2025	SP 2501188-001	STM
South Basin-Western Inlet	01/26/2025	01/27/2025	SP 2501188-001	STM
South Basin-Eastern Inlet	01/26/2025	01/27/2025	SP 2501188-003	STM
South Basin-Eastern Inlet	01/26/2025	01/26/2025	SP 2501188-003	STM

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 1664A	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 300.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 D	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: RDM

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-19

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February 19, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Western Inlet
Project : Chiquita Canyon Landfill-IGP

Lab No. : SP 2501188-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 26, 2025 at 12:20
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Metals, Total													
Iron	7.96	0.05	0.0059	mg/L	1		02/03/2025	07:00	ejc	EPA 200.7	02/04/2025	18:04	ac
Wet Chemistry													
Chloride	39.3	1	0.085	mg/L	1	b	02/17/2025	08:15	ldm	EPA 300.0	02/17/2025	19:43	ldm
Oil and Grease	ND	3	1.6	mg/L	1	Ul	02/03/2025	15:47	amm	EPA 1664A	02/04/2025	14:18	amm
Solids, Total Suspended (TSS)	1360	40	22	mg/L	40		01/28/2025	09:25	sta	SM 2540 D	01/29/2025	15:04	sta

DQF Flags Definition:
b The Blank was positive for constituent but less than the PQL
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.

ND=Non-Detected, RL=Reporting Level

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CA ELAP Certification No. 2810

February 19, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Western Inlet
Project : Chiquita Canyon Landfill-IGP

Lab No. : SP 2501188-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Metals, Total													
Iron	7.96	0.05	0.0059	mg/L	1		02/03/2025	07:00	ejc	EPA 200.7	02/04/2025	18:04	ac
Wet Chemistry													
Chloride	39.3	1	0.085	mg/L	1	b	02/17/2025	08:15	ldm	EPA 300.0	02/17/2025	19:43	ldm
Oil and Grease	ND	3	1.6	mg/L	1	Ul	02/03/2025	15:47	amm	EPA 1664A	02/04/2025	14:18	amm
Solids, Total Suspended (TSS)	1360	40	22	mg/L	40		01/28/2025	09:25	sta	SM 2540 D	01/29/2025	15:04	sta

DQF Flags Definition:
b The Blank was positive for constituent but less than the PQL
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.

ND=Non-Detected, RL=Reporting Level

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February 19, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

Lab No. : SP 2501188-003
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Iron	724	1.25	0.15	mg/L	30		02/04/2025	09:00	ejc	EPA 200.7	02/10/2025	11:39	ac
Wet Chemistry													
Chloride	67.6	1	0.085	mg/L	1		02/17/2025	13:24	ldm	EPA 300.0	02/17/2025	18:24	ldm
Oil and Grease	ND	3	1.6	mg/L	1	Ul	02/03/2025	15:47	amm	EPA 1664A	02/04/2025	14:18	amm
Solids, Total Suspended (TSS)	42100	330	180	mg/L	300		01/28/2025	09:25	sta	SM 2540 D	01/29/2025	15:04	sta

DQF Flags Definition:
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.

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February 19, 2025

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Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

Lab No. : SP 2501188-003
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Field Test

Constituent	Result	RL	Units	Note	Sample Preparation		Sample Analysis	
Field Test					Method	Date Time	Method	Date Time
pH (Field)	8.29		units			01/26/2025 15:30	4500HB	01/26/2025 15:30

ND=Non-Detected, RL=Reporting Level

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February 19, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

Lab No. : SP 2501188-003
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 26, 2025 at 12:20
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Iron	724	1.25	0.15	mg/L	30		02/04/2025	09:00	ejc	EPA 200.7	02/10/2025	11:39	ac
Wet Chemistry													
Chloride	67.6	1	0.085	mg/L	1		02/17/2025	13:24	ldm	EPA 300.0	02/17/2025	18:24	ldm
Oil and Grease	ND	3	1.6	mg/L	1	Ul	02/03/2025	15:47	amm	EPA 1664A	02/04/2025	14:18	amm
Solids, Total Suspended (TSS)	42100	330	180	mg/L	300		01/28/2025	09:25	sta	SM 2540 D	01/29/2025	15:04	sta

DQF Flags Definition:
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.

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February 19, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

Lab No. : SP 2501188-003
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 26, 2025 at 12:20
Matrix : Stormwater

Sample Results - Field Test

Constituent	Result	RL	Units	Note	Sample Preparation		Sample Analysis	
Field Test					Method	Date Time	Method	Date Time
pH (Field)	8.29		units			01/26/2025 15:30	4500HB	01/26/2025 15:30

ND=Non-Detected, RL=Reporting Level

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February 19, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501188
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Iron	200.7	02/03/2025:201179EJC	Blank	mg/L		ND	<0.05	
			LCS	mg/L	4.000	102%	85-115	
			MS	mg/L	4.000	100%	75-125	
		(VI 2540658-002)	MSD	mg/L	4.000	97.6%	75-125	
			MSRPD	mg/L		2.7%	≤20	
			MS	mg/L	4.000	103%	75-125	
		(VI 2540661-002)	MSD	mg/L	4.000	102%	75-125	
			MSRPD	mg/L		0.4%	≤20	
	200.7	02/04/2025:201252EJC	Blank	mg/L		ND	<0.05	
			LCS	mg/L	4.000	106%	85-115	
			MS	mg/L	4.000	112%	75-125	
		(VI 2540763-003)	MSD	mg/L	4.000	98.5%	75-125	
			MSRPD	mg/L		12.4%	≤20	
			MS	mg/L	4.000	110%	75-125	
		(VI 2540763-002)	MSD	mg/L	4.000	104%	75-125	
			MSRPD	mg/L		5.4%	≤20	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

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February 19, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501188
Customer No. : 2028560

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Oil and Grease	1664A	02/03/2025:201056AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	85.6%	78-114	
			MS	mg/L	42.53	60.1%	78-114	435
		(SP 2501415-001)	MSD	mg/L	42.53	79.5%	78-114	
			MSRPD	mg/L		26.4%	≤18	435
Solids, Suspended	2540D	01/28/2025:200968STA	Blank	mg/L		ND	<1	
			LCS	mg/L	50.00	90.0%	70-115	
			LCS	mg/L	50.00	82.0%	70-115	
		(SP 2501188-003)	Dup	mg/L		18.8%	20	
		(SP 2501188-001)	Dup	mg/L		4.51%	20	
Chloride	300.0	02/17/2025:201779LDM	Blank	mg/L		ND	<1	
	300.0	02/17/2025:201781LDM	Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	99.6%	90-110	
	300.0	02/17/2025:201779LDM	LCS	mg/L	25.00	100%	90-110	
			MS	mg/L	50.00	94.6%	67-117	
	300.0	02/17/2025:201781LDM	MS	mg/L	50.00	98.3%	67-117	
		(STK2531382-001)	MSD	mg/L	50.00	98.0%	67-117	
	300.0	(STK2531285-001)	MSD	mg/L	50.00	95.8%	67-117	
	300.0	02/17/2025:201781LDM	MSRPD	mg/L		0.2%	≤7	
	300.0	02/17/2025:201779LDM	MSRPD	mg/L		0.7%	≤7	
			MS	mg/L	50.00	98.8%	67-117	
	300.0	02/17/2025:201781LDM	MS	mg/L	50.00	87.6%	67-117	
		(VI 2541046-001)	MSD	mg/L	50.00	88.5%	67-117	
	300.0	(VI 2540845-002)	MSD	mg/L	50.00	99.1%	67-117	
			MSRPD	mg/L		0.2%	≤7	
	300.0	02/17/2025:201781LDM	MSRPD	mg/L		0.5%	≤7	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

Explanation

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Page 9 of 9

January 30, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Coliform Bacteria Analysis
Lab No. : SP 2501188 1,2
Customer No. : 2028560

System Number : N/A
Project Name : Chiquita Canyon Landfill-IGP

Analytical Results

ID	Sample Description	Total	Fecal	E. Coli	Units	Method	Prep	Footnote
1	South Basin-Western Inlet	**35000**	**17000**	**---**	MPN/100ml	SM 9221B	LTB-Series AQ	
2	South Basin-Western Inlet-Dup	**>24196**	**---**	**9208**	MPN/100ml	SM 9223B	QTray 2000	

N/R Not Required MPN Most Probable Number A/P Absence/Presence

Result Interpretation

The sample(s) listed above are Waste-Other
ID 2) South Basin-Western Inlet-Dup: Total Coliform by SM 9223B wastewater results cannot be used for compliance.***

*** California ELAP does not offer certification for Total Coliform by SM 9223B wastewater.

Sample Handling Information

ID	Sample Number	System Number	Sample Type/Reason	Sampler	Employed By	Sampled
1	SP 2501188-001	N/A	Waste-Other	Blanca H/Isaac H	Chiquita Canyon Land	2025-01-26 09:30
2	SP 2501188-002	N/A	Waste-Other	Blanca H/Isaac H	Chiquita Canyon Land	2025-01-26 09:30

Field Analysis/QA Information

ID	Sample Description	Cl Total/Free	Temp	Analysis Started	Analysis Completed	Contact	Contacted
		mg/l					
1	South Basin-Western Inlet	---/---	---	2025-01-26 12:58 abl	2025-01-28 12:01 abl	N/R	
2	South Basin-Western Inlet-Dup	---/---	---	2025-01-26 12:51 abl	2025-01-27 14:55 eam	N/R	

Analyses were performed at the FGL Santa Paula Laboratory using Standard Methods 20th edition. If you have any questions regarding your results, please call. The FGL Santa Paula Laboratory is certified by California ELAP #1573 and accredited to ISO/IEC 17025:2017 by PJLA certificate #75605,Testing.

Prepared By: RRH

Reviewed and Approved By **Raquel R. Harvey** Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2025-01-30

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6278:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**
Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:
Contact Person: Matt Breuer
Project Name: **Chiquita Canyon Landfill-IGP**
Purchase Order Number:
Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 25011188 2-28560

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform - LTB Series 25 Tube 250ml(PBa)-Na2S2O3	Metals, Total-Fe 250ml(P)-HNO3	Wet Chemistry-TSS 1000ml(P)	Wet Chemistry-Cl 16oz(P)	Wet Chemistry-Oil&Grease-1664 32oz(AGJ)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	Coliform-QTray 2000 ***Shares Volume with LTB Series 25 Tube***			
1	South Basin-Western Inlet	1/26/25	9:30am	G	STM				1	1	1	1	1	"ERROR"		N/A				
2	South Basin-Western Inlet-Dup	1/26/25	9:30am	G	STM												X			
3	South Basin-Eastern Inlet	1/26/25	3:30pm	G	STM				1	1	1	1	1	8.29	1/26	3:45				
4	South Basin-Eastern Inlet-Dup	1/26/25	3:30pm	G	STM												X			

Remarks:
NOTE: Duplicates Required for Coliform Reporting

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
BLANCA HOFFMEIER	1/27/25	9:45am						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
MC	1/27/25	9:45						

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6278:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**

Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:

Contact Person: Matt Breuer

Project Name: **Chiquita Canyon Landfill-IGP**

Purchase Order Number:

Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 7501144 **2-28560**

Method of Sampling: Composite(C) Grab(G)
Type of Sample **SEE REVERSE SIDE**
Potable(P) Non-Potable(NP) Ag Water(AgW)
Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)
Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
Coliform - LTB Series 25 Tube 250ml(PBa)-Na2S2O3
Metals, Total-Fe 250ml(P)-HNO3
Wet Chemistry-TSS 1000ml(P)
Wet Chemistry-Cl 16oz(P)
Wet Chemistry-Oil&Grease-1664 32oz(AGJ)-H2SO4
Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!
Field - pH Date
Field - pH Time
Coliform-QTray 2000 ***Shares Volume with LTB Series 25 Tube***

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling	Type of Sample	Potable(P)	Non-Potable(NP)	Ag Water(AgW)	Bacti Type: Other(O)	System(SYS)	Source(SR)	Waste(W)	Bacti Reason: Routine(ROUT)	Repeat(RPT)	Replace(RPL)	Other(O)	Special(SPL)	Coliform - LTB Series 25 Tube 250ml(PBa)-Na2S2O3	Metals, Total-Fe 250ml(P)-HNO3	Wet Chemistry-TSS 1000ml(P)	Wet Chemistry-Cl 16oz(P)	Wet Chemistry-Oil&Grease-1664 32oz(AGJ)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	Coliform-QTray 2000 ***Shares Volume with LTB Series 25 Tube***
1	South Basin-Western Inlet	1/26/25	9:30am	G	STM													1	~~1~~	1	1	~~1~~	"ERROR"	1/26	9:45	
2	South Basin-Western Inlet-Dup			G	STM																					X
3	South Basin-Eastern Inlet			G	STM													1	1	1	1	1				
4	South Basin-Eastern Inlet-Dup			G	STM																					X

Remarks:
NOTE: Duplicates Required for Coliform Reporting
Metals/wet chem samples not delivered per Blanca Hoffmeier - ABL
11.6°C

Relinquished	Date:	Time:
BLANCA HOFFMEIER	1/26/2025	12:00 pm

Received By:	Date:	Time:
FGL Cooler	1/26/25	1200

Relinquished	Date:	Time:
FGL Cooler	1/26/25	1220

Received By:	Date:	Time:
Anthony Leal	1/26/25	1220

Relinquished	Date:	Time:

Received By:	Date:	Time:

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Condition Upon Receipt (Attach to COC) SP 2501188

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH268**
4. Were samples received on Ice? **[Yes]** **No** Temps: **ROI** / **11C** / **14C** / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **[No]** **N/A**
7. Verify sample date, time, sampler **[Yes]** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **[Yes]** **No**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **[Yes]** **No**
2. Did bottle labels correspond with the client's ID's? **[Yes]** **No**
3. Were all bottles requiring sample preservation properly preserved? **[Yes]** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **[N/A]**
5. Were all analyses within holding times at time of receipt? **[Yes]** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **[N/A]**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 02/19/2025-15:41:32

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: Blanca Hoffmeier Phone Number: _____
   Initiated By: MDC Date: _____
   Problem: **Missing bacti sample containers for samples 3 & 4**

   Resolution: **Per Blanca, this was not collected.**

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
SP 2501188
MDC-02/19/2025-15:41:32

February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Subject: Subcontract Analysis for FGL Lab No. SP 2501205

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 625.1 Semi VOA EXTENDED LIST a- Terpineol, p-Cresol, Napthalene, Benzoic AcidPyridine and Phenol

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-11

Enclosure

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Order 5A29073

Project Name: FGL Environmental
Project Number: SP 2501205

P.O. #:

Attn: Cindy Aguirre
Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Report Date: 2/10/2025
Received Date: 1/29/2025 11:30 am
Turnaround Time: Normal
Billing Code:

Phones: (805) 392-2012
Fax: (805) 525-4172

Sample Conditions

Temperature	1.80 C		
COC present	✓	COC completed properly	✓
COC matches sample labels	✓	Wet ice	✓
Blue ice		Sample(s) intact	✓
Sample(s) using proper containers	✓	Sample(s) have sufficient sample volume	✓
Sample(s) received within hold time	✓	Sample(s) labels have correct preservation	✓
Sample(s) have acceptable pH	✓	Sample(s) have acceptable Cl	✓

Sample Results

Sample: South Basin - Western Inlet

5A29073-01 (Water)

Sampled: 01/26/25 9:30 by Blanca H / Isaac H

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1				**Instr:** GCMS06			
Batch ID: W5A2115 **Preparation:** EPA 625/L-L SF				**Prepared:** 01/31/25 10:06			**Analyst:** rmr
3 & 4-Methylphenol	ND	13	25	ug/l	1	02/07/25	M-02
alpha-Terpineol	**19**	11	25	ug/l	1	02/07/25	J, M-02
Benzoic acid	ND	120	2500	ug/l	1	02/07/25	M-02
Naphthalene	ND	12	25	ug/l	1	02/07/25	M-02
Phenol	ND	3.5	25	ug/l	1	02/07/25	M-02
Pyridine	ND	45	120	ug/l	1	02/07/25	M-02
Surrogate(s)							
2,4,6-Tribromophenol	*98%*		*25-120*	*Conc: 976*		*02/07/25*	
2-Fluorobiphenyl	*92%*		*22-120*	*Conc: 462*		*02/07/25*	
2-Fluorophenol	*56%*		*17-120*	*Conc: 564*		*02/07/25*	
Nitrobenzene-d5	*95%*		*47-120*	*Conc: 475*		*02/07/25*	
Phenol-d5	*35%*		*12-120*	*Conc: 346*		*02/07/25*	
Terphenyl-d14	*128%*		*44-129*	*Conc: 641*		*02/07/25*	

Sample Results

(Continued)

Sample: South Basin - Western Inlet

(Continued)

5A29073-01 (Water)

Sampled: 01/26/25 9:30 by Blanca H / Isaac H

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W5A2115	**Preparation:** EPA 625/L-L SF		**Prepared:** 01/31/25 10:06			**Analyst:** rmr	

Sample: South Basin - Eastern Inlet

5A29073-02 (Water)

Sampled: 01/26/25 15:30 by Blanca H / Isaac H

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W5A2115	**Preparation:** EPA 625/L-L SF		**Prepared:** 01/31/25 10:06			**Analyst:** rmr	
3 & 4-Methylphenol	ND	25	50	ug/l	2	02/07/25	M-02, M-04
alpha-Terpineol	ND	22	50	ug/l	2	02/07/25	M-02, M-04
Benzoic acid	ND	230	5000	ug/l	2	02/07/25	M-02, M-04
Naphthalene	ND	24	50	ug/l	2	02/07/25	M-02, M-04
Phenol	ND	7.0	50	ug/l	2	02/07/25	M-02, M-04
Pyridine	ND	90	250	ug/l	2	02/07/25	M-02, M-04
Surrogate(s)							
2,4,6-Tribromophenol	*88%*		*25-120*	*Conc: 880*		*02/07/25*	
2-Fluorobiphenyl	*82%*		*22-120*	*Conc: 408*		*02/07/25*	
2-Fluorophenol	*53%*		*17-120*	*Conc: 528*		*02/07/25*	
Nitrobenzene-d5	*87%*		*47-120*	*Conc: 436*		*02/07/25*	
Phenol-d5	*31%*		*12-120*	*Conc: 313*		*02/07/25*	
Terphenyl-d14	*99%*		*44-129*	*Conc: 497*		*02/07/25*	

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W5A2115-BLK1)					Prepared: 01/31/25 Analyzed: 02/06/25						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							
1,3-Dinitrobenzene	ND	0.21	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							
1-Methylnaphthalene	ND	0.47	1.0	ug/l							
2,4,5-Trichlorophenol	ND	0.23	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							
2,4-Dinitrophenol	ND	4.4	10	ug/l							
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	2.4	5.0	ug/l							
2-Methylnaphthalene	ND	0.49	1.0	ug/l							
2-Methylphenol	ND	0.48	1.0	ug/l							
2-Nitroaniline	ND	0.44	1.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3 & 4-Methylphenol	ND	0.50	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							
3-Nitroaniline	ND	0.26	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chloroaniline	ND	0.48	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitroaniline	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	1.2	5.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.35	1.0	ug/l							
Aniline	ND	0.66	1.0	ug/l							
Anthracene	ND	0.41	1.0	ug/l							
Benzidine	ND	3.2	10	ug/l							
Benzo (a) anthracene	ND	0.46	1.0	ug/l							
Benzo (a) pyrene	ND	0.82	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W5A2115-BLK1)					Prepared: 01/31/25 Analyzed: 02/06/25						
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l							
Benzo (k) fluoranthene	ND	0.72	1.0	ug/l							
Benzoic acid	ND	4.6	100	ug/l							
Benzyl alcohol	ND	0.26	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl) ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l							
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							
Carbazole	ND	0.20	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.60	2.0	ug/l							
Dibenzofuran	ND	0.37	1.0	ug/l							
Diethyl phthalate	ND	0.35	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							
Fluoranthene	ND	0.35	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.24	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l							
Hexachloroethane	ND	0.50	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.66	2.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.40	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.14	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Pyridine	ND	1.8	5.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*37.5*			*ug/l*	*40.0*		*94*	*25-120*			

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W5A2115-BLK1)					Prepared: 01/31/25 Analyzed: 02/06/25						
Surrogate(s)											
2-Fluorobiphenyl	*17.5*			*ug/l*	*20.0*		*87*	*22-120*			
2-Fluorophenol	*23.8*			*ug/l*	*40.0*		*59*	*17-120*			
Nitrobenzene-d5	*17.7*			*ug/l*	*20.0*		*88*	*47-120*			
Phenol-d5	*14.8*			*ug/l*	*40.0*		*37*	*12-120*			
Terphenyl-d14	*27.2*			*ug/l*	*20.0*		*136*	*44-129*			*S-11*
LCS (W5A2115-BS1)					Prepared: 01/31/25 Analyzed: 02/06/25						
1,2,4-Trichlorobenzene	17.0	0.49	1.0	ug/l	20.0		85	57-130			
1,2-Dichlorobenzene	15.9	0.46	1.0	ug/l	20.0		79	57-120			
1,3-Dichlorobenzene	15.4	0.42	1.0	ug/l	20.0		77	55-120			
1,4-Dichlorobenzene	15.5	0.48	1.0	ug/l	20.0		78	55-120			
2,4,6-Trichlorophenol	17.7	0.22	1.0	ug/l	20.0		88	52-129			
2,4-Dichlorophenol	18.0	0.26	1.0	ug/l	20.0		90	53-122			
2,4-Dimethylphenol	19.2	0.76	1.0	ug/l	20.0		96	42-120			
2,4-Dinitrophenol	18.9	4.4	10	ug/l	20.0		94	0.1-173			
2,4-Dinitrotoluene	17.3	0.46	1.0	ug/l	20.0		86	48-127			
2,6-Dinitrotoluene	17.1	0.27	1.0	ug/l	20.0		85	68-137			
2-Chloronaphthalene	16.3	0.45	1.0	ug/l	20.0		82	65-120			
2-Chlorophenol	15.1	0.28	1.0	ug/l	20.0		75	36-120			
2-Methyl-4,6-dinitrophenol	19.8	2.4	5.0	ug/l	20.0		99	53-130			
2-Nitrophenol	17.6	0.26	1.0	ug/l	20.0		88	45-167			
3,3'-Dichlorobenzidine	0.378	0.0	5.0	ug/l	20.0		2	8-213			J, Q-02
4-Bromophenyl phenyl ether	18.9	0.36	1.0	ug/l	20.0		94	65-120			
4-Chloro-3-methylphenol	16.9	0.23	1.0	ug/l	20.0		85	41-128			
4-Chlorophenyl phenyl ether	17.6	0.41	1.0	ug/l	20.0		88	38-145			
4-Nitrophenol	8.55	1.2	5.0	ug/l	20.0		43	13-129			
Acenaphthene	15.7	0.38	1.0	ug/l	20.0		78	60-132			
Acenaphthylene	17.0	0.35	1.0	ug/l	20.0		85	54-126			
alpha-Terpineol	16.3	0.44	1.0	ug/l	20.0		82	60-140			
Anthracene	16.5	0.41	1.0	ug/l	20.0		83	43-120			
Benzo (a) anthracene	19.1	0.46	1.0	ug/l	20.0		96	42-133			
Benzo (a) pyrene	18.7	0.82	1.0	ug/l	20.0		93	32-148			
Benzo (b) fluoranthene	19.1	0.46	1.0	ug/l	20.0		96	42-140			AN-IP
Benzo (g,h,i) perylene	20.6	0.42	2.0	ug/l	20.0		103	0.1-195			
Benzo (k) fluoranthene	18.2	0.72	1.0	ug/l	20.0		91	25-146			AN-IP
Bis(2-chloroethoxy)methane	16.8	0.25	1.0	ug/l	20.0		84	49-165			
Bis(2-chloroethyl)ether	14.8	0.27	1.0	ug/l	20.0		74	43-126			

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
LCS (W5A2115-BS1)					Prepared: 01/31/25 Analyzed: 02/06/25						
Bis(2-chloroisopropyl) ether	14.9	0.38	1.0	ug/l	20.0		74	63-139			
Bis(2-ethylhexyl)phthalate	18.9	2.3	5.0	ug/l	20.0		95	29-137			
Butyl benzyl phthalate	20.0	0.49	1.0	ug/l	20.0		100	0.1-140			
Chrysene	15.9	0.19	1.0	ug/l	20.0		80	44-140			
Dibenzo (a,h) anthracene	17.9	0.60	2.0	ug/l	20.0		89	0.1-200			
Diethyl phthalate	18.0	0.35	1.0	ug/l	20.0		90	0.1-120			
Dimethyl phthalate	17.2	0.18	1.0	ug/l	20.0		86	0.1-120			
Di-n-butyl phthalate	16.5	0.34	1.0	ug/l	20.0		83	8-120			
Di-n-octyl phthalate	17.5	0.46	1.0	ug/l	20.0		88	19-132			
Fluoranthene	18.2	0.35	1.0	ug/l	20.0		91	43-121			
Fluorene	17.7	0.35	1.0	ug/l	20.0		89	70-120			
Hexachlorobenzene	18.6	0.24	1.0	ug/l	20.0		93	8-142			
Hexachlorobutadiene	17.1	0.47	1.0	ug/l	20.0		86	38-120			
Hexachlorocyclopentadiene	14.0	1.5	5.0	ug/l	20.0		70	10-120			
Hexachloroethane	16.7	0.50	1.0	ug/l	20.0		84	55-120			
Indeno (1,2,3-cd) pyrene	17.3	0.66	2.0	ug/l	20.0		86	0.1-151			
Isophorone	16.0	0.21	1.0	ug/l	20.0		80	47-180			
Naphthalene	15.7	0.49	1.0	ug/l	20.0		79	36-120			
Nitrobenzene	15.4	0.36	1.0	ug/l	20.0		77	54-158			
N-Nitrosodimethylamine	10.8	0.50	1.0	ug/l	20.0		54	22-120			
N-Nitrosodi-n-propylamine	15.4	0.26	1.0	ug/l	20.0		77	14-198			
N-Nitrosodiphenylamine	14.5	0.19	1.0	ug/l	20.0		73	47-120			
Pentachlorophenol	17.5	0.40	1.0	ug/l	20.0		87	41-120			
Phenanthrene	17.8	0.32	1.0	ug/l	20.0		89	65-120			
Phenol	6.13	0.14	1.0	ug/l	20.0		31	17-120			
Pyrene	17.1	0.25	1.0	ug/l	20.0		86	70-120			
Surrogate(s)											
2,4,6-Tribromophenol	*41.4*			*ug/l*	*40.0*		*103*	*25-120*			
2-Fluorobiphenyl	*16.5*			*ug/l*	*20.0*		*83*	*22-120*			
2-Fluorophenol	*22.7*			*ug/l*	*40.0*		*57*	*17-120*			
Nitrobenzene-d5	*17.1*			*ug/l*	*20.0*		*86*	*47-120*			
Phenol-d5	*13.7*			*ug/l*	*40.0*		*34*	*12-120*			
Terphenyl-d14	*24.5*			*ug/l*	*20.0*		*122*	*44-129*			
Matrix Spike (W5A2115-MS1)				Source: 5A08002-03	Prepared: 01/31/25 Analyzed: 02/06/25						
1,2,4-Trichlorobenzene	15.4	0.49	1.0	ug/l	18.9	*ND*	81	44-142			
1,2-Dichlorobenzene	17.2	0.46	1.0	ug/l	18.9	*ND*	91	51-120			
1,3-Dichlorobenzene	13.8	0.42	1.0	ug/l	18.9	*ND*	73	37-120			

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Matrix Spike (W5A2115-MS1)	Source: 5A08002-03				Prepared: 01/31/25	Analyzed: 02/06/25					
1,4-Dichlorobenzene	13.9	0.48	1.0	ug/l	18.9	ND	74	39-120			
2,4,6-Trichlorophenol	13.8	0.22	1.0	ug/l	18.9	ND	73	37-144			
2,4-Dichlorophenol	15.2	0.26	1.0	ug/l	18.9	ND	80	39-135			
2,4-Dimethylphenol	7.60	0.76	1.0	ug/l	18.9	ND	40	32-120			
2,4-Dinitrophenol	16.6	4.4	10	ug/l	18.9	ND	88	0.1-191			
2,4-Dinitrotoluene	15.2	0.46	1.0	ug/l	18.9	ND	80	39-139			
2,6-Dinitrotoluene	15.9	0.27	1.0	ug/l	18.9	ND	84	50-158			
2-Chloronaphthalene	14.0	0.45	1.0	ug/l	18.9	ND	74	60-120			
2-Chlorophenol	12.6	0.28	1.0	ug/l	18.9	ND	67	23-134			
2-Methyl-4,6-dinitrophenol	16.0	2.4	5.0	ug/l	18.9	ND	84	0.1-181			
2-Nitrophenol	15.0	0.26	1.0	ug/l	18.9	ND	79	29-182			
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	18.9	ND		0.1-262			Q-02
4-Bromophenyl phenyl ether	14.4	0.36	1.0	ug/l	18.9	ND	76	53-127			
4-Chloro-3-methylphenol	14.7	0.23	1.0	ug/l	18.9	ND	78	22-147			
4-Chlorophenyl phenyl ether	14.7	0.41	1.0	ug/l	18.9	ND	78	25-158			
4-Nitrophenol	6.61	1.2	5.0	ug/l	18.9	ND	35	0.1-132			
Acenaphthene	13.7	0.38	1.0	ug/l	18.9	ND	72	47-145			
Acenaphthylene	14.1	0.35	1.0	ug/l	18.9	ND	75	33-145			
Anthracene	12.8	0.41	1.0	ug/l	18.9	ND	68	27-133			
Benzo (a) anthracene	12.1	0.46	1.0	ug/l	18.9	ND	64	33-143			
Benzo (a) pyrene	11.6	0.82	1.0	ug/l	18.9	ND	61	17-163			
Benzo (b) fluoranthene	12.8	0.46	1.0	ug/l	18.9	ND	68	24-159			AN-IP
Benzo (g,h,i) perylene	13.4	0.42	2.0	ug/l	18.9	ND	71	0.1-219			
Benzo (k) fluoranthene	11.4	0.72	1.0	ug/l	18.9	ND	60	11-162			AN-IP
Bis(2-chloroethoxy)methane	15.3	0.25	1.0	ug/l	18.9	ND	81	33-184			
Bis(2-chloroethyl)ether	13.3	0.27	1.0	ug/l	18.9	ND	71	12-158			
Bis(2-chloroisopropyl) ether	13.9	0.38	1.0	ug/l	18.9	ND	73	36-166			
Bis(2-ethylhexyl)phthalate	12.5	2.3	5.0	ug/l	18.9	ND	66	8-158			
Butyl benzyl phthalate	14.7	0.49	1.0	ug/l	18.9	ND	78	0.1-152			
Chrysene	11.2	0.19	1.0	ug/l	18.9	ND	59	17-168			
Dibenzo (a,h) anthracene	11.6	0.60	2.0	ug/l	18.9	ND	61	0.1-227			
Diethyl phthalate	15.4	0.35	1.0	ug/l	18.9	ND	82	0.1-120			
Dimethyl phthalate	14.4	0.18	1.0	ug/l	18.9	ND	76	0.1-120			
Di-n-butyl phthalate	13.1	0.34	1.0	ug/l	18.9	ND	69	1-120			
Di-n-octyl phthalate	12.4	0.46	1.0	ug/l	18.9	ND	65	4-146			
Fluoranthene	12.3	0.35	1.0	ug/l	18.9	ND	65	26-137			
Fluorene	15.3	0.35	1.0	ug/l	18.9	ND	81	59-121			
Hexachlorobenzene	11.9	0.24	1.0	ug/l	18.9	ND	63	0.1-152			

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Matrix Spike (W5A2115-MS1)	Source: 5A08002-03			Prepared: 01/31/25		Analyzed: 02/06/25					
Hexachlorobutadiene	14.6	0.47	1.0	ug/l	18.9	ND	77	24-120			
Hexachlorocyclopentadiene	11.2	1.5	5.0	ug/l	18.9	ND	60	10-120			
Hexachloroethane	15.2	0.50	1.0	ug/l	18.9	ND	80	40-120			
Indeno (1,2,3-cd) pyrene	11.4	0.66	2.0	ug/l	18.9	ND	60	0.1-171			
Isophorone	13.9	0.21	1.0	ug/l	18.9	ND	74	21-196			
Naphthalene	13.8	0.49	1.0	ug/l	18.9	ND	73	21-133			
Nitrobenzene	14.5	0.36	1.0	ug/l	18.9	ND	77	35-180			
N-Nitrosodimethylamine	9.26	0.50	1.0	ug/l	18.9	ND	49	18-120			
N-Nitrosodi-n-propylamine	14.6	0.26	1.0	ug/l	18.9	ND	77	0.1-230			
N-Nitrosodiphenylamine	11.6	0.19	1.0	ug/l	18.9	ND	61	49-120			
Pentachlorophenol	15.3	0.40	1.0	ug/l	18.9	ND	81	0.1-133			
Phenanthrene	14.3	0.32	1.0	ug/l	18.9	ND	75	54-120			
Phenol	5.16	0.14	1.0	ug/l	18.9	ND	27	5-120			
Pyrene	11.9	0.25	1.0	ug/l	18.9	ND	63	52-120			
Surrogate(s)											
2,4,6-Tribromophenol	*34.3*			*ug/l*	*37.8*		*91*	*25-120*			
2-Fluorobiphenyl	*14.1*			*ug/l*	*18.9*		*75*	*22-120*			
2-Fluorophenol	*17.1*			*ug/l*	*37.8*		*45*	*17-120*			
Nitrobenzene-d5	*16.4*			*ug/l*	*18.9*		*87*	*47-120*			
Phenol-d5	*10.7*			*ug/l*	*37.8*		*28*	*12-120*			
Terphenyl-d14	*10.4*			*ug/l*	*18.9*		*55*	*44-129*			
Matrix Spike Dup (W5A2115-MSD1)	Source: 5A08002-03			Prepared: 01/31/25		Analyzed: 02/06/25					
1,2,4-Trichlorobenzene	15.9	0.49	1.0	ug/l	19.0	ND	84	44-142	4	30	
1,2-Dichlorobenzene	19.6	0.46	1.0	ug/l	19.0	ND	103	51-120	13	30	
1,3-Dichlorobenzene	14.4	0.42	1.0	ug/l	19.0	ND	76	37-120	5	30	
1,4-Dichlorobenzene	14.8	0.48	1.0	ug/l	19.0	ND	78	39-120	6	30	
2,4,6-Trichlorophenol	16.3	0.22	1.0	ug/l	19.0	ND	85	37-144	16	30	
2,4-Dichlorophenol	16.4	0.26	1.0	ug/l	19.0	ND	86	39-135	7	30	
2,4-Dimethylphenol	3.13	0.76	1.0	ug/l	19.0	ND	16	32-120	83	30	MS-01, R-02
2,4-Dinitrophenol	18.1	4.4	10	ug/l	19.0	ND	95	0.1-191	8	30	
2,4-Dinitrotoluene	16.4	0.46	1.0	ug/l	19.0	ND	86	39-139	7	30	
2,6-Dinitrotoluene	18.4	0.27	1.0	ug/l	19.0	ND	97	50-158	15	30	
2-Chloronaphthalene	15.5	0.45	1.0	ug/l	19.0	ND	81	60-120	10	30	
2-Chlorophenol	13.6	0.28	1.0	ug/l	19.0	ND	71	23-134	8	30	
2-Methyl-4,6-dinitrophenol	17.9	2.4	5.0	ug/l	19.0	ND	94	0.1-181	11	30	
2-Nitrophenol	16.4	0.26	1.0	ug/l	19.0	ND	86	29-182	9	30	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	19.0	ND		0.1-262		30	Q-02

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Matrix Spike Dup (W5A2115-MSD1)	Source: 5A08002-03				Prepared: 01/31/25	Analyzed: 02/06/25					
4-Bromophenyl phenyl ether	17.6	0.36	1.0	ug/l	19.0	ND	93	53-127	20	30	
4-Chloro-3-methylphenol	16.3	0.23	1.0	ug/l	19.0	ND	86	22-147	10	30	
4-Chlorophenyl phenyl ether	17.1	0.41	1.0	ug/l	19.0	ND	90	25-158	15	30	
4-Nitrophenol	7.35	1.2	5.0	ug/l	19.0	ND	39	0.1-132	11	30	
Acenaphthene	15.4	0.38	1.0	ug/l	19.0	ND	81	47-145	12	30	
Acenaphthylene	15.7	0.35	1.0	ug/l	19.0	ND	83	33-145	11	30	
Anthracene	14.6	0.41	1.0	ug/l	19.0	ND	76	27-133	13	30	
Benzo (a) anthracene	16.9	0.46	1.0	ug/l	19.0	ND	89	33-143	33	30	R-02
Benzo (a) pyrene	15.8	0.82	1.0	ug/l	19.0	ND	83	17-163	31	30	R-02
Benzo (b) fluoranthene	16.4	0.46	1.0	ug/l	19.0	ND	86	24-159	25	30	AN-IP
Benzo (g,h,i) perylene	18.2	0.42	2.0	ug/l	19.0	ND	95	0.1-219	30	30	
Benzo (k) fluoranthene	16.9	0.72	1.0	ug/l	19.0	ND	89	11-162	39	30	R-02, AN-IP
Bis(2-chloroethoxy)methane	16.5	0.25	1.0	ug/l	19.0	ND	87	33-184	7	30	
Bis(2-chloroethyl)ether	14.2	0.27	1.0	ug/l	19.0	ND	75	12-158	6	30	
Bis(2-chloroisopropyl) ether	15.3	0.38	1.0	ug/l	19.0	ND	80	36-166	10	30	
Bis(2-ethylhexyl)phthalate	17.5	2.3	5.0	ug/l	19.0	ND	92	8-158	34	30	R-02
Butyl benzyl phthalate	18.8	0.49	1.0	ug/l	19.0	ND	99	0.1-152	24	30	
Chrysene	14.7	0.19	1.0	ug/l	19.0	ND	77	17-168	27	30	
Dibenzo (a,h) anthracene	15.9	0.60	2.0	ug/l	19.0	ND	84	0.1-227	32	30	R-02
Diethyl phthalate	17.5	0.35	1.0	ug/l	19.0	ND	92	0.1-120	13	30	
Dimethyl phthalate	17.4	0.18	1.0	ug/l	19.0	ND	91	0.1-120	18	30	
Di-n-butyl phthalate	16.5	0.34	1.0	ug/l	19.0	ND	87	1-120	23	30	
Di-n-octyl phthalate	17.0	0.46	1.0	ug/l	19.0	ND	89	4-146	32	30	R-02
Fluoranthene	16.7	0.35	1.0	ug/l	19.0	ND	87	26-137	30	30	
Fluorene	16.9	0.35	1.0	ug/l	19.0	ND	89	59-121	10	30	
Hexachlorobenzene	16.4	0.24	1.0	ug/l	19.0	ND	86	0.1-152	31	30	R-02
Hexachlorobutadiene	16.3	0.47	1.0	ug/l	19.0	ND	86	24-120	11	30	
Hexachlorocyclopentadiene	12.2	1.5	5.0	ug/l	19.0	ND	64	10-120	8	30	
Hexachloroethane	15.7	0.50	1.0	ug/l	19.0	ND	83	40-120	3	30	
Indeno (1,2,3-cd) pyrene	16.1	0.66	2.0	ug/l	19.0	ND	85	0.1-171	34	30	R-02
Isophorone	15.2	0.21	1.0	ug/l	19.0	ND	80	21-196	9	30	
Naphthalene	15.6	0.49	1.0	ug/l	19.0	ND	82	21-133	12	30	
Nitrobenzene	15.1	0.36	1.0	ug/l	19.0	ND	79	35-180	4	30	
N-Nitrosodimethylamine	9.90	0.50	1.0	ug/l	19.0	ND	52	18-120	7	30	
N-Nitrosodi-n-propylamine	15.0	0.26	1.0	ug/l	19.0	ND	79	0.1-230	3	30	
N-Nitrosodiphenylamine	12.4	0.19	1.0	ug/l	19.0	ND	65	49-120	7	30	
Pentachlorophenol	17.0	0.40	1.0	ug/l	19.0	ND	89	0.1-133	10	30	
Phenanthrene	16.5	0.32	1.0	ug/l	19.0	ND	87	54-120	15	30	

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Matrix Spike Dup (W5A2115-MSD1)	Source: 5A08002-03			Prepared: 01/31/25	Analyzed: 02/06/25						
Phenol	5.79	0.14	1.0	ug/l	19.0	*ND*	30	5-120	12	30	
Pyrene	15.5	0.25	1.0	ug/l	19.0	*ND*	81	52-120	26	30	
Surrogate(s)											
2,4,6-Tribromophenol	*38.1*			*ug/l*	*38.1*		*100*	*25-120*			
2-Fluorobiphenyl	*15.7*			*ug/l*	*19.0*		*82*	*22-120*			
2-Fluorophenol	*18.6*			*ug/l*	*38.1*		*49*	*17-120*			
Nitrobenzene-d5	*16.2*			*ug/l*	*19.0*		*85*	*47-120*			
Phenol-d5	*12.0*			*ug/l*	*38.1*		*31*	*12-120*			
Terphenyl-d14	*15.4*			*ug/l*	*19.0*		*81*	*44-129*			

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
J	Estimated conc. detected <MRL and >MDL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
Q-02	Low recovery of this analyte in the QC sample. The analysis of the low level standard produced acceptable recovery indicating that the sample result might be accurately reported as Not Detected.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
S-11	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Analyses Accreditation

Analyte	CAS #	Not By ELAP-CA	Not By NELAP-OR	Not By ANAB ISO 17025
EPA 625.1 in Water				
N-Nitrosodimethylamine	62-75-9	●		●
Pyridine	110-86-1	●		●
1,3-Dichlorobenzene	541-73-1	●		●
1,4-Dichlorobenzene	106-46-7	●		●
1,2-Dichlorobenzene	95-50-1	●		●
Bis(2-chloroisopropyl) ether	108-60-1		●	
4-Chloroaniline	106-47-8	●		●

Analyses Accreditation

(Continued)

Analyte	CAS #	Not By ELAP-CA	Not By NELAP-OR	Not By ANAB ISO 17025
EPA 625.1 in Water (Continued)				
Benzoic acid	65-85-0	●		●
2-Methylnaphthalene	91-57-6	●		●
2,4,5-Trichlorophenol	95-95-4	●		●
2-Nitroaniline	88-74-4	●		●
3-Nitroaniline	99-09-2	●		●
N-Nitrosodiphenylamine	86-30-6	●		●
1,2-Diphenylhydrazine/Azobenzene	122-66-7	●		●
Dibenzofuran	132-64-9	●		●
4-Nitroaniline	100-01-6	●		●
Azobenzene/1,2-Diphenylhydrazine	103-33-3	●		●
Aniline	62-53-3	●		●
Benzyl alcohol	100-51-6	●		●
2,4,6-Tribromophenol	118-79-6		●	

This laboratory report may contain results for target analytes that are not currently certifiable by the California Environmental Laboratory Accreditation Program (ELAP). ELAP is the state agency that accredits environmental testing laboratories in California<https://www.waterboards.ca.gov/drinking_water/certlic/labs/index.html>. ELAP certification is required for laboratories that perform testing for regulatory purposes, such as drinking water, wastewater, hazardous waste, and ambient water<https://www.waterboards.ca.gov/drinking_water/certlic/labs/apply.html>. However, ELAP does not certify all analytes or methods that a laboratory may offer. Therefore, some of the target analytes in this report may not have been tested under ELAP-approved methods or quality control procedures. The results for these analytes are provided for informational purposes only and should not be usea for regulatory compliance or decision making. Please contact the laboratory if you have any questions or concerns about the report.

Reviewed by:

Ryan J. Gasio
Project Manager

DoD-ELAP ANAB #ADE-2882 ● DoD-ISO ANAB # ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● ISO17025 ANAB #L2457.01 ● LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. The report may include analytes that are not currently accreditable by some state agencies or accrediting bodies. This analytical report must be reproduced in its entirety.

WECK LABORATORIES, INC.

Sample Receipt

Printed: 1/30/2025 3:16:20PM

Work Order: 5A29073

Client:	FGL Environmental	**Project Manager:**	Ryan J. Gasio
Project:	FGL Environmental	**Project Number:**	SP 2501205

Report To:
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

Invoice To:
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

Date Due:	02/12/25 09:00 (10 day TAT)		
Received By:	Jerald R. Ancheta	**Date Received:**	01/29/25 11:30
Logged In By:	Lester K. Abad	**Date Logged In:**	01/29/25 12:45

Sample Conditions

Temperature	1.80 C		
Sample(s) have acceptable CI	✓	Sample(s) have acceptable pH	✓
Sample(s) labels have correct preservation	✓	Sample(s) received within hold time	✓
Sample(s) have sufficient sample volume	✓	Sample(s) using proper containers	✓
Sample(s) intact	✓	Blue ice	
Wet ice	✓	COC matches sample labels	✓
COC completed properly	✓	COC present	✓

Samples

Analysis	Expires	Analysis Comments
5A29073-01 Sample Name: South Basin - Western Inlet [Water] Sampled 1/26/2025 09:30		
625.1 EPA_w BNA Ext	02/02/25 09:30	J
5A29073-02 Sample Name: South Basin - Eastern Inlet [Water] Sampled 1/26/2025 15:30		
625.1 EPA_w BNA Ext	02/02/25 15:30	J

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Weck Laboratories, Inc.

SA29073

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501205**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 625.1 SemiVOA EXTENDED LIST a- Terpineol, p-Cresol, Napthalene, Benzoic Acid Pyridine and Phenol ***Requires MDL Reporting**** 1000ml(AGT)
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				1
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				1

LA 1/29 11:30 10° 70323

Check by Initials | Date/Time/ | Temp C TID/ | Samples BLUE / WET

pH Lot (WP2A) 03253109 | Value | Ice Type (WS1)

Acid Lot (WP2B) | Amount | Cl Lot (WP3A)

Qualifiers | Description

Remarks
Sample 1: MDL Reporting 1.5
Sample 2: MDL Reporting T-0323

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Cmm	1/28/25	17:00	UPS	1/29/25	11:30			
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
UPS	↓	↓		1/29/25	11:30			

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Santa Paula, CA 93060
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CA ELAP Certification No. 1573

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Stockton, CA 95215
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Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

LA 1/29

February 11, 2025

Lab No. : SP 2501205
Customer No. : 2028560

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Laboratory Report

Introduction: This report package contains a total of 6 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(3 pages)	: Results for each sample submitted.
Quality Control	(2 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
South Basin - Western Inlet	01/26/2025	01/27/2025	SP 2501205-001	STM
South Basin - Eastern Inlet	01/26/2025	01/27/2025	SP 2501205-002	STM

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times except those as listed in the table below. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Samples Over Hold Time

Lab No	Analyte Method	Maximum Hold Time	Actual Hold Time
SP 2501205-001	BOD	48 hours	52.1 hours

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 200.8	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NH3 G	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 5210 B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: SMH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-11

Corporate Offices & Laboratory
853 Corporation Street
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CA ELAP Certification No. 1573

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CA ELAP Certification No. 2810

February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Subchapter N

Lab No. : SP 2501205-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Arsenic	0.00760	0.002	0.00042	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:37	ac
Chromium	0.0208	0.0005	0.00045	mg/L	1	h	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:37	ac
Zinc	0.125	0.01	0.00042	mg/L	1	lh	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:37	ac
Wet Chemistry													
Ammonia Nitrogen	0.648	0.2	0.066	mg/L	1		02/07/2025	12:50	lcr	SM 4500-NH3 G	02/07/2025	15:03	lcr
BOD	29.1	32.5	16	mg/L	20	JT	01/28/2025	13:35	jcg	SM 5210 B	02/02/2025	14:41	amm

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
T Exceeded method/regulatory-specific holding time.

ND=Non-Detected, RL=Reporting Level

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February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Subchapter N

Lab No. : SP 2501205-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Arsenic	0.0550	0.004	0.00084	mg/L	2		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:03	ac
Chromium	0.0810	0.001	0.00090	mg/L	2	h	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:03	ac
Zinc	2.04	0.1	0.0042	mg/L	10	l	01/29/2025	08:00	ejc	EPA 200.8	01/31/2025	12:44	ac
Wet Chemistry													
Ammonia Nitrogen	0.441	0.2	0.066	mg/L	1		02/07/2025	12:50	lcr	SM 4500-NH3 G	02/07/2025	15:05	lcr
BOD	ND	260	130	mg/L	100	U	01/28/2025	13:21	jcg	SM 5210 B	02/02/2025	14:41	amm

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
U Constituent results were non-detect.

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February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Subchapter N

Lab No. : SP 2501205-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Field Test

Constituent	Result	RL	Units	Note	Sample Preparation		Sample Analysis	
Field Test					Method	Date Time	Method	Date Time
pH (Field)	8.29		units			01/26/2025 15:30	4500HB	01/26/2025 15:30

ND=Non-Detected, RL=Reporting Level

Page 4 of 6

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February 11, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501205
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Arsenic	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<2	
			LCS	ug/L	50.00	99.4%	85-115	
			MS	ug/L	50.00	102%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	105%	75-125	
			MSRPD	ug/L		2.5%	≤20	
			MS	ug/L	50.00	100%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	108%	75-125	
			MSRPD	ug/L		6.7%	≤20	
Chromium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	98.9%	85-115	
			MS	ug/L	50.00	125%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	125%	75-125	
			MSRPD	ug/L		0.2%	≤20.0	
			MS	ug/L	50.00	130%	75-125	435
		(STK2531095-001)	MSD	ug/L	50.00	137%	75-125	435
			MSRPD	ug/L		2.4%	≤20.0	
Zinc	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<10	
			LCS	ug/L	50.00	90.6%	85-115	
			MS	ug/L	50.00	49.7%	75-125	435
		(SP 2501245-001)	MSD	ug/L	50.00	92.6%	75-125	
			MSRPD	ug/L		10.5%	≤20	
			MS	ug/L	50.00	-201%	<¼	406
		(STK2531095-001)	MSD	ug/L	50.00	-157%	<1/4	
			MSRPD	ug/L		1.6%	≤20	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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February 11, 2025

Chiquita Canyon Landfill

Lab No. : SP 2501205
Customer No. : 2028560

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Ammonia Nitrogen	4500NH3G	02/07/2025:201495LCR	Blank	mg/L		ND	<0.2	
			LCS	mg/L	2.000	97.6%	90-110	
			MS	mg/L	2.000	97.2%	46-139	
		(SP 2501228-001)	MSD	mg/L	2.000	98.7%	46-139	
			MSRPD	mg/L		1.4%	≤20	
BOD	5210B	01/28/2025:200904JCG	RgBlk	mg/L		0.13	2	
			LCS	mg/L	198.0	90.7%	84.6-115	
			LCSAv	mg/L	198.0	92.8%	84.6-115	
			LCS	mg/L	198.0	97.5%	84.6-115	
			LCS	mg/L	198.0	90.2%	84.6-115	
		(SP 2501235-001)	Dup	mg/L		4.58%	15.9	
		(SP 2501235-001)	Dup	mg/L		1.73%	15.9	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

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ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Special

CHAIN OF CUSTODY

www.fglinc.com

Laboratory Copy (1 of 2)

6280:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**

Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:

Contact Person: Matt Breuer

Project Name: **Chiquita Landfill-Subchapter N**

Purchase Order Number:

Quote Number: **SP 20241121-05**

Sampler(s) Blanca Hoffmeier
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501205 2-28560

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-BOD 16oz(P)	Wet Chemistry-NH3-N 16oz(P)-H2SO4	Metals, Total-As,Cr,Zn 250ml(P)-HNO3	Sub Organic-EPA 625.1 SemiVOA a- Terpineol, p-Cresol, Napthalene, Benzoic Acid Pyridine and Phenol ***Requires MDL Reporting**** 1000ml(AGT)	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time
1	South Basin - Western Inlet	1/26/25	9:30am	G	STM				1	1	1	1	"ERROR"		
2	South Basin - Eastern Inlet	1/26/25	3:30pm	G	STM				1	1	1	1	8.29	1/26	3:45
										"					

Remarks:

Relinquished	Date:	Time:
Blanca Hoffmeier	1/27/25	9:45am

Received By:	Date:	Time:
MC	1/27/25	9:45

Relinquished	Date:	Time:

Received By:	Date:	Time:

Relinquished	Date:	Time:

Received By:	Date:	Time:

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ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to
Weck Laboratories, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501205**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Sample Information / **Test Description(s)**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 625.1 SemiVOA EXTENDED LIST a- Terpineol, p-Cresol, Napthalene, Benzoic Acid Pyridine and Phenol ***Requires MDL Reporting**** 1000ml(AGT)							
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				1							
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				1							

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

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Condition Upon Receipt (Attach to COC) SP 2501205

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH268**
4. Were samples received on Ice? **[Yes]** **No** Temps: **ROI** / **14C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **[Yes]** **No** **N/A**
7. Verify sample date, time, sampler **[Yes]** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **[Yes]** **No**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **[Yes]** **No**
2. Did bottle labels correspond with the client's ID's? **[Yes]** **No**
3. Were all bottles requiring sample preservation properly preserved? **[Yes]** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **[N/A]**
5. Were all analyses within holding times at time of receipt? **[Yes]** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **[N/A]**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/27/2025-16:04:16

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
SP 2501205
MDC-01/27/2025-16:04:16

February 3, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Subject: Subcontract Analysis for FGL Lab No. SP 2501198

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290

Please note that this analysis was performed by Ceres Analytical Laboratory, Inc.

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-03

Enclosure

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

February 3, 2025 Ceres ID: 19082

FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

The following report contains the results for the two aqueous samples received on January 28, 2025. These samples were analyzed for 2,3,7,8-TCDD by EPA method 8290. Routine turn-around time was provided for this work.

This work was authorized under the Project Name: SP 2501198.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
19082-001	South Basin - Western Inlet	1/28/2025	1/26/2025	9:30
19082-002	South Basin - Eastern Inlet	1/28/2025	1/26/2025	15:30

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 8290

Quality Assurance Sample **Method Blank**	**Ceres Sample ID:** 0-3412-MB **QC Batch #:** 3412 **Matrix:** Aqueous	**Date Received:** NA **Date Extracted:** 2/1/2025 **Date Analyzed:** 2/2/2025
Project ID: SP 2501198	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND< 3.81	2.38	5.00		13C-2378-TCDD	91.9	40-135	
					CRS			
					37Cl4-2378-TCDD	86.3	40-135	

EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.

(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 8290

Quality Assurance Sample **Laboratory Control Samples**	**Ceres Sample ID:** 0-3412-LCS1/LCS2 **QC Batch #:** 3412 **Matrix:** Aqueous	**Date Received:** NA **Date Extracted:** 2/1/2025 **ZB-5MS Analysis:** 2/2/2025
Project ID: 2501010	**Sample Size:** 1.000 L	

Analyte	%Rec. LCS	% Rec. LCS Dup	%RSD
2,3,7,8-TCDD	99.5	97.2	1.65

Labeled Standards	LCS % Rec.	LCS Dup % Rec.	Limits (a)
13C-2378-TCDD	86.0	87.6	40-135
CRS			
37Cl4-2378-TCDD	85.3	89.3	40-135

(a) Limits based on method acceptance criteria.

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 8290

Client Sample ID: South Basin - Western Inlet		
Project ID: 2501010	**Ceres Sample ID:** 19082-001	**Date Received:** 1/28/2025
	QC Batch #: 3412	**Date Extracted:** 2/1/2025
Date Collected: 1/26/2025	**Matrix:** Aqueous	**Date Analyzed:** 2/2/2025
Time Collected: 9:30	**Sample Size:** 1.021 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND < 3.22	2.96	4.90		13C-2378-TCDD	58.7	31-137	
					CRS			
					37Cl4-2378-TCDD	93.4	42-164	

EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.

(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290

Client Sample ID: South Basin - Eastern Inlet		
Project ID: 2501010	**Ceres Sample ID:** 19082-002	**Date Received:** 1/28/2025
	QC Batch #: 3412	**Date Extracted:** 2/1/2025
Date Collected: 1/26/2025	**Matrix:** Aqueous	**Date Analyzed:** 2/2/2025
Time Collected: 15:30	**Sample Size:** 1.030 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND < 3.96	2.96	4.85		13C-2378-TCDD	65.5	31-137	
					CRS			
					37Cl4-2378-TCDD	89.7	42-164	

EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.

(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to
Ceres Analytical Laboratory, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Test Description(s): Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290 ***Requires MDL Reporting**** 1000ml(AGT)
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				1
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				1

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
CM	1/27/25	17:00						
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
CMS GLS				1/28/25	12:10			

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Sample Receipt Check List Logged by: HH (initials)

Ceres ID: 19082	Date/Time: 1/28/25 12:10
Client Project ID: SP2501198	Received Temp: 2.6 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N) / NA
Aqueous sample pH: 7.7	NA
List COC discrepancies: HH 1/28/25	
List Damaged Samples: HH 1/28/25	

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Subject: Subcontract Analysis for FGL Lab No. SP 2501198

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 8141

Please note that this analysis was performed by Eurofins Calscience, Inc

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-11

Enclosure

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Aguirre
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Generated 2/10/2025 3:28:47 PM

JOB DESCRIPTION

SP 2501198

JOB NUMBER

570-215847-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization

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2/10/2025 3:28:47 PM

Authorized for release by
Allyson Chapman, Project Manager I
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(714)895-5494

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Definitions/Glossary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
me	LCS Recovery is within Marginal Exdeedance (ME) control limit range (± 4 SD from the mean).
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-215847-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/29/2025 1:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Pesticides
Method 8141A: The continuing calibration verification (CCV) associated with 570-529372 recovered high and outside the control limits for on one column. Results are confirmed on both columns and reported from the passing column.

Method 8141A: The laboratory control sample (LCS) for preparation batch 570-528018 and analytical batch 570-529372 recovered outside control limits for the following analytes: Merphos. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8141A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-528018 and analytical batch 570-529372 were outside control limits.

Method 8141A: The continuing calibration verification (CCV) associated with batch 570-529372 recovered above the upper control limit for Merphos and Naled. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: South Basin-Western Inlet (570-215847-1), South Basin-Eastern Inlet (570-215847-2) and (MB 570-528018/1-A).

Method 8141A: The continuing calibration verification (CCV) associated with 570-529372 recovered high and outside the control limits on one column. Results are confirmed on both columns and reported from the passing column. The associated samples are: (CCV 570-529372/17) and (CCV 570-529372/30).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Client Sample ID: South Basin-Western Inlet — Lab Sample ID: 570-215847-1

No Detections.

Client Sample ID: South Basin-Eastern Inlet — Lab Sample ID: 570-215847-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method: SW846 8141A - Organophosphorous Pesticides (GC)

Client Sample ID: South Basin-Western Inlet
Date Collected: 01/26/25 09:30
Date Received: 01/29/25 13:13

Lab Sample ID: 570-215847-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		0.0050	0.0017	mg/L		01/30/25 08:09	02/04/25 10:30	1
Bolstar	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 10:30	1
Chlorpyrifos	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 10:30	1
Coumaphos	ND		0.0050	0.0018	mg/L		01/30/25 08:09	02/04/25 10:30	1
Demeton-o/s	ND		0.010	0.0024	mg/L		01/30/25 08:09	02/04/25 10:30	1
Diazinon	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 10:30	1
Dichlorvos	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 10:30	1
Disulfoton	ND		0.010	0.0015	mg/L		01/30/25 08:09	02/04/25 10:30	1
Ethoprop	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 10:30	1
Fensulfothion	ND		0.0050	0.0029	mg/L		01/30/25 08:09	02/04/25 10:30	1
Fenthion	ND		0.0050	0.0014	mg/L		01/30/25 08:09	02/04/25 10:30	1
Merphos	ND	*+	0.0050	0.0020	mg/L		01/30/25 08:09	02/04/25 10:30	1
Methyl parathion	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 10:30	1
Mevinphos	ND		0.0050	0.0013	mg/L		01/30/25 08:09	02/04/25 10:30	1
Naled	ND		0.040	0.015	mg/L		01/30/25 08:09	02/04/25 10:30	1
Phorate	ND		0.0050	0.0023	mg/L		01/30/25 08:09	02/04/25 10:30	1
Ronnel	ND		0.0050	0.0011	mg/L		01/30/25 08:09	02/04/25 10:30	1
Stirophos	ND		0.020	0.0010	mg/L		01/30/25 08:09	02/04/25 10:30	1
Tokuthion	ND		0.0050	0.0013	mg/L		01/30/25 08:09	02/04/25 10:30	1
Trichloronate	ND		0.0050	0.0012	mg/L		01/30/25 08:09	02/04/25 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tributylphosphate	*109*		*30 - 151*	*01/30/25 08:09*	*02/04/25 10:30*	*1*

Client Sample ID: South Basin-Eastern Inlet
Date Collected: 01/26/25 15:30
Date Received: 01/29/25 13:13

Lab Sample ID: 570-215847-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		0.0050	0.0017	mg/L		01/30/25 08:09	02/04/25 11:17	1
Bolstar	ND	F1 F2	0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 11:17	1
Chlorpyrifos	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 11:17	1
Coumaphos	ND		0.0050	0.0018	mg/L		01/30/25 08:09	02/04/25 11:17	1
Demeton-o/s	ND		0.010	0.0024	mg/L		01/30/25 08:09	02/04/25 11:17	1
Diazinon	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 11:17	1
Dichlorvos	ND	F1	0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 11:17	1
Disulfoton	ND		0.010	0.0015	mg/L		01/30/25 08:09	02/04/25 11:17	1
Ethoprop	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 11:17	1
Fensulfothion	ND		0.0050	0.0029	mg/L		01/30/25 08:09	02/04/25 11:17	1
Fenthion	ND		0.0050	0.0014	mg/L		01/30/25 08:09	02/04/25 11:17	1
Merphos	ND	F1 *+	0.0050	0.0020	mg/L		01/30/25 08:09	02/04/25 11:17	1
Methyl parathion	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 11:17	1
Mevinphos	ND		0.0050	0.0013	mg/L		01/30/25 08:09	02/04/25 11:17	1
Naled	ND		0.040	0.015	mg/L		01/30/25 08:09	02/04/25 11:17	1
Phorate	ND	F1	0.0050	0.0023	mg/L		01/30/25 08:09	02/04/25 11:17	1
Ronnel	ND		0.0050	0.0011	mg/L		01/30/25 08:09	02/04/25 11:17	1
Stirophos	ND	F1	0.020	0.0010	mg/L		01/30/25 08:09	02/04/25 11:17	1
Tokuthion	ND		0.0050	0.0013	mg/L		01/30/25 08:09	02/04/25 11:17	1
Trichloronate	ND		0.0050	0.0012	mg/L		01/30/25 08:09	02/04/25 11:17	1

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Method: SW846 8141A - Organophosphorous Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tributylphosphate	98	p	30 - 151	01/30/25 08:09	02/04/25 11:17	1

Surrogate Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Method: 8141A - Organophosphorous Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		TBPH1							
Lab Sample ID	Client Sample ID	(30-151)							
570-215847-1	South Basin-Western Inlet	109							
570-215847-2	South Basin-Eastern Inlet	98 p							
570-215847-2 MS	South Basin-Eastern Inlet	102							
570-215847-2 MSD	South Basin-Eastern Inlet	101 p							
LCS 570-528018/2-A	Lab Control Sample	93							
LCSD 570-528018/3-A	Lab Control Sample Dup	93 p							
MB 570-528018/1-A	Method Blank	105							

Surrogate Legend

TBPH = Tributylphosphate

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 570-528018/1-A
Matrix: Water
Analysis Batch: 529372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		0.0050	0.0017	mg/L		01/30/25 08:09	02/04/25 09:43	1
Bolstar	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 09:43	1
Chlorpyrifos	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 09:43	1
Coumaphos	ND		0.0050	0.0018	mg/L		01/30/25 08:09	02/04/25 09:43	1
Demeton-o/s	ND		0.010	0.0024	mg/L		01/30/25 08:09	02/04/25 09:43	1
Diazinon	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 09:43	1
Dichlorvos	ND		0.0050	0.0019	mg/L		01/30/25 08:09	02/04/25 09:43	1
Disulfoton	ND		0.010	0.0015	mg/L		01/30/25 08:09	02/04/25 09:43	1
Ethoprop	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 09:43	1
Fensulfothion	ND		0.0050	0.0029	mg/L		01/30/25 08:09	02/04/25 09:43	1
Fenthion	ND		0.0050	0.0014	mg/L		01/30/25 08:09	02/04/25 09:43	1
Merphos	ND		0.0050	0.0020	mg/L		01/30/25 08:09	02/04/25 09:43	1
Methyl parathion	ND		0.0050	0.0015	mg/L		01/30/25 08:09	02/04/25 09:43	1
Mevinphos	ND		0.0050	0.0013	mg/L		01/30/25 08:09	02/04/25 09:43	1
Naled	ND		0.040	0.015	mg/L		01/30/25 08:09	02/04/25 09:43	1
Phorate	ND		0.0050	0.0023	mg/L		01/30/25 08:09	02/04/25 09:43	1
Ronnel	ND		0.0050	0.0011	mg/L		01/30/25 08:09	02/04/25 09:43	1
Stirophos	ND		0.020	0.0010	mg/L		01/30/25 08:09	02/04/25 09:43	1
Tokuthion	ND		0.0050	0.0013	mg/L		01/30/25 08:09	02/04/25 09:43	1
Trichloronate	ND		0.0050	0.0012	mg/L		01/30/25 08:09	02/04/25 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tributylphosphate	*105*		*30 - 151*	*01/30/25 08:09*	*02/04/25 09:43*	*1*

Lab Sample ID: LCS 570-528018/2-A
Matrix: Water
Analysis Batch: 529372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Azinphos-methyl	0.0200	0.02207		mg/L		110	44 - 163
Bolstar	0.0200	0.01717	p	mg/L		86	41 - 151
Chlorpyrifos	0.0200	0.01827		mg/L		91	42 - 152
Coumaphos	0.0200	0.01866		mg/L		93	35 - 170
Diazinon	0.0200	0.02173		mg/L		109	43 - 155
Disulfoton	0.0200	0.01846		mg/L		92	41 - 152
Ethoprop	0.0200	0.02111		mg/L		106	47 - 158
Fensulfothion	0.0200	0.01940	p	mg/L		97	51 - 166
Fenthion	0.0200	0.02355		mg/L		118	43 - 161
Merphos	0.0200	0.03704	*+ me	mg/L		185	44 - 180
Methyl parathion	0.0200	0.02148		mg/L		107	35 - 167
Phorate	0.0200	0.01815		mg/L		91	39 - 159
Ronnel	0.0200	0.02007		mg/L		100	42 - 151
Stirophos	0.0200	0.02482	p	mg/L		124	39 - 172
Tokuthion	0.0200	0.01823		mg/L		91	33 - 155
Trichloronate	0.0200	0.01430	p	mg/L		72	39 - 157

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tributylphosphate	*93*		*30 - 151*

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: LCSD 570-528018/3-A
Matrix: Water
Analysis Batch: 529372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528018

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Azinphos-methyl			0.0200	0.02169		mg/L		108	44 - 163	2	30
Bolstar			0.0200	0.01723		mg/L		86	41 - 151	0	30
Chlorpyrifos			0.0200	0.01866		mg/L		93	42 - 152	2	30
Coumaphos			0.0200	0.01880		mg/L		94	35 - 170	1	30
Diazinon			0.0200	0.02046		mg/L		102	43 - 155	6	30
Disulfoton			0.0200	0.01836		mg/L		92	41 - 152	1	30
Ethoprop			0.0200	0.02095		mg/L		105	47 - 158	1	30
Fensulfothion			0.0200	0.01964	p	mg/L		98	51 - 166	1	30
Fenthion			0.0200	0.02053		mg/L		103	43 - 161	14	30
Merphos			0.0200	0.03252		mg/L		163	44 - 180	13	30
Methyl parathion			0.0200	0.02049		mg/L		102	35 - 167	5	30
Phorate			0.0200	0.01717		mg/L		86	39 - 159	6	30
Ronnel			0.0200	0.02016		mg/L		101	42 - 151	0	30
Stirophos			0.0200	0.02194	p	mg/L		110	39 - 172	12	30
Tokuthion			0.0200	0.01942		mg/L		97	33 - 155	6	30
Trichloronate			0.0200	0.01473	p	mg/L		74	39 - 157	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tributylphosphate	*93*	*p*	*30 - 151*

Lab Sample ID: 570-215847-2 MS
Matrix: Water
Analysis Batch: 529372

Client Sample ID: South Basin-Eastern Inlet
Prep Type: Total/NA
Prep Batch: 528018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Azinphos-methyl	ND		0.0200	0.03338		mg/L		167	24 - 180
Bolstar	ND	F1 F2	0.0200	0.02935	F1	mg/L		147	36 - 135
Chlorpyrifos	ND		0.0200	0.01935		mg/L		97	34 - 137
Coumaphos	ND		0.0200	0.02774		mg/L		139	37 - 154
Diazinon	ND		0.0200	0.01717		mg/L		86	37 - 148
Disulfoton	ND		0.0200	0.01926		mg/L		96	36 - 149
Ethoprop	ND		0.0200	0.02085		mg/L		104	36 - 151
Fensulfothion	ND		0.0200	0.02958		mg/L		148	36 - 162
Fenthion	ND		0.0200	0.02491		mg/L		125	23 - 173
Merphos	ND	F1 *+	0.0200	0.04415	F1	mg/L		221	20 - 180
Methyl parathion	ND		0.0200	0.02759		mg/L		138	29 - 180
Phorate	ND	F1	0.0200	0.03182	F1	mg/L		159	40 - 139
Ronnel	ND		0.0200	0.01899		mg/L		95	34 - 155
Stirophos	ND	F1	0.0200	0.03578	p F1	mg/L		179	34 - 154
Tokuthion	ND		0.0200	0.02011		mg/L		101	32 - 140
Trichloronate	ND		0.0200	0.01817		mg/L		91	38 - 146

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tributylphosphate	*102*		*30 - 151*

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: 570-215847-2 MSD
Matrix: Water
Analysis Batch: 529372

Client Sample ID: South Basin-Eastern Inlet
Prep Type: Total/NA
Prep Batch: 528018

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Azinphos-methyl	ND		0.0200	0.03361		mg/L		168	24 - 180	1	30
Bolstar	ND	F1 F2	0.0200	0.02367	F2	mg/L		118	36 - 135	21	20
Chlorpyrifos	ND		0.0200	0.01962		mg/L		98	34 - 137	1	30
Coumaphos	ND		0.0200	0.02592		mg/L		130	37 - 154	7	30
Diazinon	ND		0.0200	0.01867	p	mg/L		93	37 - 148	8	30
Disulfoton	ND		0.0200	0.01941		mg/L		97	36 - 149	1	30
Ethoprop	ND		0.0200	0.02156		mg/L		108	36 - 151	3	30
Fensulfothion	ND		0.0200	0.03166		mg/L		158	36 - 162	7	30
Fenthion	ND		0.0200	0.02216	p	mg/L		111	23 - 173	12	30
Merphos	ND	F1 *+	0.0200	0.04184	F1	mg/L		209	20 - 180	5	30
Methyl parathion	ND		0.0200	0.02579		mg/L		129	29 - 180	7	30
Phorate	ND	F1	0.0200	0.03867	F1	mg/L		193	40 - 139	19	30
Ronnel	ND		0.0200	0.01970		mg/L		99	34 - 155	4	30
Stirophos	ND	F1	0.0200	0.03760	p F1	mg/L		188	34 - 154	5	20
Tokuthion	ND		0.0200	0.01983		mg/L		99	32 - 140	1	30
Trichloronate	ND		0.0200	0.02334		mg/L		117	38 - 146	25	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tributylphosphate	*101*	*p*	*30 - 151*

Marginal Exceedance (ME) Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: LCS 570-528018/2-A
Matrix: Water

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Azinphos-methyl	0.0200	0.02207		mg/L	110	44 - 163	24 - 183	
Bolstar	0.0200	0.01717	p	mg/L	86	41 - 151	23 - 169	
Chlorpyrifos	0.0200	0.01827		mg/L	91	42 - 152	24 - 170	
Coumaphos	0.0200	0.01866		mg/L	93	35 - 170	13 - 193	
Diazinon	0.0200	0.02173		mg/L	109	43 - 155	24 - 174	
Disulfoton	0.0200	0.01846		mg/L	92	41 - 152	23 - 171	
Ethoprop	0.0200	0.02111		mg/L	106	47 - 158	29 - 177	
Fensulfothion	0.0200	0.01940	p	mg/L	97	51 - 166	32 - 185	
Fenthion	0.0200	0.02355		mg/L	118	43 - 161	23 - 181	
Merphos	0.0200	0.03704	*+ me	mg/L	185	44 - 180	21 - 203	ME
Methyl parathion	0.0200	0.02148		mg/L	107	35 - 167	13 - 189	
Phorate	0.0200	0.01815		mg/L	91	39 - 159	19 - 179	
Ronnel	0.0200	0.02007		mg/L	100	42 - 151	24 - 169	
Stirophos	0.0200	0.02482	p	mg/L	124	39 - 172	17 - 194	
Tokuthion	0.0200	0.01823		mg/L	91	33 - 155	13 - 175	
Trichloronate	0.0200	0.01430	p	mg/L	72	39 - 157	19 - 177	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
16	1	1

ME = Marginal Exceedance

QC Association Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

GC Semi VOA

Prep Batch: 528018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215847-1	South Basin-Western Inlet	Total/NA	Water	3510C	
570-215847-2	South Basin-Eastern Inlet	Total/NA	Water	3510C	
MB 570-528018/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-528018/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-528018/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-215847-2 MS	South Basin-Eastern Inlet	Total/NA	Water	3510C	
570-215847-2 MSD	South Basin-Eastern Inlet	Total/NA	Water	3510C	

Analysis Batch: 529372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215847-1	South Basin-Western Inlet	Total/NA	Water	8141A	528018
570-215847-2	South Basin-Eastern Inlet	Total/NA	Water	8141A	528018
MB 570-528018/1-A	Method Blank	Total/NA	Water	8141A	528018
LCS 570-528018/2-A	Lab Control Sample	Total/NA	Water	8141A	528018
LCSD 570-528018/3-A	Lab Control Sample Dup	Total/NA	Water	8141A	528018
570-215847-2 MS	South Basin-Eastern Inlet	Total/NA	Water	8141A	528018
570-215847-2 MSD	South Basin-Eastern Inlet	Total/NA	Water	8141A	528018

Lab Chronicle

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Client Sample ID: South Basin-Western Inlet

Lab Sample ID: 570-215847-1

Date Collected: 01/26/25 09:30

Matrix: Water

Date Received: 01/29/25 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	2.5 mL	528018	01/30/25 08:09	OAJ3	EET CAL 4
Total/NA	Analysis	8141A		1	1 mL	1 mL	529372	02/04/25 10:30	UJ3K	EET CAL 4
	Instrument ID: GC68									

Client Sample ID: South Basin-Eastern Inlet

Lab Sample ID: 570-215847-2

Date Collected: 01/26/25 15:30

Matrix: Water

Date Received: 01/29/25 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	2.5 mL	528018	01/30/25 08:09	OAJ3	EET CAL 4
Total/NA	Analysis	8141A		1	1 mL	1 mL	529372	02/04/25 11:17	UJ3K	EET CAL 4
	Instrument ID: GC68									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8141A	3510C	Water	Bolstar
8141A	3510C	Water	Coumaphos
8141A	3510C	Water	Demeton-o/s
8141A	3510C	Water	Ethoprop
8141A	3510C	Water	Fensulfothion
8141A	3510C	Water	Fenthion
8141A	3510C	Water	Merphos
8141A	3510C	Water	Mevinphos
8141A	3510C	Water	Naled
8141A	3510C	Water	Tokuthion
8141A	3510C	Water	Trichloronate

Oregon	NELAP	4175	02-02-26

Method Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Method	Method Description	Protocol	Laboratory
8141A	Organophosphorous Pesticides (GC)	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-215847-1	South Basin-Western Inlet	Water	01/26/25 09:30	01/29/25 13:13
570-215847-2	South Basin-Eastern Inlet	Water	01/26/25 15:30	01/29/25 13:13

FGL ENVIRONMENTAL — AGRICULTURAL
Analytical Chemists

Loc: 570
215847

Subcontract to Eurofins Calscience, Inc

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Sample Information / **Test Description(s)**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 8141 ***Requires MDL Reporting**** 1000ml(AGT)
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				1
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				1

570-215847 Chain of Custody

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Cm	1/28/25	17:00						
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
UPS			EC	1/29/25	1313			

2.4/2.6 SCH

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

VJ68

570-215847 Waybill

BRANDON QUELL
(805) 392-2000
FRUIT GROWERS LAB
853 CORPORATION ST.
SANTA PAULA CA 93060

36 LBS

SHIP TO:

ATTN: SAMPLE RECEIVING
EUROFINS CAL SCIENCE
2841 DOW AVENUE, #100
TUSTIN CA 92780

CA 927 9-08

UPS GROUND

TRACKING #: 1Z 992 031 03 6083 6077

BILLING: P/P

REF 1:1/28/25-AV

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 570-215847-1

Login Number: 215847

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Subject: Subcontract Analysis for FGL Lab No. SP 2501198

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 8260 - Appendix II

Please note that this analysis was performed by Zalco Laboratories, Inc.

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-11

Enclosure

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

February 07, 2025

Cindy Aguirre

Fruit Growers Laboratory, Inc.
853 Corporation Street
Santa Paula, CA 93060

RE: Master

Zalco Work Order: 2501596

Zalco Project:

Enclosed are the results of analyses for samples received by our laboratory on 1/29/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Magana For Juan Magana
Laboratory Technical Manager

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to Zalco Laboratories, Inc.

2501596

CHAIN OF CUSTODY AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Sample Information / **Test Description(s)**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 8260 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list***	***Requires MDL Reporting**** 40ml(GVT)- HCl
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				4	
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				4	

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting
4.5°C

Relinquished	Date	Time
CM	1/28/25	17:00
Received By: UPS	Date	Time

Relinquished	Date	Time
Received By: AIM	1/29/25	12:36

Relinquished	Date	Time
Received By:	Date	Time

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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TEL: (805)783-2940
CA ELAP Certification No. 2775

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Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Work Order Case Narrative

Sample results evaluated to the MDL

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Sample Results

Sample Name: **South Basin- Western Inlet**

Lab ID: **2501596-01**

Sampled Date - Time: 1/26/2025 9:30:00AM
Matrix: Water
Sample Type: Grab

Volatile Organic Compounds by GC/MS

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Acetone	ND	50	48	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Acrolein	ND	20	4.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Acrylonitrile	ND	20	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Benzene	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromochloromethane	ND	5.0	0.93	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromodichloromethane	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromoform	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromomethane	ND	5.0	2.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Butanone	ND	50	22	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Tert-butyl alcohol	ND	25	7.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Carbon disulfide	ND	5.0	2.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Carbon tetrachloride	ND	5.0	1.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chlorobenzene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloroethane	ND	5.0	3.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Chloroethylvinyl ether	ND	5.0	1.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloroform	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloromethane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dibromoethane (EDB)	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Dibromomethane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichlorobenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3-Dichlorobenzene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,4-Dichlorobenzene	ND	5.0	2.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Dichlorodifluoromethane	ND	5.0	0.91	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloroethane	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichloroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloroethene	ND	5.0	1.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
trans-1,2-Dichloroethene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichloropropane	ND	5.0	0.92	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
cis-1,3-Dichloropropene	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
trans-1,3-Dichloropropene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromobenzene	ND	5.0	0.96	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
n-Butylbenzene	ND	5.0	3.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
sec-Butylbenzene	ND	5.0	2.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Ethyl acetate	ND	50	7.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
tert-Butylbenzene	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Chlorotoluene	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Ethylbenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
4-Chlorotoluene	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Sample Results
(Continued)

Sample Name: **South Basin- Western Inlet (Continued)**
Sampled Date - Time: 1/26/2025 9:30:00AM
Matrix: Water
Lab ID: **2501596-01**
Sample Type: Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Volatile Organic Compounds by GC/MS (Continued)									
Dibromochloromethane	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
cis-1,2-Dichloroethene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3-Dichloropropane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Hexachlorobutadiene	ND	5.0	3.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2,2-Dichloropropane	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloropropene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Hexanone	ND	50	32	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Di-isopropyl ether	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Ethyl tert-Butyl Ether	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Iodomethane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
4-Isopropyltoluene	ND	5.0	2.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Isopropylbenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Methyl tert-Butyl Ether	ND	5.0	0.91	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
n-Propyl Benzene	ND	5.0	2.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Tert-Amyl Methyl Ether	ND	5.0	1.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,3-Trichlorobenzene	ND	5.0	2.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,4-Trimethylbenzene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Methylene chloride	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3,5-Trimethylbenzene	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
4-Methyl-2-pentanone	ND	50	24	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Xylenes, total	0.0			ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
m,p-Xylene	ND	5.0	3.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
o-Xylene	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Naphthalene	ND	5.0	3.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Styrene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Toluene	ND	5.0	3.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2,2-Tetrachloroethane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Tetrachloroethene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,1,2-Tetrachloroethane	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,4-Trichlorobenzene	ND	5.0	3.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,1-Trichloroethane	ND	5.0	1.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2-Trichloroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Trichloroethene	ND	5.0	0.85	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Trichlorofluoromethane	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,3-Trichloropropane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Vinyl acetate	ND	5.0	4.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Vinyl chloride	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Surrogate: 1,2-Dichloroethane-d4	*103%*		*72-130*			*1/30/25 16:33*	*SW846 8260B*	*JAM*	

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Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Sample Results
(Continued)

Sample Name: **South Basin- Western Inlet (Continued)** **Sampled Date - Time:** 1/26/2025 9:30:00AM
Matrix: Water
Lab ID: **2501596-01** **Sample Type:** Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Volatile Organic Compounds by GC/MS (Continued)									
Surrogate: Toluene-d8	*98.4%*		*92-111*			*1/30/25 16:33*	*SW846 8260B*	*JAM*	
Surrogate: 4-Bromofluorobenzene	*98.1%*		*87-108*			*1/30/25 16:33*	*SW846 8260B*	*JAM*	

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Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Sample Results
(Continued)

Sample Name: **South Basin- Eastern Inlet**
Lab ID: **2501596-02**

Sampled Date - Time: 1/26/2025 3:30:00PM
Matrix: Water
Sample Type: Grab

Volatile Organic Compounds by GC/MS

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Acetone	ND	50	48	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Acrolein	ND	20	4.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Acrylonitrile	ND	20	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Benzene	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromochloromethane	ND	5.0	0.93	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromodichloromethane	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromoform	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromomethane	ND	5.0	2.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Butanone	ND	50	22	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Tert-butyl alcohol	ND	25	7.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Carbon disulfide	ND	5.0	2.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Carbon tetrachloride	ND	5.0	1.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chlorobenzene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloroethane	ND	5.0	3.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Chloroethylvinyl ether	ND	5.0	1.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloroform	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloromethane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dibromoethane (EDB)	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Dibromomethane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichlorobenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3-Dichlorobenzene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,4-Dichlorobenzene	ND	5.0	2.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Dichlorodifluoromethane	ND	5.0	0.91	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloroethane	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichloroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloroethene	ND	5.0	1.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
trans-1,2-Dichloroethene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichloropropane	ND	5.0	0.92	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
cis-1,3-Dichloropropene	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
trans-1,3-Dichloropropene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromobenzene	ND	5.0	0.96	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
n-Butylbenzene	ND	5.0	3.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
sec-Butylbenzene	ND	5.0	2.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Ethyl acetate	ND	50	7.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
tert-Butylbenzene	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Chlorotoluene	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Ethylbenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
4-Chlorotoluene	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	

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4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Sample Results
(Continued)

Sample Name: **South Basin- Eastern Inlet (Continued)** **Sampled Date - Time:** 1/26/2025 3:30:00PM
Matrix: Water
Lab ID: **2501596-02** **Sample Type:** Grab

Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Dibromochloromethane	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
cis-1,2-Dichloroethene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3-Dichloropropane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Hexachlorobutadiene	ND	5.0	3.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2,2-Dichloropropane	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloropropene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Hexanone	ND	50	32	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Di-isopropyl ether	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Ethyl tert-Butyl Ether	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Iodomethane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
4-Isopropyltoluene	ND	5.0	2.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Isopropylbenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Methyl tert-Butyl Ether	ND	5.0	0.91	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
n-Propyl Benzene	ND	5.0	2.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Tert-Amyl Methyl Ether	ND	5.0	1.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,3-Trichlorobenzene	ND	5.0	2.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,4-Trimethylbenzene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Methylene chloride	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3,5-Trimethylbenzene	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
4-Methyl-2-pentanone	ND	50	24	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Xylenes, total	0.0			ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
m,p-Xylene	ND	5.0	3.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
o-Xylene	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Naphthalene	ND	5.0	3.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Styrene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Toluene	ND	5.0	3.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2,2-Tetrachloroethane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Tetrachloroethene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,1,2-Tetrachloroethane	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,4-Trichlorobenzene	ND	5.0	3.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,1-Trichloroethane	ND	5.0	1.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2-Trichloroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Trichloroethene	ND	5.0	0.85	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Trichlorofluoromethane	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,3-Trichloropropane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Vinyl acetate	ND	5.0	4.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Vinyl chloride	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Surrogate: 1,2-Dichloroethane-d4	*103%*		*72-130*			*1/30/25 16:33*	*SW846 8260B*	*JAM*	

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Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Sample Results
(Continued)

Sample Name: **South Basin- Eastern Inlet (Continued)** **Sampled Date - Time:** 1/26/2025 3:30:00PM
Matrix: Water
Lab ID: **2501596-02** **Sample Type:** Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Volatile Organic Compounds by GC/MS (Continued)									
Surrogate: Toluene-d8	*99.9%*		*92-111*			*1/30/25 16:33*	*SW846 8260B*	*JAM*	
Surrogate: 4-Bromofluorobenzene	*100%*		*87-108*			*1/30/25 16:33*	*SW846 8260B*	*JAM*	

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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Quality Control

Volatile Organic Compounds by GC/MS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: 5B00177 - EPA 5030B										
Blank (5B00177-BLK1)					Prepared & Analyzed: 1/30/2025					
Acetone	ND		50	ug/L						
Acrolein	ND		20	ug/L						
Acrylonitrile	ND		20	ug/L						
Benzene	ND		5.0	ug/L						
Bromochloromethane	ND		5.0	ug/L						
Bromodichloromethane	ND		5.0	ug/L						
Bromoform	ND		5.0	ug/L						
Bromomethane	ND		5.0	ug/L						
2-Butanone	ND		50	ug/L						
Tert-butyl alcohol	ND		25	ug/L						
Carbon disulfide	ND		5.0	ug/L						
Carbon tetrachloride	ND		5.0	ug/L						
Chlorobenzene	ND		5.0	ug/L						
Chloroethane	ND		5.0	ug/L						
2-Chloroethylvinyl ether	ND		5.0	ug/L						
Chloroform	ND		5.0	ug/L						
Chloromethane	ND		5.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		5.0	ug/L						
1,2-Dibromoethane (EDB)	ND		5.0	ug/L						
Dibromomethane	ND		5.0	ug/L						
1,2-Dichlorobenzene	ND		5.0	ug/L						
1,3-Dichlorobenzene	ND		5.0	ug/L						
1,4-Dichlorobenzene	ND		5.0	ug/L						
Dichlorodifluoromethane	ND		5.0	ug/L						
1,1-Dichloroethane	ND		5.0	ug/L						
1,2-Dichloroethane	ND		5.0	ug/L						
1,1-Dichloroethene	ND		5.0	ug/L						
trans-1,2-Dichloroethene	ND		5.0	ug/L						
1,2-Dichloropropane	ND		5.0	ug/L						
cis-1,3-Dichloropropene	ND		5.0	ug/L						
trans-1,3-Dichloropropene	ND		5.0	ug/L						
Bromobenzene	ND		5.0	ug/L						
n-Butylbenzene	ND		5.0	ug/L						
sec-Butylbenzene	ND		5.0	ug/L						
Ethyl acetate	ND		50	ug/L						
tert-Butylbenzene	ND		5.0	ug/L						
2-Chlorotoluene	ND		5.0	ug/L						
Ethylbenzene	ND		5.0	ug/L						
4-Chlorotoluene	ND		5.0	ug/L						
Dibromochloromethane	ND		5.0	ug/L						
cis-1,2-Dichloroethene	ND		5.0	ug/L						
1,3-Dichloropropane	ND		5.0	ug/L						
Hexachlorobutadiene	ND		5.0	ug/L						
2,2-Dichloropropane	ND		5.0	ug/L						
1,1-Dichloropropene	ND		5.0	ug/L						
2-Hexanone	ND		50	ug/L						
Di-isopropyl ether	ND		5.0	ug/L						

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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Quality Control
(Continued)

Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: 5B00177 - EPA 5030B (Continued)										
Blank (5B00177-BLK1)					Prepared & Analyzed: 1/30/2025					
Ethyl tert-Butyl Ether	ND		5.0	ug/L						
Iodomethane	ND		5.0	ug/L						
4-Isopropyltoluene	ND		5.0	ug/L						
Isopropylbenzene	ND		5.0	ug/L						
Methyl tert-Butyl Ether	ND		5.0	ug/L						
n-Propyl Benzene	ND		5.0	ug/L						
Tert-Amyl Methyl Ether	ND		5.0	ug/L						
1,2,3-Trichlorobenzene	ND		5.0	ug/L						
1,2,4-Trimethylbenzene	ND		5.0	ug/L						
Methylene chloride	ND		5.0	ug/L						
1,3,5-Trimethylbenzene	ND		5.0	ug/L						
4-Methyl-2-pentanone	ND		50	ug/L						
Xylenes, total	0.0			ug/L						
m,p-Xylene	ND		5.0	ug/L						
o-Xylene	ND		5.0	ug/L						
Naphthalene	ND		5.0	ug/L						
Styrene	ND		5.0	ug/L						
Toluene	ND		5.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		5.0	ug/L						
Tetrachloroethene	ND		5.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		5.0	ug/L						
1,2,4-Trichlorobenzene	ND		5.0	ug/L						
1,1,1-Trichloroethane	ND		5.0	ug/L						
1,1,2-Trichloroethane	ND		5.0	ug/L						
Trichloroethene	ND		5.0	ug/L						
Trichlorofluoromethane	ND		5.0	ug/L						
1,2,3-Trichloropropane	ND		5.0	ug/L						
Vinyl acetate	ND		5.0	ug/L						
Vinyl chloride	ND		5.0	ug/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4			*54.9*	*ug/L*	*50.0*		*110*	*72-130*		
Surrogate: Toluene-d8			*46.3*	*ug/L*	*50.0*		*92.6*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*52.7*	*ug/L*	*50.0*		*105*	*87-108*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Quality Control
(Continued)

Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: 5B00177 - EPA 5030B (Continued)										
LCS (5B00177-BS1)					Prepared & Analyzed: 1/30/2025					
Benzene	44		5.0	ug/L	50.0		88.2	84-158		
Chlorobenzene	40		5.0	ug/L	50.0		79.0	9.64-172		
1,1-Dichloroethene	41	JMM-05	5.0	ug/L	50.0		82.9	93-220		
Toluene	38		5.0	ug/L	50.0		76.8	66-147		
Trichloroethene	42	JMM-05	5.0	ug/L	50.0		84.6	86-146		
Surrogate: 1,2-Dichloroethane-d4			*47.8*	*ug/L*	*50.0*		*95.6*	*72-130*		
Surrogate: Toluene-d8			*50.1*	*ug/L*	*50.0*		*100*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*47.4*	*ug/L*	*50.0*		*94.9*	*87-108*		
Matrix Spike (5B00177-MS1)		**Source: 2501534-01**			Prepared & Analyzed: 1/30/2025					
Benzene	42		5.0	ug/L	50.0	ND	84.7	77-164		
Chlorobenzene	38		5.0	ug/L	50.0	ND	76.2	18-182		
1,1-Dichloroethene	37		5.0	ug/L	50.0	ND	73.1	73-224		
Toluene	37		5.0	ug/L	50.0	ND	73.1	64-149		
Trichloroethene	41		5.0	ug/L	50.0	ND	82.0	76-159		
Surrogate: 1,2-Dichloroethane-d4			*49.9*	*ug/L*	*50.0*		*99.8*	*72-130*		
Surrogate: Toluene-d8			*49.7*	*ug/L*	*50.0*		*99.4*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*48.1*	*ug/L*	*50.0*		*96.2*	*87-108*		
Matrix Spike Dup (5B00177-MSD1)		**Source: 2501534-01**			Prepared & Analyzed: 1/30/2025					
Benzene	44		5.0	ug/L	50.0	ND	88.0	77-164	3.82	20
Chlorobenzene	40		5.0	ug/L	50.0	ND	80.7	18-182	5.63	20
1,1-Dichloroethene	41		5.0	ug/L	50.0	ND	81.2	73-224	10.5	20
Toluene	39		5.0	ug/L	50.0	ND	77.2	64-149	5.40	20
Trichloroethene	43		5.0	ug/L	50.0	ND	86.2	76-159	5.04	20
Surrogate: 1,2-Dichloroethane-d4			*50.3*	*ug/L*	*50.0*		*101*	*72-130*		
Surrogate: Toluene-d8			*49.5*	*ug/L*	*50.0*		*99.0*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*47.8*	*ug/L*	*50.0*		*95.6*	*87-108*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

Zalco
Laboratories, Inc.
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Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501198	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/07/2025 20:26

Notes and Definitions

Item	Definition
JMM-05	Percent recoveries are out of Zalco acceptance range. However, they are within EPA limits.
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

February 20, 2025

Lab No. : SP 2501198
Customer No. : 2028560

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Laboratory Report

Introduction: This report package contains a total of 11 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(5 pages)	: Results for each sample submitted.
Quality Control	(5 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
South Basin - Western Inlet	01/26/2025	01/27/2025	SP 2501198-001	STM
South Basin - Eastern Inlet	01/26/2025	01/27/2025	SP 2501198-002	STM

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 200.8	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 245.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 420.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 8082	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-CN E	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-S D	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Discussion of Analytical Results:

Case Narrative - 02/20/25 - The EPA 8081 results will be reported upon completion of analysis.

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: SMH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-20

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ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

February 20, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Antimony	0.00188	0.0005	0.00038	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Arsenic	0.00718	0.002	0.00042	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Barium	0.201	0.001	0.00027	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Beryllium	0.000741	0.0005	0.000082	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Cadmium	0.000389	0.0002	0.00011	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Chromium	0.0182	0.0005	0.00045	mg/L	1	h	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Cobalt	0.00772	0.001	0.000080	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Copper	0.0355	0.0005	0.00019	mg/L	1	hl	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Lead	0.0166	0.0005	0.00010	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Mercury	0.000034	0.00002	0.000008	mg/L	1		01/29/2025	11:00	ejc	EPA 245.1	01/30/2025	10:55	ejc
Nickel	0.0157	0.001	0.00050	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Selenium	0.00447	0.002	0.00051	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Silver	0.000446	0.00025	0.000072	mg/L	1	l	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Thallium	0.0000360	0.001	0.000024	mg/L	1	J	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Tin	ND	0.02	0.0025	mg/L	1	U	02/19/2025	05:00	ejc	EPA 200.7	02/19/2025	12:04	ac
Vanadium	0.0299	0.002	0.00061	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Zinc	0.0902	0.01	0.00042	mg/L	1	lh	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Wet Chemistry													
Cyanide, Total	0.000342	0.004	-0.00046	mg/L	1	J	02/05/2025	16:35	amm	SM 4500-CN E	02/06/2025	17:48	amm
Phenols	0.0783	0.1	0.070	mg/L	1	J	02/09/2025	18:57	amm	EPA 420.1	02/09/2025	23:03	amm
Sulfide, Total	0.0286	0.1	0.024	mg/L	1	J	01/29/2025	15:30	ctl	SM 4500-S D	01/29/2025	17:00	ctl

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level.

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February 20, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Organic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 8082													
Tetrachloro-m-xylene ‡	31.7	14-157		%	0.9		01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1016/1242	ND	0.472	0.23	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1221	ND	0.472	0.32	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1232	ND	0.472	0.28	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1248	ND	0.472	0.23	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1254	ND	0.472	0.33	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1260	ND	0.472	0.13	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1242	ND	0.472	0.27	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl

DQF Flags Definition:
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

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February 20, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Antimony	0.00356	0.0005	0.00038	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Arsenic	0.0485	0.002	0.00042	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Barium	0.928	0.005	0.0014	mg/L	5		01/29/2025	08:00	ejc	EPA 200.8	01/31/2025	12:30	ac
Beryllium	0.00667	0.0005	0.000082	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Cadmium	0.00906	0.0002	0.00011	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Chromium	0.0773	0.0005	0.00045	mg/L	1	h	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Cobalt	0.0714	0.001	0.000080	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Copper	0.301	0.0005	0.00019	mg/L	1	hl	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Lead	0.292	0.0005	0.00010	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Mercury	0.000409	0.00002	0.000008	mg/L	1		01/29/2025	11:00	ejc	EPA 245.1	01/30/2025	11:08	ejc
Nickel	0.103	0.001	0.00050	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Selenium	0.00392	0.002	0.00051	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Silver	0.00134	0.00025	0.000072	mg/L	1	l	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Thallium	0.000121	0.001	0.000024	mg/L	1	J	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Tin	ND	0.02	0.0025	mg/L	1	U	02/19/2025	05:00	ejc	EPA 200.7	02/19/2025	12:11	ac
Vanadium	0.244	0.002	0.00061	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Zinc	2.01	0.05	0.0021	mg/L	5	l	01/29/2025	08:00	ejc	EPA 200.8	01/31/2025	12:30	ac
Wet Chemistry													
Cyanide, Total	-0.000147	0.004	-0.00046	mg/L	1	J	02/05/2025	16:35	amm	SM 4500-CN E	02/06/2025	17:48	amm
Phenols	0.0854	0.1	0.070	mg/L	1	J	02/09/2025	18:57	amm	EPA 420.1	02/09/2025	23:03	amm
Sulfide, Total	0.0255	0.1	0.024	mg/L	1	J	01/29/2025	15:30	ctl	SM 4500-S D	01/29/2025	17:00	ctl

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected, RL=Reporting Level. ‡ Surrogate.

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February 20, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Organic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 8082													
Tetrachloro-m-xylene ‡	13.4	14-157		%	0.9	L	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1016/1242	ND	0.472	0.23	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1221	ND	0.472	0.32	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1232	ND	0.472	0.28	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1248	ND	0.472	0.23	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1254	ND	0.472	0.33	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1260	ND	0.472	0.13	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1242	ND	0.472	0.27	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl

DQF Flags Definition:
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
U Constituent results were non-detect.

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February 20, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Field Test

Constituent	Result	RL	Units	Note	Sample Preparation		Sample Analysis	
Field Test					Method	Date Time	Method	Date Time
pH (Field)	8.29		units			01/26/2025 15:30	4500HB	01/26/2025 15:30

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

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February 20, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Tin	200.7	02/19/2025:201839EJC	Blank	mg/L		ND	<0.02	
			LCS	mg/L	0.4800	96.3%	85-115	
			MS	mg/L	0.4800	95.4%	75-125	
		(STK2532201-001)	MSD	mg/L	0.4800	95.5%	75-125	
			MSRPD	mg/L		0.1%	≤20.0	
			MS	mg/L	0.4800	93.0%	75-125	
		(STK2532311-001)	MSD	mg/L	0.4800	97.6%	75-125	
			MSRPD	mg/L		4.8%	≤20.0	
Antimony	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	95.2%	85-115	
			MS	ug/L	50.00	101%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	101%	75-125	
			MSRPD	ug/L		0.2%	≤20.0	
			MS	ug/L	50.00	97.6%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		6.5%	≤20.0	
Arsenic	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<2	
			LCS	ug/L	50.00	99.4%	85-115	
			MS	ug/L	50.00	102%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	105%	75-125	
			MSRPD	ug/L		2.5%	≤20	
			MS	ug/L	50.00	100%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	108%	75-125	
			MSRPD	ug/L		6.7%	≤20	
Barium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	96.7%	85-115	
			MS	ug/L	50.00	101%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	103%	75-125	
			MSRPD	ug/L		1.5%	≤20	
			MS	ug/L	50.00	97.5%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	108%	75-125	
			MSRPD	ug/L		2.9%	≤20	
Beryllium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	92.0%	85-115	
			MS	ug/L	50.00	94.8%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	95.7%	75-125	
			MSRPD	ug/L		0.9%	≤20	
			MS	ug/L	50.00	92.3%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	98.2%	75-125	
			MSRPD	ug/L		6.2%	≤20	
Cadmium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.2	
			LCS	ug/L	50.00	96.5%	85-115	
			MS	ug/L	50.00	103%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	104%	75-125	
			MSRPD	ug/L		0.9%	≤20.0	
			MS	ug/L	50.00	99.7%	75-125	

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February 20, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(STK2531095-001)	MSD	ug/L	50.00	102%	75-125	
			MSRPD	ug/L		1.1%	≤20.0	
Chromium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	98.9%	85-115	
			MS	ug/L	50.00	125%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	125%	75-125	
			MSRPD	ug/L		0.2%	≤20.0	
			MS	ug/L	50.00	130%	75-125	435
		(STK2531095-001)	MSD	ug/L	50.00	137%	75-125	435
			MSRPD	ug/L		2.4%	≤20.0	
Cobalt	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	98.6%	85-115	
			MS	ug/L	50.00	103%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	104%	75-125	
			MSRPD	ug/L		0.9%	≤20	
			MS	ug/L	50.00	99.5%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	107%	75-125	
			MSRPD	ug/L		6.8%	≤20	
Copper	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	98.2%	85-115	
			MS	ug/L	50.00	18.8%	<¼	406
		(SP 2501245-001)	MSD	ug/L	50.00	118%	75-125	
			MSRPD	ug/L		5.7%	≤20.0	
			MS	ug/L	50.00	-35.2%	75-125	435
		(STK2531095-001)	MSD	ug/L	50.00	-35.8%	75-125	435
			MSRPD	ug/L		0.4%	≤20.0	
Lead	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	96.2%	85-115	
			MS	ug/L	50.00	99.2%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	100%	75-125	
			MSRPD	ug/L		1.0%	≤20.0	
			MS	ug/L	50.00	97.8%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		5.3%	≤20.0	
Nickel	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	98.9%	85-115	
			MS	ug/L	50.00	123%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	121%	75-125	
			MSRPD	ug/L		1.6%	≤20	
			MS	ug/L	50.00	139%	<¼	406
		(STK2531095-001)	MSD	ug/L	50.00	149%	<1/4	
			MSRPD	ug/L		1.8%	≤20	
Selenium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<2	
			LCS	ug/L	50.00	102%	85-115	
			MS	ug/L	50.00	102%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	104%	75-125	
			MSRPD	ug/L		2.3%	≤20.0	
			MS	ug/L	50.00	95.0%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		10.6%	≤20.0	
Silver	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.25	

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February 20, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			LCS	ug/L	50.00	91.2%	85-115	
			MS	ug/L	50.00	35.8%	75-125	435
		(SP 2501245-001)	MSD	ug/L	50.00	25.7%	75-125	435
			MSRPD	ug/L		31.6%	≤20.0	435
			MS	ug/L	50.00	23.9%	75-125	435
		(STK2531095-001)	MSD	ug/L	50.00	22.0%	75-125	435
			MSRPD	ug/L		4.9%	≤20.0	
Thallium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	96.4%	85-115	
			MS	ug/L	50.00	100%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	103%	75-125	
			MSRPD	ug/L		2.3%	≤20	
			MS	ug/L	50.00	98.7%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		7.2%	≤20	
Vanadium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<2	
			LCS	ug/L	50.00	97.9%	85-115	
			MS	ug/L	50.00	104%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	105%	75-125	
			MSRPD	ug/L		1.5%	≤20	
			MS	ug/L	50.00	109%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	114%	75-125	
			MSRPD	ug/L		2.6%	≤20	
Zinc	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<10	
			LCS	ug/L	50.00	90.6%	85-115	
			MS	ug/L	50.00	49.7%	75-125	435
		(SP 2501245-001)	MSD	ug/L	50.00	92.6%	75-125	
			MSRPD	ug/L		10.5%	≤20	
			MS	ug/L	50.00	-201%	<¼	406
		(STK2531095-001)	MSD	ug/L	50.00	-157%	<1/4	
			MSRPD	ug/L		1.6%	≤20	
Mercury	245.1	01/29/2025:201039EJC	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2000	103%	85-115	
			MS	ug/L	0.2000	90.8%	75-125	
		(VI 2540568-001)	MSD	ug/L	0.2000	90.8%	75-125	
			MSRPD	ug/L		0.0%	≤20	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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February 20, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
PCB 1016	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	102%	22-128	
			BS	ug/L	2.500	73.0%	18-135	
			BSD	ug/L	2.500	95.2%	18-135	
			BSRPD	ug/L		26.4%	≤28	
PCB 1221	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤50.0	
PCB 1232	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤50.0	
PCB 1242	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	23-135	436
			BSD	ug/L	0.000	0.0%	23-135	436
			BSRPD	ug/L		0.0%	≤47.9	
PCB 1248	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤50.0	
PCB 1254	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤41.7	
PCB 1260	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	105%	15-141	
			BS	ug/L	2.500	94.8%	20-144	
			BSD	ug/L	2.500	109%	20-144	
			BSRPD	ug/L		14.1%	≤28	
Tetrachloro-m-xylene	8082A	01/28/2025:201002CTC	Blank	ug/L	0.5000	70.7%	14-157	
			LCS	ug/L	0.5000	68.8%	14-157	
			BS	ug/L	0.5000	65.8%	14-157	
			BSD	ug/L	0.5000	72.5%	30.0	
			BSRPD	ug/L		9.7%	≤30.0	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

Explanation

436 : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.

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February 20, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Phenols	420.1	02/09/2025:201420AMM	Blank	mg/L		ND	<0.1	
			LCS	mg/L	1.000	99.1%	85-105	
			MS	mg/L	1.000	91.2%	60-105	
		(CC 2580334-002)	MSD	mg/L	1.000	85.6%	60-105	
			MSRPD	mg/L		5.9%	≤19.1	
Cyanide, Total	4500CNCE	02/05/2025:201281AMM	Blank	mg/L		ND	<0.004	
			LCS	mg/L	0.1000	96.0%	90-110	
			LCS	mg/L	0.4000	95.1%	90-110	
			MS	mg/L	0.05000	111%	99-137	
		(VI 2540568-001)	MSD	mg/L	0.05000	105%	99-137	
			MSRPD	mg/L		5.4%	≤36	
Sulfide, Total	4500S D	01/29/2025:201059CTL	LCS	mg/L	0.6667	99.6%	75-125	
		(SP 2501197-001)	Dup	mg/L		10.2%	20	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

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February 21, 2025

Lab No. : SP 2501198
Customer No. : 2028560

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Laboratory Report

Introduction: This report package contains a total of 17 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(7 pages)	: Results for each sample submitted.
Quality Control	(8 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
South Basin - Western Inlet	01/26/2025	01/27/2025	SP 2501198-001	STM
South Basin - Eastern Inlet	01/26/2025	01/27/2025	SP 2501198-002	STM

Approved By: **Kelly A. Dunnahoo, B.S.** Digitally Signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2025-02-21

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
608/8081	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 200.8	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 245.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 420.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 8082	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-CN E	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-S D	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Discussion of Analytical Results:

Amended Note - 02/21/25 - Amended to include EPA 8081 results.

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

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February 21, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Antimony	0.00188	0.0005	0.00038	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Arsenic	0.00718	0.002	0.00042	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Barium	0.201	0.001	0.00027	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Beryllium	0.000741	0.0005	0.000082	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Cadmium	0.000389	0.0002	0.00011	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Chromium	0.0182	0.0005	0.00045	mg/L	1	h	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Cobalt	0.00772	0.001	0.000080	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Copper	0.0355	0.0005	0.00019	mg/L	1	hl	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Lead	0.0166	0.0005	0.00010	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Mercury	0.000034	0.00002	0.000008	mg/L	1		01/29/2025	11:00	ejc	EPA 245.1	01/30/2025	10:55	ejc
Nickel	0.0157	0.001	0.00050	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Selenium	0.00447	0.002	0.00051	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Silver	0.000446	0.00025	0.000072	mg/L	1	l	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Thallium	0.0000360	0.001	0.000024	mg/L	1	J	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Tin	ND	0.02	0.0025	mg/L	1	U	02/19/2025	05:00	ejc	EPA 200.7	02/19/2025	12:04	ac
Vanadium	0.0299	0.002	0.00061	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Zinc	0.0902	0.01	0.00042	mg/L	1	lh	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	17:17	ac
Wet Chemistry													
Cyanide, Total	0.000342	0.004	-0.00046	mg/L	1	J	02/05/2025	16:35	amm	SM 4500-CN E	02/06/2025	17:48	amm
Phenols	0.0783	0.1	0.070	mg/L	1	J	02/09/2025	18:57	amm	EPA 420.1	02/09/2025	23:03	amm
Sulfide, Total	0.0286	0.1	0.024	mg/L	1	J	01/29/2025	15:30	ctl	SM 4500-S D	01/29/2025	17:00	ctl

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
I The RPD for the laboratory duplicate exceeded laboratory criteria.

ND=Non-Detected, RL=Reporting Level.

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February 21, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Organic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 8081													
Tetrachloro-m-xylene ‡	33.3	5-124		%	0.9	I	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Aldrin	ND	0.0472	0.011	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Alpha BHC	ND	0.0472	0.0088	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Beta BHC	ND	0.0472	0.023	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Delta BHC	ND	0.0472	0.0094	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Gamma BHC (Lindane)	ND	0.0377	0.041	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Chlordane	ND	0.0943	0.085	ug/L	0.9	UI	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
alpha-Chlordane	ND	0.0472	0.018	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
gamma-Chlordane	ND	0.0472	0.022	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
4,4 - DDD	ND	0.0472	0.011	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
4,4 - DDE	ND	0.0472	0.011	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
4,4 - DDT	ND	0.0472	0.025	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/20/2025	18:32	sbl
Dieldrin	ND	0.0472	0.026	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Endosulfan I	ND	0.0472	0.010	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Endosulfan II	ND	0.0189	0.016	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Endosulfan Sulfate	ND	0.0472	0.0062	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Endrin	ND	0.0472	0.0083	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Endrin Aldehyde	ND	0.0283	0.0051	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Endrin Ketone	ND	0.0472	0.014	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Heptachlor	ND	0.0472	0.0068	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Heptachlor Epoxide	ND	0.0472	0.028	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
Methoxychlor	ND	0.0943	0.052	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/20/2025	18:32	sbl
Toxaphene	ND	0.472	0.11	ug/L	0.9	UI	01/28/2025	13:20	ctc	608/8081	02/04/2025	02:24	sbl
EPA 8082													
Tetrachloro-m-xylene ‡	31.7	14-157		%	0.9		01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1016/1242	ND	0.472	0.23	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1221	ND	0.472	0.32	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1232	ND	0.472	0.28	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1248	ND	0.472	0.23	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1254	ND	0.472	0.33	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1260	ND	0.472	0.13	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl
PCB 1242	ND	0.472	0.27	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	02:44	sbl

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DQF Flags Definition:
I The RPD for the laboratory duplicate exceeded laboratory criteria.
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

February 21, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Antimony	0.00356	0.0005	0.00038	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Arsenic	0.0485	0.002	0.00042	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Barium	0.928	0.005	0.0014	mg/L	5		01/29/2025	08:00	ejc	EPA 200.8	01/31/2025	12:30	ac
Beryllium	0.00667	0.0005	0.000082	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Cadmium	0.00906	0.0002	0.00011	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Chromium	0.0773	0.0005	0.00045	mg/L	1	h	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Cobalt	0.0714	0.001	0.000080	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Copper	0.301	0.0005	0.00019	mg/L	1	hl	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Lead	0.292	0.0005	0.00010	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Mercury	0.000409	0.00002	0.000008	mg/L	1		01/29/2025	11:00	ejc	EPA 245.1	01/30/2025	11:08	ejc
Nickel	0.103	0.001	0.00050	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Selenium	0.00392	0.002	0.00051	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Silver	0.00134	0.00025	0.000072	mg/L	1	l	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Thallium	0.000121	0.001	0.000024	mg/L	1	J	01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Tin	ND	0.02	0.0025	mg/L	1	U	02/19/2025	05:00	ejc	EPA 200.7	02/19/2025	12:11	ac
Vanadium	0.244	0.002	0.00061	mg/L	1		01/29/2025	08:00	ejc	EPA 200.8	01/30/2025	16:30	ac
Zinc	2.01	0.05	0.0021	mg/L	5	l	01/29/2025	08:00	ejc	EPA 200.8	01/31/2025	12:30	ac
Wet Chemistry													
Cyanide, Total	-0.000147	0.004	-0.00046	mg/L	1	J	02/05/2025	16:35	amm	SM 4500-CN E	02/06/2025	17:48	amm
Phenols	0.0854	0.1	0.070	mg/L	1	J	02/09/2025	18:57	amm	EPA 420.1	02/09/2025	23:03	amm
Sulfide, Total	0.0255	0.1	0.024	mg/L	1	J	01/29/2025	15:30	ctl	SM 4500-S D	01/29/2025	17:00	ctl

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
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February 21, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Organic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 8081													
Tetrachloro-m-xylene ‡	14.3	5-124		%	0.9	I	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Aldrin	ND	0.0472	0.011	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Alpha BHC	ND	0.0472	0.0088	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Beta BHC	ND	0.0472	0.023	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Delta BHC	ND	0.0472	0.0094	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Gamma BHC (Lindane)	ND	0.0377	0.041	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Chlordane	ND	0.0943	0.085	ug/L	0.9	UI	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
alpha-Chlordane	ND	0.0472	0.018	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
gamma-Chlordane	ND	0.0472	0.022	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
4,4 - DDD	ND	0.0472	0.011	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
4,4 - DDE	ND	0.0472	0.011	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
4,4 - DDT	ND	0.0472	0.025	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/20/2025	18:52	sbl
Dieldrin	ND	0.0472	0.026	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Endosulfan I	ND	0.0472	0.010	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Endosulfan II	ND	0.0189	0.016	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Endosulfan Sulfate	ND	0.0472	0.0062	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Endrin	ND	0.0472	0.0083	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Endrin Aldehyde	ND	0.0283	0.0051	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Endrin Ketone	ND	0.0472	0.014	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Heptachlor	ND	0.0472	0.0068	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Heptachlor Epoxide	ND	0.0472	0.028	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
Methoxychlor	ND	0.0943	0.052	ug/L	0.9	U	01/28/2025	13:20	ctc	608/8081	02/20/2025	18:52	sbl
Toxaphene	ND	0.472	0.11	ug/L	0.9	UI	01/28/2025	13:20	ctc	608/8081	02/04/2025	03:03	sbl
EPA 8082													
Tetrachloro-m-xylene ‡	13.4	14-157		%	0.9	L	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1016/1242	ND	0.472	0.23	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1221	ND	0.472	0.32	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1232	ND	0.472	0.28	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1248	ND	0.472	0.23	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1254	ND	0.472	0.33	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1260	ND	0.472	0.13	ug/L	0.9	U	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl
PCB 1242	ND	0.472	0.27	ug/L	0.9	UL	01/28/2025	13:50	ctc	EPA 8082	02/04/2025	03:22	sbl

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DQF Flags Definition:
I The RPD for the laboratory duplicate exceeded laboratory criteria.
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

February 21, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

Lab No. : SP 2501198-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Field Test

Constituent	Result	RL	Units	Note	Sample Preparation		Sample Analysis	
Field Test					Method	Date Time	Method	Date Time
pH (Field)	8.29		units			01/26/2025 15:30	4500HB	01/26/2025 15:30

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

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February 21, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Tin	200.7	02/19/2025:201839EJC	Blank	mg/L		ND	<0.02	
			LCS	mg/L	0.4800	96.3%	85-115	
			MS	mg/L	0.4800	95.4%	75-125	
		(STK2532201-001)	MSD	mg/L	0.4800	95.5%	75-125	
			MSRPD	mg/L		0.1%	≤20.0	
			MS	mg/L	0.4800	93.0%	75-125	
		(STK2532311-001)	MSD	mg/L	0.4800	97.6%	75-125	
			MSRPD	mg/L		4.8%	≤20.0	
Antimony	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	95.2%	85-115	
			MS	ug/L	50.00	101%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	101%	75-125	
			MSRPD	ug/L		0.2%	≤20.0	
			MS	ug/L	50.00	97.6%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		6.5%	≤20.0	
Arsenic	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<2	
			LCS	ug/L	50.00	99.4%	85-115	
			MS	ug/L	50.00	102%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	105%	75-125	
			MSRPD	ug/L		2.5%	≤20	
			MS	ug/L	50.00	100%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	108%	75-125	
			MSRPD	ug/L		6.7%	≤20	
Barium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	96.7%	85-115	
			MS	ug/L	50.00	101%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	103%	75-125	
			MSRPD	ug/L		1.5%	≤20	
			MS	ug/L	50.00	97.5%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	108%	75-125	
			MSRPD	ug/L		2.9%	≤20	
Beryllium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	92.0%	85-115	
			MS	ug/L	50.00	94.8%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	95.7%	75-125	
			MSRPD	ug/L		0.9%	≤20	
			MS	ug/L	50.00	92.3%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	98.2%	75-125	
			MSRPD	ug/L		6.2%	≤20	
Cadmium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.2	
			LCS	ug/L	50.00	96.5%	85-115	
			MS	ug/L	50.00	103%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	104%	75-125	
			MSRPD	ug/L		0.9%	≤20.0	
			MS	ug/L	50.00	99.7%	75-125	

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February 21, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(STK2531095-001)	MSD	ug/L	50.00	102%	75-125	
			MSRPD	ug/L		1.1%	≤20.0	
Chromium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	98.9%	85-115	
			MS	ug/L	50.00	125%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	125%	75-125	
			MSRPD	ug/L		0.2%	≤20.0	
			MS	ug/L	50.00	130%	75-125	435
		(STK2531095-001)	MSD	ug/L	50.00	137%	75-125	435
			MSRPD	ug/L		2.4%	≤20.0	
Cobalt	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	98.6%	85-115	
			MS	ug/L	50.00	103%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	104%	75-125	
			MSRPD	ug/L		0.9%	≤20	
			MS	ug/L	50.00	99.5%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	107%	75-125	
			MSRPD	ug/L		6.8%	≤20	
Copper	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	98.2%	85-115	
			MS	ug/L	50.00	18.8%	<¼	406
		(SP 2501245-001)	MSD	ug/L	50.00	118%	75-125	
			MSRPD	ug/L		5.7%	≤20.0	
			MS	ug/L	50.00	-35.2%	75-125	435
		(STK2531095-001)	MSD	ug/L	50.00	-35.8%	75-125	435
			MSRPD	ug/L		0.4%	≤20.0	
Lead	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	50.00	96.2%	85-115	
			MS	ug/L	50.00	99.2%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	100%	75-125	
			MSRPD	ug/L		1.0%	≤20.0	
			MS	ug/L	50.00	97.8%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		5.3%	≤20.0	
Nickel	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	98.9%	85-115	
			MS	ug/L	50.00	123%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	121%	75-125	
			MSRPD	ug/L		1.6%	≤20	
			MS	ug/L	50.00	139%	<¼	406
		(STK2531095-001)	MSD	ug/L	50.00	149%	<1/4	
			MSRPD	ug/L		1.8%	≤20	
Selenium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<2	
			LCS	ug/L	50.00	102%	85-115	
			MS	ug/L	50.00	102%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	104%	75-125	
			MSRPD	ug/L		2.3%	≤20.0	
			MS	ug/L	50.00	95.0%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		10.6%	≤20.0	
Silver	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<0.25	

February 21, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			LCS	ug/L	50.00	91.2%	85-115	
			MS	ug/L	50.00	35.8%	75-125	435
		(SP 2501245-001)	MSD	ug/L	50.00	25.7%	75-125	435
			MSRPD	ug/L		31.6%	≤20.0	435
			MS	ug/L	50.00	23.9%	75-125	435
		(STK2531095-001)	MSD	ug/L	50.00	22.0%	75-125	435
			MSRPD	ug/L		4.9%	≤20.0	
Thallium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<1	
			LCS	ug/L	50.00	96.4%	85-115	
			MS	ug/L	50.00	100%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	103%	75-125	
			MSRPD	ug/L		2.3%	≤20	
			MS	ug/L	50.00	98.7%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	106%	75-125	
			MSRPD	ug/L		7.2%	≤20	
Vanadium	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<2	
			LCS	ug/L	50.00	97.9%	85-115	
			MS	ug/L	50.00	104%	75-125	
		(SP 2501245-001)	MSD	ug/L	50.00	105%	75-125	
			MSRPD	ug/L		1.5%	≤20	
			MS	ug/L	50.00	109%	75-125	
		(STK2531095-001)	MSD	ug/L	50.00	114%	75-125	
			MSRPD	ug/L		2.6%	≤20	
Zinc	200.8	01/29/2025:201037EJC	Blank	ug/L		ND	<10	
			LCS	ug/L	50.00	90.6%	85-115	
			MS	ug/L	50.00	49.7%	75-125	435
		(SP 2501245-001)	MSD	ug/L	50.00	92.6%	75-125	
			MSRPD	ug/L		10.5%	≤20	
			MS	ug/L	50.00	-201%	<¼	406
		(STK2531095-001)	MSD	ug/L	50.00	-157%	<1/4	
			MSRPD	ug/L		1.6%	≤20	
Mercury	245.1	01/29/2025:201039EJC	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2000	103%	85-115	
			MS	ug/L	0.2000	90.8%	75-125	
		(VI 2540568-001)	MSD	ug/L	0.2000	90.8%	75-125	
			MSRPD	ug/L		0.0%	≤20	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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February 21, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Aldrin	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	85.4%	42-140	
			BS	ug/L	0.5000	80.6%	42-140	
			BSD	ug/L	0.5000	86.8%	42-140	
			BSRPD	ug/L		7.4%	≤35	
Alpha BHC	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	95.6%	37-140	
			BS	ug/L	0.5000	91.1%	37-140	
			BSD	ug/L	0.5000	96.1%	37-140	
			BSRPD	ug/L		5.3%	≤36	
alpha-Chlordane	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	93.4%	45-140	
			BS	ug/L	0.5000	91.3%	45-140	
			BSD	ug/L	0.5000	98.0%	45-140	
			BSRPD	ug/L		7.1%	≤35	
Beta BHC	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	95.6%	17-147	
			BS	ug/L	0.5000	89.6%	17-147	
			BSD	ug/L	0.5000	96.8%	17-147	
			BSRPD	ug/L		7.7%	≤44	
Chlordane	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.1	
Delta BHC	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	104%	19-140	
			BS	ug/L	0.5000	99.8%	19-140	
			BSD	ug/L	0.5000	108%	19-140	
			BSRPD	ug/L		7.5%	≤52	
Dieldrin	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	89.0%	36-146	
			BS	ug/L	0.5000	86.6%	49-118	
			BSD	ug/L	0.5000	93.5%	49-118	
			BSRPD	ug/L		7.6%	≤49	
Endosulfan I	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	91.6%	45-153	
			BS	ug/L	0.5000	89.5%	17-168	
			BSD	ug/L	0.5000	97.2%	17-168	
			BSRPD	ug/L		8.2%	≤28	
Endosulfan II	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.5000	92.2%	5-202	
			BS	ug/L	0.5000	88.2%	0-291	
			BSD	ug/L	0.5000	98.6%	0-291	
			BSRPD	ug/L		11.1%	≤53	
Endosulfan Sulfate	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	84.7%	26-144	
			BS	ug/L	0.5000	80.5%	47-128	
			BSD	ug/L	0.5000	92.2%	47-128	
			BSRPD	ug/L		13.4%	≤38	
Endrin	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	80.5%	51-130	
			BS	ug/L	0.5000	63.4%	43-132	
			BSD	ug/L	0.5000	83.5%	43-132	

February 21, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			BSRPD	ug/L		27.4%	≤48	
Endrin Aldehyde	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.03	
			LCS	ug/L	0.5000	76.8%	50-130	
			BS	ug/L	0.5000	75.8%	16-116	
			BSD	ug/L	0.5000	83.2%	16-116	
			BSRPD	ug/L		9.3%	≤40	
Endrin Ketone	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	103%	50-130	
			BS	ug/L	0.5000	104%	28-162	
			BSD	ug/L	0.5000	118%	28-162	
			BSRPD	ug/L		12.9%	≤40	
gamma-Chlordane	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	80.8%	45-140	
			BS	ug/L	0.5000	78.3%	45-140	
			BSD	ug/L	0.5000	84.9%	45-140	
			BSRPD	ug/L		8.0%	≤35	
Heptachlor	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	92.3%	34-140	
			BS	ug/L	0.5000	84.4%	34-140	
			BSD	ug/L	0.5000	96.8%	34-140	
			BSRPD	ug/L		13.6%	≤43	
Heptachlor Epoxide	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	85.5%	37-142	
			BS	ug/L	0.5000	84.4%	37-142	
			BSD	ug/L	0.5000	89.8%	37-142	
			BSRPD	ug/L		6.2%	≤26	
Lindane	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.04	
			LCS	ug/L	0.5000	97.6%	19-140	
			BS	ug/L	0.5000	89.8%	32-140	
			BSD	ug/L	0.5000	98.5%	32-140	
			BSRPD	ug/L		9.1%	≤39	
Methoxychlor	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.1	
			LCS	ug/L	0.5000	93.8%	23-142	
			BS	ug/L	0.5000	86.9%	51-126	
			BSD	ug/L	0.5000	105%	51-126	
			BSRPD	ug/L		18.2%	≤40	
p,p - DDD	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	80.0%	31-141	
			BS	ug/L	0.5000	76.7%	32-130	
			BSD	ug/L	0.5000	85.0%	32-130	
			BSRPD	ug/L		10.3%	≤39	
p,p - DDE	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	96.1%	30-145	
			BS	ug/L	0.5000	94.6%	13-133	
			BSD	ug/L	0.5000	100%	13-133	
			BSRPD	ug/L		5.7%	≤35	
p,p - DDT	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5000	92.7%	25-160	
			BS	ug/L	0.5000	86.5%	6-146	
			BSD	ug/L	0.5000	108%	6-146	
			BSRPD	ug/L		22.2%	≤42	

February 21, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Tetrachloro-m-xylene	608.3	01/28/2025:201001CTC	Blank	ug/L	0.5000	70.7%	5-124	
			LCS	ug/L	0.5000	80.7%	5-124	
			LCS	ug/L	0.5000	68.8%	5-124	
			BS	ug/L	0.5000	77.3%	26-141	
			BSD	ug/L	0.5000	79.2%	26-141	
			BSRPD	ug/L		2.4%	≤1	410
Toxaphene	608.3	01/28/2025:201001CTC	Blank	ug/L		ND	<0.5	
PCB 1016	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	102%	22-128	
			BS	ug/L	2.500	73.0%	18-135	
			BSD	ug/L	2.500	95.2%	18-135	
			BSRPD	ug/L		26.4%	≤28	
PCB 1221	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤50.0	
PCB 1232	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤50.0	
PCB 1242	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	23-135	436
			BSD	ug/L	0.000	0.0%	23-135	436
			BSRPD	ug/L		0.0%	≤47.9	
PCB 1248	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤50.0	
PCB 1254	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			BS	ug/L	0.000	0.0%	50-150	436
			BSD	ug/L	0.000	0.0%	50-150	436
			BSRPD	ug/L		0.0%	≤41.7	
PCB 1260	8082A	01/28/2025:201002CTC	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	105%	15-141	
			BS	ug/L	2.500	94.8%	20-144	
			BSD	ug/L	2.500	109%	20-144	
			BSRPD	ug/L		14.1%	≤28	
Tetrachloro-m-xylene	8082A	01/28/2025:201002CTC	Blank	ug/L	0.5000	70.7%	14-157	
			LCS	ug/L	0.5000	68.8%	14-157	
			BS	ug/L	0.5000	65.8%	14-157	
			BSD	ug/L	0.5000	72.5%	30.0	
			BSRPD	ug/L		9.7%	≤30.0	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

Explanation

410	:	Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
436	:	Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.

February 21, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501198
Customer No. : 2028560

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Phenols	420.1	02/09/2025:201420AMM	Blank	mg/L		ND	<0.1	
			LCS	mg/L	1.000	99.1%	85-105	
			MS	mg/L	1.000	91.2%	60-105	
		(CC 2580334-002)	MSD	mg/L	1.000	85.6%	60-105	
			MSRPD	mg/L		5.9%	≤19.1	
Cyanide, Total	4500CNCE	02/05/2025:201281AMM	Blank	mg/L		ND	<0.004	
			LCS	mg/L	0.1000	96.0%	90-110	
			LCS	mg/L	0.4000	95.1%	90-110	
			MS	mg/L	0.05000	111%	99-137	
		(VI 2540568-001)	MSD	mg/L	0.05000	105%	99-137	
			MSRPD	mg/L		5.4%	≤36	
Sulfide, Total	4500S D	01/29/2025:201059CTL	LCS	mg/L	0.6667	99.6%	75-125	
		(SP 2501197-001)	Dup	mg/L		10.2%	20	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

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CHAIN OF CUSTODY
www.fglinc.com

Laboratory Copy (1 of 2)

Client: Chiquita Canyon Landfill
Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 **Fax:**
Contact Person: Matt Breuer
Project Name: Chiquita Landfill - Appx II 2
Purchase Order Number:
Quote Number: SP 20241121-05

Sampler(s) BLANCA HOFFMEIER
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: SP 2501198 2-28560

6286:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 8270 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list*** ***Requires MDL Reporting**** 1000ml(AGT)	Sub Organic-EPA 8260 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list*** ***Requires MDL Reporting**** 40ml(GVT)-HCl	Sub Organic-EPA 8081 ***Requires MDL Reporting**** 1000ml(AGT)	Sub Organic-EPA 8082 ***Requires MDL Reporting**** 1000ml(AGT)	Sub Organic-EPA 8141 ***Requires MDL Reporting**** 1000ml(AGT)	Sub Organic-EPA 8151 ***Requires MDL Reporting**** 1000ml(AGT)	Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290 ***Requires MDL Reporting**** 1000ml(AGT)	Metals, Total-Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Hg,Ni,Se,Ag,Tl,Sn,V,Zn 250ml(P)-HNO3
1	South Basin - Western Inlet	1/26/25	9:30	G	STM				2	4	1	1	1	1	2	1
2	South Basin - Eastern Inlet	1/26/25	3:30	G	STM				2	4	1	1	1	1	2	1

Remarks: Multiple Chains

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
BLANCA Hoffmeier	1/27/25	9:45am						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
MC	1/27/25	9:45						

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182
Fax: (209) 942-0423

RCVD 1/4
TH268

Office & Laboratory
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 343-3807

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
Phone: (805) 783-2940
Fax: (805) 783-2912

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

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Laboratory Copy (1 of 2)

6286:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**

Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:

Contact Person: Matt Breuer

Project Name: **Chiquita Landfill - Appx II 2**

Purchase Order Number:

Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER
ISAAC HOFFMEIER

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501198 **2-28560**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-Cyanide 16oz(P)-NaOH	Wet Chemistry-Phenols 1000ml(AGT)-H2SO4	Wet Chemistry-Total Sulfide 16oz(P)-NaOH + Zinc Acetate	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time					
1	South Basin - Western Inlet	1/26/25	9:30 am	G	STM				1	1	1	"Error"	-	-					
2	South Basin - Eastern Inlet	1/26/25	3:30 pm	G	STM				1	1	1	8.29	1/26	3:45					

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	1/27/25	9:45						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
mc	1/27/25	9:45						

Corporate Offices & Laboratory
853 Corporation Street
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Fax: (209) 942-0423

PG 14 TH268

Office & Laboratory
563 E. Lindo
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Fax: (805) 783-2912

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9411 W. Goshen Avenue
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Phone: (559) 734-9473
Fax: (559) 734-8435

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to
Babcock Laboratories, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 8270 - Appendix II	***Report only the compounds on the 40CFR258 Appx II list***	***Requires MDL Reporting**** 1000ml(AGT)	Sub Organic-EPA 8151	***Requires MDL Reporting**** 1000ml(AGT)							
Sample Information									**Test Description(s)**											
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM					2			1							
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM					2			1							

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

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Stockton, CA 95215
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CA ELAP Certification No. 2670

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San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to
Zalco Laboratories, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 8260 - Appendix II	***Report only the compounds on the 40CFR258 Appx II list***	***Requires MDL Reporting*** 40ml(GVT)- HCl								
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM					4									
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM					4									

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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CA ELAP Certification No. 1573

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CA ELAP Certification No. 2775

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9411 W. Goshen Avenue
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TEL: (559)734-9473
CA ELAP Certification No. 2810

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to
Eurofins Calscience, Inc

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Test Description(s): Sub Organic-EPA 8141 ***Requires MDL Reporting**** 1000ml(AGT)								
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				1								
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				1								

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

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CA ELAP Certification No. 2775

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Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to
Ceres Analytical Laboratory, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Test Description(s): Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290 ***Requires MDL Reporting**** 1000ml(AGT)
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				2
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				2

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

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CA ELAP Certification No. 2775

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Subject: Re: VOA Headspace for 2501198 & 2501197
From: Matt Breuer <Matt.Breuer@WasteConnections.com>
Date: 1/28/2025, 7:34 AM
To: Matthew Casas <matthewc@fglinc.com>
CC: Login Santa Paula <loginsp@fglinc.com>

Thank you again for the notice. Please proceed with analysis.

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

From: Matthew Casas <matthewc@fglinc.com>
Sent: Monday, January 27, 2025 12:37 PM
To: Matt Breuer <Matt.Breuer@WasteConnections.com>
Cc: Login Santa Paula <loginsp@fglinc.com>
Subject: VOA Headspace for 2501198 & 2501197

Hello Matt,
Attached are the COCs for the affected projects.
2501197 Chiquita Cyn Landfill-MPars 2: 624.1 40ml VOAs had too much headspace. The chemist can proceed with this but the results will be biased low.
2501198 Chiquita Landfill - App II 2: 8260 40ml VOAs had too much headspace. The sub-lab will make the determination of how biased these results will be due to the headspace.

Please let me know how you would like to proceed with these.
Also, Blanca had mentioned that she thought some sample containers were missing but all containers and labels are accounted for.

--
Regards,
Matthew Casas
Sample Receiving
Fruit Growers Laboratory
805-392-2017

Condition Upon Receipt (Attach to COC) SP 2501198

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH268**
4. Were samples received on Ice? **Yes** **No** Temps: **ROI** / **14C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **[No]** **N/A**
7. Verify sample date, time, sampler **[Yes]** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **[Yes]** **No**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **[Yes]** **No**
2. Did bottle labels correspond with the client's ID's? **[Yes]** **No**
3. Were all bottles requiring sample preservation properly preserved? **[Yes]** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **[No]** **N/A**
5. Were all analyses within holding times at time of receipt? **[Yes]** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **[N/A]**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/28/2025-09:41:34

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: Matt Breuer Phone Number: _____
   Initiated By: MDC Date: _____
   Problem: **Spare Dioxin containers not received. Significant headspace in 8260 VOAs.**

   Resolution: **Enough volume to proceed with Dioxin. Matt approved proceeding with 8260.**

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
SP 2501198
MDC-01/28/2025-09:41:34

February 3, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Subject: Subcontract Analysis for FGL Lab No. SP 2501197

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-1,4, Dioxane by 8270

Please note that this analysis was performed by Eurofins Calscience, Inc

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-03

Enclosure

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Aguirre
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Generated 1/31/2025 9:44:07 PM

JOB DESCRIPTION

SP 2501197

JOB NUMBER

570-215849-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization

Generated
1/31/2025 9:44:07 PM

Authorized for release by
Allyson Chapman, Project Manager I
Allyson.Chapman@et.eurofinsus.com
(714)895-5494

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-215849-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/29/2025 1:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

GC/MS Semi VOA
Method 8270C_SIM_ID_LL: A portion of the following samples were used for analysis, rather than testing the entire sample amount in the original container, due to the sample container was not the appropriate size: South Basin-Western Inlet (570-215849-1), South Basin-Eastern Inlet (570-215849-2), (570-215849-A-2 MS) and (570-215849-A-2 MSD). As such, the required solvent rinse of the original container could not be performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

Client Sample ID: South Basin-Western Inlet — Lab Sample ID: 570-215849-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3.0		0.10	0.087	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: South Basin-Eastern Inlet — Lab Sample ID: 570-215849-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method: SW846 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Client Sample ID: South Basin-Western Inlet
Date Collected: 01/26/25 09:30
Date Received: 01/29/25 13:13

Lab Sample ID: 570-215849-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**3.0**		0.10	0.087	ug/L		01/30/25 13:55	01/30/25 19:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*21 - 120*	*01/30/25 13:55*	*01/30/25 19:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*116*		*41 - 167*	*01/30/25 13:55*	*01/30/25 19:49*	*1*

Client Sample ID: South Basin-Eastern Inlet
Date Collected: 01/26/25 15:30
Date Received: 01/29/25 13:13

Lab Sample ID: 570-215849-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.10	0.087	ug/L		01/30/25 13:55	01/30/25 20:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*21 - 120*	*01/30/25 13:55*	*01/30/25 20:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*110*		*41 - 167*	*01/30/25 13:55*	*01/30/25 20:03*	*1*

Surrogate Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		NBZ
Lab Sample ID	Client Sample ID	(41-167)
570-215849-1	South Basin-Western Inlet	116
570-215849-2	South Basin-Eastern Inlet	110
570-215849-2 MS	South Basin-Eastern Inlet	119
570-215849-2 MSD	South Basin-Eastern Inlet	112
LCS 570-528213/2-A	Lab Control Sample	126
LCSD 570-528213/3-A	Lab Control Sample Dup	126
MB 570-528213/1-A	Method Blank	140

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

Isotope Dilution Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)
		DXE
Lab Sample ID	Client Sample ID	(21-120)
570-215849-1	South Basin-Western Inlet	39
570-215849-2	South Basin-Eastern Inlet	30
570-215849-2 MS	South Basin-Eastern Inlet	35
570-215849-2 MSD	South Basin-Eastern Inlet	27
LCS 570-528213/2-A	Lab Control Sample	34
LCSD 570-528213/3-A	Lab Control Sample Dup	32
MB 570-528213/1-A	Method Blank	32

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-528213/1-A
Matrix: Water
Analysis Batch: 528178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.10	0.087	ug/L		01/30/25 13:54	01/30/25 16:46	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*32*		*21 - 120*	*01/30/25 13:54*	*01/30/25 16:46*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*140*		*41 - 167*	*01/30/25 13:54*	*01/30/25 16:46*	*1*

Lab Sample ID: LCS 570-528213/2-A
Matrix: Water
Analysis Batch: 528178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528213

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			20.0	23.64		ug/L		118	51 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*34*		*21 - 120*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*126*		*41 - 167*

Lab Sample ID: LCSD 570-528213/3-A
Matrix: Water
Analysis Batch: 528178

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528213

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			20.0	23.52		ug/L		118	51 - 140	1	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*32*		*21 - 120*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*126*		*41 - 167*

Lab Sample ID: 570-215849-2 MS
Matrix: Water
Analysis Batch: 528178

Client Sample ID: South Basin-Eastern Inlet
Prep Type: Total/NA
Prep Batch: 528213

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	ND		20.0	24.40		ug/L		122	51 - 139		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*35*		*21 - 120*

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*119*		*41 - 167*

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: 570-215849-2 MSD
Matrix: Water
Analysis Batch: 528178

Client Sample ID: South Basin-Eastern Inlet
Prep Type: Total/NA
Prep Batch: 528213

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		20.0	24.86		ug/L		124	51 - 139	2	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*27*		*21 - 120*

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*112*		*41 - 167*

QC Association Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

GC/MS Semi VOA

Analysis Batch: 528178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215849-1	South Basin-Western Inlet	Total/NA	Water	8270C SIM ID	528213
570-215849-2	South Basin-Eastern Inlet	Total/NA	Water	8270C SIM ID	528213
MB 570-528213/1-A	Method Blank	Total/NA	Water	8270C SIM ID	528213
LCS 570-528213/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	528213
LCSD 570-528213/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	528213
570-215849-2 MS	South Basin-Eastern Inlet	Total/NA	Water	8270C SIM ID	528213
570-215849-2 MSD	South Basin-Eastern Inlet	Total/NA	Water	8270C SIM ID	528213

Prep Batch: 528213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215849-1	South Basin-Western Inlet	Total/NA	Water	3510C	
570-215849-2	South Basin-Eastern Inlet	Total/NA	Water	3510C	
MB 570-528213/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-528213/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-528213/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-215849-2 MS	South Basin-Eastern Inlet	Total/NA	Water	3510C	
570-215849-2 MSD	South Basin-Eastern Inlet	Total/NA	Water	3510C	

Lab Chronicle

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

Client Sample ID: South Basin-Western Inlet

Lab Sample ID: 570-215849-1

Date Collected: 01/26/25 09:30

Matrix: Water

Date Received: 01/29/25 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			100 mL	10 mL	528213	01/30/25 13:55	TR8L	EET CAL 4
Total/NA	Analysis	8270C SIM ID		1	1 mL	1 mL	528178	01/30/25 19:49	PQS1	EET CAL 4
	Instrument ID: GCMS99									

Client Sample ID: South Basin-Eastern Inlet

Lab Sample ID: 570-215849-2

Date Collected: 01/26/25 15:30

Matrix: Water

Date Received: 01/29/25 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			100 mL	10 mL	528213	01/30/25 13:55	TR8L	EET CAL 4
Total/NA	Analysis	8270C SIM ID		1	1 mL	1 mL	528178	01/30/25 20:03	PQS1	EET CAL 4
	Instrument ID: GCMS99									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
8270C SIM ID	3510C	Water	1,4-Dioxane	
Oregon	NELAP		4175	02-02-25

Method Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

Method	Method Description	Protocol	Laboratory
8270C SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-215849-1	South Basin-Western Inlet	Water	01/26/25 09:30	01/29/25 13:13
570-215849-2	South Basin-Eastern Inlet	Water	01/26/25 15:30	01/29/25 13:13

FGL ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Loc: 570
215849

Subcontract to Eurofins Calscience, Inc

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501197**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Sample Information / **Test Description(s)**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT)	Replace(RPL) Other(O) Special(SPL)	Sub Organic-1,4, Dioxane by 8270 ***Requires MDL Reporting**** 1000ml(AGT)								
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM					1								
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM					1								

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
[illegible]	1/28/25	17:00						
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
UPS			[signature] EC	1/29/25	1313			

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2.4/2.65c/4

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UV6P

BRANDON QUELL
(805) 392-2000
FRUIT GROWERS LAB
853 CORPORATION ST.
SANTA PAULA CA 93060

36 LBS

SHIP TO:

ATTN: SAMPLE RECEIVING
EUROFINS CAL SCIENCE
2841 DOW AVENUE, #100
TUSTIN CA 92780

CA 927 9-08

UPS GROUND

TRACKING #: 1Z 992 031 03 6083 6077

BILLING: P/P

REF 1:1/28/25-AV

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 570-215849-1

Login Number: 215849

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

February 18, 2025

Lab No. : SP 2501197
Customer No. : 2028560

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Laboratory Report

Introduction: This report package contains a total of 26 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(8 pages)	: Results for each sample submitted.
Quality Control	(16 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
South Basin - Western Inlet	01/26/2025	01/27/2025	SP 2501197-001	STM
South Basin - Eastern Inlet	01/26/2025	01/27/2025	SP 2501197-002	STM

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times except those as listed in the table below. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Samples Over Hold Time

Lab No	Analyte Method	Maximum Hold Time	Actual Hold Time
SP 2501197-001	Carbon Dioxide	24 hours	533.8 hours
SP 2501197-001	pH	15 minutes	11,838.0 minutes
SP 2501197-002	Carbon Dioxide	24 hours	527.8 hours

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
4500COC	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 300.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 624.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-S D	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 5220 D	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 5310 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

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Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: MEP

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-18

Page 2 of 26

February 18, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-MPars

Lab No. : SP 2501197-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Boron	0.162	0.05	0.0094	mg/L	1		01/31/2025	07:00	ejc	EPA 200.7	02/03/2025	15:30	ac
Calcium	83.3	1	0.076	mg/L	1		01/31/2025	07:00	ejc	EPA 200.7	02/03/2025	15:30	ac
Magnesium	11.4	1	0.037	mg/L	1		01/31/2025	07:00	ejc	EPA 200.7	02/03/2025	15:30	ac
Manganese	0.443	0.01	0.00064	mg/L	1		01/31/2025	07:00	ejc	EPA 200.7	02/03/2025	15:30	ac
Potassium	8.11	1	0.087	mg/L	1		01/31/2025	07:00	ejc	EPA 200.7	02/03/2025	15:30	ac
Sodium	60.2	1	0.17	mg/L	1		01/31/2025	07:00	ejc	EPA 200.7	02/03/2025	15:30	ac
Wet Chemistry													
Alkalinity (as CaCO3)	93.1	10	1.1	mg/L	1		02/03/2025	14:48	amm	SM 2320 B	02/04/2025	05:35	amm
Bicarbonate	114	10	1.1	mg/L	1		02/03/2025	14:48	amm	SM 4500-H+B	02/04/2025	05:35	amm
Carbonate	ND	10	1.1	mg/L	1	U	02/03/2025	14:48	amm	SM 4500-H+B	02/04/2025	05:35	amm
Hydroxide	ND	10	1.1	mg/L	1	U	02/03/2025	14:48	amm	SM 4500-H+B	02/04/2025	05:35	amm
Bromide	0.269	0.03	0.0040	mg/L	1		01/31/2025	09:48	ldm	EPA 300.0	02/01/2025	05:12	ldm
Carbon Dioxide	11	1		mg/L	1	T	02/17/2025	15:18	amm	4500COC	02/17/2025	15:41	amm
COD	185	20	18	mg/L	1		02/03/2025	11:11	jcg	SM 5220 D	02/03/2025	13:45	jcg
Specific Conductance	602	1	0.56	umhos/cm	1		02/03/2025	14:48	amm	SM 2510 B	02/04/2025	05:35	amm
Fluoride	0.465	0.1	0.0010	mg/L	1		01/31/2025	09:48	ldm	EPA 300.0	02/01/2025	05:12	ldm
Nitrate Nitrogen	1.03	0.4	0.034	mg/L	1		02/07/2025	10:30	mm1	SM 4500-NO3 F	02/07/2025	11:43	mm1
pH	7.2	---		units	1	T	02/03/2025	14:48	amm	SM 4500-H+B	02/04/2025	05:35	amm
Total Dissolved Solids (TFR)	385	20	19	mg/L	1		01/28/2025	12:30	ctl	SM 2540 C	01/29/2025	12:10	ctl
Sulfate	137	0.5	0.28	mg/L	1		01/31/2025	09:48	ldm	EPA 300.0	02/01/2025	05:12	ldm
Sulfide, Total	0.0317	0.1	0.024	mg/L	1	J	01/29/2025	15:30	ctl	SM 4500-S D	01/29/2025	17:00	ctl

DQF Flags Definition:
U Constituent results were non-detect.
T Exceeded method/regulatory-specific holding time.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.

ND=Non-Detected, RL=Reporting Level.

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February 18, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-MPars

Lab No. : SP 2501197-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Organic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 624.1													
4-Bromofluorobenzene ‡	104	64-135		%	1		01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Fluorobenzene ‡	96.0	56-154		%	1		01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Pentafluorobenzene ‡	105	54-168		%	1		01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Acetone	24.7	25	3.6	ug/L	1	J	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Acrolein	ND	5	2.5	ug/L	1	Ul	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:31	sbl
Acrylonitrile	ND	2	0.70	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:31	sbl
Benzene	ND	0.5	0.30	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Bromodichloromethane	ND	0.5	0.28	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Bromoform	ND	0.5	0.35	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Bromomethane	ND	0.5	0.43	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Chloromethane	ND	0.5	0.26	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Halomethanes, sum	ND	0.5		ug/L			01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
2-Butanone (MEK)	10.3	40	2.4	ug/L	1	J	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Carbon Disulfide	ND	10	1.1	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Carbon Tetrachloride	ND	0.5	0.24	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Chlorobenzene	ND	0.5	0.14	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Chloroethane	ND	0.5	0.20	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
2-Chloroethylvinyl ether	ND	1	0.29	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:31	sbl
Chloroform	ND	0.5	0.19	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Dibromochloromethane	ND	0.5	0.43	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,2-Dichlorobenzene	ND	0.5	0.10	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,3-Dichlorobenzene	ND	0.5	0.10	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Dichlorobenzenes, sum	ND	0.5		ug/L			01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,4-Dichlorobenzene	ND	0.5	0.12	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,1-Dichloroethane	ND	0.5	0.20	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,2-Dichloroethane	ND	0.5	0.16	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,1-Dichloroethylene	ND	0.5	0.40	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
trans-1,2-Dichloroethylene	ND	0.5	0.20	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,2-Dichloropropane	ND	0.5	0.40	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
cis-1,3-Dichloropropene	ND	0.5	0.17	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
trans-1,3-Dichloropropene	ND	0.5	0.43	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,3-Dichloropropene (Total)	ND	0.5		ug/L			01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Ethyl Benzene	ND	0.5	0.17	ug/L	1	UH	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
2-Hexanone	ND	30	4.9	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl

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4-Methyl-2-pentanone (MIBK)	ND	30	1.3	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Methylene Chloride	ND	0.5	0.16	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Methyl tert-Butyl Ether (MTBE)	ND	5	0.32	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Styrene	ND	0.5	0.18	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,1,2,2-Tetrachloroethane	ND	0.5	0.25	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Tetrachloroethylene	ND	0.5	0.45	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Toluene	ND	0.5	0.41	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,1,1-Trichloroethane	ND	0.5	0.19	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
1,1,2-Trichloroethane	ND	0.5	0.26	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Trichloroethylene	ND	0.5	0.15	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Trichlorofluoromethane	ND	1	0.26	ug/L	1	Uh	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Vinyl Acetate	ND	10	5.9	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Vinyl Chloride	ND	0.5	0.13	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Xylenes m,p	ND	1	0.41	ug/L	1	UH	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Xylenes o	ND	0.5	0.12	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
Xylenes	ND	1		ug/L			01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	22:03	sbl
TOC													
TOC	57.1	30	17	mg/L	100		01/29/2025	15:52	amm	SM 5310 C	01/30/2025	07:47	amm

DQF Flags Definition:
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.
H The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
h The MS/MSD did not meet QC criteria.

February 18, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-MPars

Lab No. : SP 2501197-001
Customer No. : 2028560

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Field Test

Constituent	Result	RL	Units	Note	Sample Preparation		Sample Analysis	
Field Test					Method	Date Time	Method	Date Time
Turbidity	3063		NTU			01/26/2025 09:30	2130B	01/26/2025 09:30

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

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February 18, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-MPars

Lab No. : SP 2501197-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Inorganic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Boron	0.701	0.25	0.047	mg/L	5		02/04/2025	09:00	ejc	EPA 200.7	02/05/2025	19:42	ac
Calcium	1740	5	0.38	mg/L	5	l	02/04/2025	09:00	ejc	EPA 200.7	02/05/2025	19:42	ac
Magnesium	269	5	0.19	mg/L	5		02/04/2025	09:00	ejc	EPA 200.7	02/05/2025	19:42	ac
Manganese	15.3	0.05	0.0032	mg/L	5		02/04/2025	09:00	ejc	EPA 200.7	02/05/2025	19:42	ac
Potassium	112	5	0.44	mg/L	5		02/04/2025	09:00	ejc	EPA 200.7	02/05/2025	19:42	ac
Sodium	168	5	0.85	mg/L	5		02/04/2025	09:00	ejc	EPA 200.7	02/05/2025	19:42	ac
Wet Chemistry													
Alkalinity (as CaCO3)	94.1	10	1.1	mg/L	1		02/03/2025	14:48	amm	SM 2320 B	02/04/2025	05:45	amm
Bicarbonate	115	10	1.1	mg/L	1		02/03/2025	14:48	amm	SM 4500-H+B	02/04/2025	05:45	amm
Carbonate	ND	10	1.1	mg/L	1	U	02/03/2025	14:48	amm	SM 4500-H+B	02/04/2025	05:45	amm
Hydroxide	ND	10	1.1	mg/L	1	U	02/03/2025	14:48	amm	SM 4500-H+B	02/04/2025	05:45	amm
Bromide	0.269	0.03	0.0040	mg/L	1		01/31/2025	11:42	ldm	EPA 300.0	02/01/2025	07:23	ldm
Carbon Dioxide	17	1		mg/L	1	T	02/17/2025	15:18	amm	4500COC	02/17/2025	15:41	amm
COD	2450	100	90	mg/L	5		02/03/2025	11:11	jcg	SM 5220 D	02/03/2025	13:45	jcg
Specific Conductance	1260	1	0.56	umhos/cm	1		02/03/2025	14:48	amm	SM 2510 B	02/04/2025	05:45	amm
Fluoride	0.312	0.1	0.0010	mg/L	1		01/31/2025	11:42	ldm	EPA 300.0	02/01/2025	07:23	ldm
Nitrate Nitrogen	1.27	0.4	0.034	mg/L	1		02/11/2025	11:50	mm1	SM 4500-NO3 F	02/11/2025	13:39	mm1
Total Dissolved Solids (TFR)	901	20	19	mg/L	1		01/28/2025	12:30	ctl	SM 2540 C	01/29/2025	12:10	ctl
Sulfate	445	2	1.1	mg/L	4		01/31/2025	11:42	ldm	EPA 300.0	02/01/2025	22:17	ldm
Sulfide, Total	0.0271	0.1	0.024	mg/L	1	J	01/29/2025	15:30	ctl	SM 4500-S D	01/29/2025	17:00	ctl

DQF Flags Definition:
l The MS/MSD did not meet QC criteria.
U Constituent results were non-detect.
T Exceeded method/regulatory-specific holding time.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
h The MS/MSD did not meet QC criteria.

ND=Non-Detected, RL=Reporting Level. ‡ Surrogate.

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February 18, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-MPars

Lab No. : SP 2501197-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Organic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 624.1													
4-Bromofluorobenzene ‡	93.8	64-135		%	1	hl	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Fluorobenzene ‡	99.0	56-154		%	1		02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Pentafluorobenzene ‡	101	54-168		%	1		02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Acetone	16.6	25	3.6	ug/L	1	J	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Acrolein	ND	5	2.5	ug/L	1	Ul	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	23:25	sbl
Acrylonitrile	ND	2	0.70	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	23:25	sbl
Benzene	ND	0.5	0.30	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Bromodichloromethane	ND	0.5	0.28	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Bromoform	ND	0.5	0.35	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Bromomethane	ND	0.5	0.43	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Chloromethane	ND	0.5	0.26	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Halomethanes, sum	ND	0.5		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
2-Butanone (MEK)	ND	40	2.4	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Carbon Disulfide	ND	10	1.1	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Carbon Tetrachloride	ND	0.5	0.24	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Chlorobenzene	ND	0.5	0.14	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Chloroethane	ND	0.5	0.20	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
2-Chloroethylvinyl ether	ND	1	0.29	ug/L	1	U	01/30/2025	15:00	sbl	EPA 624.1	01/30/2025	23:25	sbl
Chloroform	ND	0.5	0.19	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Dibromochloromethane	ND	0.5	0.43	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,2-Dichlorobenzene	ND	0.5	0.10	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,3-Dichlorobenzene	ND	0.5	0.10	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Dichlorobenzenes, sum	ND	0.5		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,4-Dichlorobenzene	0.187	0.5	0.12	ug/L	1	J	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,1-Dichloroethane	ND	0.5	0.20	ug/L	1	Ul	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,2-Dichloroethane	ND	0.5	0.16	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,1-Dichloroethylene	ND	0.5	0.40	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
trans-1,2-Dichloroethylene	ND	0.5	0.20	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,2-Dichloropropane	ND	0.5	0.40	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
cis-1,3-Dichloropropene	ND	0.5	0.17	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
trans-1,3-Dichloropropene	ND	0.5	0.43	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,3-Dichloropropene (Total)	ND	0.5		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Ethyl Benzene	0.240	0.5	0.17	ug/L	1	J	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
2-Hexanone	ND	30	4.9	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl

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4-Methyl-2-pentanone (MIBK)	1.97	30	1.3	ug/L	1	J	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Methylene Chloride	ND	0.5	0.16	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Methyl tert-Butyl Ether (MTBE)	ND	5	0.32	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Styrene	ND	0.5	0.18	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,1,2,2-Tetrachloroethane	ND	0.5	0.25	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Tetrachloroethylene	ND	0.5	0.45	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Toluene	ND	0.5	0.41	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,1,1-Trichloroethane	ND	0.5	0.19	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
1,1,2-Trichloroethane	ND	0.5	0.26	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Trichloroethylene	ND	0.5	0.15	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Trichlorofluoromethane	ND	1	0.26	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Vinyl Acetate	ND	10	5.9	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Vinyl Chloride	ND	0.5	0.13	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Xylenes m,p	0.738	1	0.41	ug/L	1	J	02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Xylenes o	0.561	0.5	0.12	ug/L	1		02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
Xylenes	1.30	1		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/04/2025	23:44	sbl
TOC													
TOC	50.9	30	17	mg/L	100		01/29/2025	15:52	amm	SM 5310 C	01/30/2025	08:48	amm

DQF Flags Definition:
- h The MS/MSD did not meet QC criteria.
- l The MS/MSD did not meet QC criteria.
- J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
- U Constituent results were non-detect.

February 18, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-MPars

Lab No. : SP 2501197-002
Customer No. : 2028560

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

Sample Results - Field Test

Constituent	Result	RL	Units	Note	Sample Preparation		Sample Analysis	
Field Test					Method	Date Time	Method	Date Time
pH (Field)	8.29		units			01/26/2025 15:30	4500HB	01/26/2025 15:30
Turbidity	Overrange		NTU			01/26/2025 15:30	2130B	01/26/2025 15:30
Temperature	11.3		°C			01/26/2025 15:30	2550B	01/26/2025 15:30

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

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CA ELAP Certification No. 2810

February 18, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501197
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Boron	200.7	01/31/2025:201154EJC	Blank	mg/L		ND	<0.05	
			LCS	mg/L	4.000	101%	85-115	
			MS	mg/L	4.000	105%	75-125	
		(VI 2540715-001)	MSD	mg/L	4.000	109%	75-125	
			MSRPD	mg/L		3.8%	≤20.0	
			MS	mg/L	4.000	104%	75-125	
		(VI 2540607-001)	MSD	mg/L	4.000	107%	75-125	
			MSRPD	mg/L		2.7%	≤20.0	
	200.7	02/04/2025:201252EJC	Blank	mg/L		ND	<0.05	
			LCS	mg/L	4.000	105%	85-115	
			MS	mg/L	4.000	113%	75-125	
		(VI 2540763-003)	MSD	mg/L	4.000	102%	75-125	
			MSRPD	mg/L		10.9%	≤20.0	
			MS	mg/L	4.000	113%	75-125	
		(VI 2540763-002)	MSD	mg/L	4.000	109%	75-125	
			MSRPD	mg/L		3.8%	≤20.0	
Calcium	200.7	01/31/2025:201154EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	101%	85-115	
			MS	mg/L	12.00	147%	<¼	406
		(VI 2540715-001)	MSD	mg/L	12.00	135%	<1/4	
			MSRPD	mg/L		1.9%	≤20.0	
			MS	mg/L	12.00	102%	75-125	
		(VI 2540607-001)	MSD	mg/L	12.00	93.8%	75-125	
			MSRPD	mg/L		1.1%	≤20.0	
	200.7	02/04/2025:201252EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	106%	85-115	
			MS	mg/L	12.00	121%	75-125	
		(VI 2540763-003)	MSD	mg/L	12.00	70.0%	75-125	435
			MSRPD	mg/L		11.8%	≤20.0	
			MS	mg/L	12.00	125%	75-125	
		(VI 2540763-002)	MSD	mg/L	12.00	106%	75-125	
			MSRPD	mg/L		7.5%	≤20.0	
Magnesium	200.7	01/31/2025:201154EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	103%	85-115	
			MS	mg/L	12.00	124%	75-125	
		(VI 2540715-001)	MSD	mg/L	12.00	120%	75-125	
			MSRPD	mg/L		1.1%	≤20	
			MS	mg/L	12.00	104%	75-125	
		(VI 2540607-001)	MSD	mg/L	12.00	102%	75-125	
			MSRPD	mg/L		0.5%	≤20	
	200.7	02/04/2025:201252EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	110%	85-115	
			MS	mg/L	12.00	118%	75-125	
		(VI 2540763-003)	MSD	mg/L	12.00	93.2%	75-125	
			MSRPD	mg/L		11.7%	≤20	
			MS	mg/L	12.00	119%	75-125	

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February 18, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501197
Customer No. : 2028560

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(VI 2540763-002)	MSD	mg/L	12.00	108%	75-125	
			MSRPD	mg/L		6.3%	≤20	
Manganese	200.7	01/31/2025:201154EJC	Blank	mg/L		ND	<0.01	
			LCS	mg/L	0.8000	103%	85-115	
			MS	mg/L	0.8000	105%	75-125	
		(VI 2540715-001)	MSD	mg/L	0.8000	107%	75-125	
			MSRPD	mg/L		2.1%	≤20.0	
			MS	mg/L	0.8000	105%	75-125	
		(VI 2540607-001)	MSD	mg/L	0.8000	108%	75-125	
			MSRPD	mg/L		2.9%	≤20.0	
	200.7	02/04/2025:201252EJC	Blank	mg/L		ND	<0.01	
			LCS	mg/L	0.8000	109%	85-115	
			MS	mg/L	0.8000	114%	75-125	
		(VI 2540763-003)	MSD	mg/L	0.8000	101%	75-125	
			MSRPD	mg/L		11.4%	≤20.0	
			MS	mg/L	0.8000	113%	75-125	
		(VI 2540763-002)	MSD	mg/L	0.8000	107%	75-125	
			MSRPD	mg/L		5.1%	≤20.0	
Potassium	200.7	01/31/2025:201154EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	101%	85-115	
			MS	mg/L	12.00	107%	75-125	
		(VI 2540715-001)	MSD	mg/L	12.00	109%	75-125	
			MSRPD	mg/L		1.4%	≤20.0	
			MS	mg/L	12.00	105%	75-125	
		(VI 2540607-001)	MSD	mg/L	12.00	108%	75-125	
			MSRPD	mg/L		2.2%	≤20.0	
	200.7	02/04/2025:201252EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	108%	85-115	
			MS	mg/L	12.00	115%	75-125	
		(VI 2540763-003)	MSD	mg/L	12.00	100%	75-125	
			MSRPD	mg/L		11.3%	≤20.0	
			MS	mg/L	12.00	113%	75-125	
		(VI 2540763-002)	MSD	mg/L	12.00	107%	75-125	
			MSRPD	mg/L		4.9%	≤20.0	
Sodium	200.7	01/31/2025:201154EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	101%	85-115	
			MS	mg/L	12.00	171%	<¼	406
		(VI 2540715-001)	MSD	mg/L	12.00	151%	<1/4	
			MSRPD	mg/L		2.1%	≤20.0	
			MS	mg/L	12.00	103%	75-125	
		(VI 2540607-001)	MSD	mg/L	12.00	94.5%	75-125	
			MSRPD	mg/L		1.3%	≤20.0	
	200.7	02/04/2025:201252EJC	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	108%	85-115	
			MS	mg/L	12.00	118%	75-125	
		(VI 2540763-003)	MSD	mg/L	12.00	83.1%	75-125	
			MSRPD	mg/L		11.3%	≤20.0	
			MS	mg/L	12.00	159%	<¼	406
		(VI 2540763-002)	MSD	mg/L	12.00	105%	75-125	
			MSRPD	mg/L		7.9%	≤20.0	

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Definition		
Blank	:	Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO	:	Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS	:	Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	:	Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	:	Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	:	MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	:	Non-detect - Result was below the DQO listed for the analyte.
Explanation		
406	:	Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
435	:	Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
TOC 415.1	5310C	01/29/2025:201058AMM	Blank	mg/L		ND	<0.3	
			MS	mg/L	25.00	99.6%	75-125	
		(SP 2501297-001)	MSD	mg/L	25.00	99.7%	75-125	
			MSRPD	mg/L		0.0%	≤23.0	
1,1,1-Trichloroethane(TCA)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	100%	70-130	
			MS	ug/L	10.00	104%	52-162	
		(SP 2500999-001)	MSD	ug/L	10.00	94.4%	52-162	
			MSRPD	ug/L		9.4%	≤36	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	106%	70-130	
			MS	ug/L	10.00	109%	52-162	
		(SP 2501685-001)	MSD	ug/L	10.00	105%	52-162	
			MSRPD	ug/L		2.9%	≤36	
1,1,2,2-Tetrachloroethane	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	114%	60-140	
			MS	ug/L	10.00	116%	46-157	
		(SP 2500999-001)	MSD	ug/L	10.00	91.6%	46-157	
			MSRPD	ug/L		23.1%	≤61	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	97.9%	60-140	
			MS	ug/L	10.00	93.7%	46-157	
		(SP 2501685-001)	MSD	ug/L	10.00	97.6%	46-157	
			MSRPD	ug/L		4.1%	≤61	
1,1,2-Trichloroethane	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	119%	70-130	
			MS	ug/L	10.00	96.7%	52-150	
		(SP 2500999-001)	MSD	ug/L	10.00	92.9%	52-150	
			MSRPD	ug/L		4.0%	≤45	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	107%	70-130	
			MS	ug/L	10.00	95.1%	52-150	
		(SP 2501685-001)	MSD	ug/L	10.00	110%	52-150	
			MSRPD	ug/L		14.6%	≤45	
1,1-Dichloroethane	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	97.6%	70-130	
			MS	ug/L	10.00	104%	59-155	
		(SP 2500999-001)	MSD	ug/L	10.00	83.5%	59-155	
			MSRPD	ug/L		21.6%	≤40	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	92.6%	70-130	
			MS	ug/L	10.00	117%	59-155	
		(SP 2501685-001)	MSD	ug/L	10.00	37.7%	59-155	435
			MSRPD	ug/L		102.6%	≤40	435
1,1-Dichloroethylene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	149%	50-150	
			MS	ug/L	10.00	139%	5-234	
		(SP 2500999-001)	MSD	ug/L	10.00	96.5%	5-234	
			MSRPD	ug/L		36.1%	≤32	435
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			LCS	ug/L	10.00	130%	50-150	
			MS	ug/L	10.00	140%	5-234	
		(SP 2501685-001)	MSD	ug/L	10.00	116%	5-234	
			MSRPD	ug/L		18.8%	≤32	
1,2-Dichlorobenzene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	121%	65-135	
			MS	ug/L	10.00	92.9%	18-190	
		(SP 2500999-001)	MSD	ug/L	10.00	74.4%	18-190	
			MSRPD	ug/L		22.2%	≤57	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	80.2%	65-135	
			MS	ug/L	10.00	64.3%	18-190	
		(SP 2501685-001)	MSD	ug/L	10.00	86.5%	18-190	
			MSRPD	ug/L		29.5%	≤57	
1,2-Dichloroethane (EDC)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	95.0%	70-130	
			MS	ug/L	10.00	87.2%	49-155	
		(SP 2500999-001)	MSD	ug/L	10.00	82.3%	49-155	
			MSRPD	ug/L		5.8%	≤49	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	96.3%	70-130	
			MS	ug/L	10.00	93.0%	49-155	
		(SP 2501685-001)	MSD	ug/L	10.00	114%	49-155	
			MSRPD	ug/L		20.0%	≤49	
1,2-Dichloropropane	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	134%	35-165	
			MS	ug/L	10.00	107%	5-210	
		(SP 2500999-001)	MSD	ug/L	10.00	148%	5-210	
			MSRPD	ug/L		32.7%	≤55	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	116%	35-165	
			MS	ug/L	10.00	111%	5-210	
		(SP 2501685-001)	MSD	ug/L	10.00	117%	5-210	
			MSRPD	ug/L		6.0%	≤55	
1,3-Dichlorobenzene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	105%	70-130	
			MS	ug/L	10.00	114%	59-156	
		(SP 2500999-001)	MSD	ug/L	10.00	88.4%	59-156	
			MSRPD	ug/L		25.7%	≤43	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	95.7%	70-130	
			MS	ug/L	10.00	73.0%	59-156	
		(SP 2501685-001)	MSD	ug/L	10.00	79.9%	59-156	
			MSRPD	ug/L		9.0%	≤43	
1,4-Dichlorobenzene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	125%	65-135	
			MS	ug/L	10.00	101%	18-190	
		(SP 2500999-001)	MSD	ug/L	10.00	84.2%	18-190	
			MSRPD	ug/L		17.7%	≤57	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	89.5%	65-135	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			MS	ug/L	10.00	76.1%	18-190	
		(SP 2501685-001)	MSD	ug/L	10.00	79.5%	18-190	
			MSRPD	ug/L		4.4%	≤57	
2-Butanone (MEK)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<40	
			LCS	ug/L	100.0	80.7%	52-147	
			MS	ug/L	100.0	92.3%	8-193	
		(SP 2500999-001)	MSD	ug/L	100.0	80.9%	8-193	
			MSRPD	ug/L		13.2%	≤26	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<40	
			LCS	ug/L	100.0	86.0%	52-147	
			MS	ug/L	100.0	92.1%	8-193	
		(SP 2501685-001)	MSD	ug/L	100.0	116%	8-193	
			MSRPD	ug/L		22.7%	≤26	
2-Chloroethylvinyl ether	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	100.0	110%	1-225	
			MS	ug/L	100.0	61.9%	1-305	
		(SP 2500999-001)	MSD	ug/L	100.0	53.7%	1-305	
			MSRPD	ug/L		14.2%	≤71	
2-Hexanone	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<30	
			LCS	ug/L	100.0	104%	28-254	
			MS	ug/L	100.0	84.9%	0-348	
		(SP 2500999-001)	MSD	ug/L	100.0	81.4%	0-348	
			MSRPD	ug/L		4.3%	≤29	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<30	
			LCS	ug/L	100.0	94.2%	28-254	
			MS	ug/L	100.0	85.7%	0-348	
		(SP 2501685-001)	MSD	ug/L	100.0	109%	0-348	
			MSRPD	ug/L		23.9%	≤29	
4-Bromofluorobenzene (BFB)	624.1	01/30/2025:201117SBL	Blank	ug/L	10.00	109%	64-135	
			LCS	ug/L	10.00	118%	64-135	
			MS	ug/L	10.00	107%	86-116	
		(SP 2500999-001)	MSD	ug/L	10.00	114%	86-116	
			MSRPD	ug/L		6.9%	≤12	
	624.1	02/04/2025:201276SBL	Blank	ug/L	10.00	102%	64-135	
			LCS	ug/L	10.00	110%	64-135	
			MS	ug/L	10.00	118%	86-116	435
		(SP 2501685-001)	MSD	ug/L	10.00	85.4%	86-116	435
			MSRPD	ug/L		31.7%	≤12	435
4-Methyl-2-pentanone (MIBK)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<30	
			LCS	ug/L	100.0	96.8%	30-235	
			MS	ug/L	100.0	88.6%	0-316	
		(SP 2500999-001)	MSD	ug/L	100.0	82.4%	0-316	
			MSRPD	ug/L		7.3%	≤24	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<30	
			LCS	ug/L	100.0	89.3%	30-235	
			MS	ug/L	100.0	116%	0-316	
		(SP 2501685-001)	MSD	ug/L	100.0	104%	0-316	
			MSRPD	ug/L		10.6%	≤24	
Acetone	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<25	
			LCS	ug/L	100.0	87.6%	51-122	
			MS	ug/L	100.0	71.7%	4-162	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(SP 2500999-001)	MSD	ug/L	100.0	50.2%	4-162	
			MSRPD	ug/L		35.2%	≤41	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<25	
			LCS	ug/L	100.0	82.7%	51-122	
			MS	ug/L	100.0	77.4%	4-162	
		(SP 2501685-001)	MSD	ug/L	100.0	37.2%	4-162	
			MSRPD	ug/L		70.2%	≤41	435
Acrolein	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<5	
			LCS	ug/L	200.0	95.4%	60-140	
			MS	ug/L	200.0	22.9%	40-160	435
		(SP 2500999-001)	MSD	ug/L	200.0	15.1%	40-160	435
			MSRPD	ug/L		41.4%	≤60	
Acrylonitrile	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<2	
			LCS	ug/L	200.0	95.1%	60-140	
			MS	ug/L	200.0	70.2%	40-160	
		(SP 2500999-001)	MSD	ug/L	200.0	51.1%	40-160	
			MSRPD	ug/L		31.6%	≤60	
Benzene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	90.1%	65-135	
			MS	ug/L	10.00	87.2%	37-151	
		(SP 2500999-001)	MSD	ug/L	10.00	80.5%	37-151	
			MSRPD	ug/L		8.0%	≤61	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	97.2%	65-135	
			MS	ug/L	10.00	97.8%	37-151	
		(SP 2501685-001)	MSD	ug/L	10.00	96.9%	37-151	
			MSRPD	ug/L		1.0%	≤61	
Bromodichloromethane	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	94.3%	65-135	
			MS	ug/L	10.00	94.3%	35-155	
		(SP 2500999-001)	MSD	ug/L	10.00	86.8%	35-155	
			MSRPD	ug/L		5.0%	≤56	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	115%	65-135	
			MS	ug/L	10.00	106%	35-155	
		(SP 2501685-001)	MSD	ug/L	10.00	117%	35-155	
			MSRPD	ug/L		7.5%	≤56	
Bromoform	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	127%	70-130	
			MS	ug/L	10.00	122%	45-169	
		(SP 2500999-001)	MSD	ug/L	10.00	99.9%	45-169	
			MSRPD	ug/L		20.2%	≤52	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	100%	70-130	
			MS	ug/L	10.00	65.8%	45-169	
		(SP 2501685-001)	MSD	ug/L	10.00	79.8%	45-169	
			MSRPD	ug/L		8.9%	≤52	
Bromomethane (Methyl Bromide)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	106%	15-185	
			MS	ug/L	10.00	128%	5-242	
		(SP 2500999-001)	MSD	ug/L	10.00	80.2%	5-242	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			MSRPD	ug/L		46.0%	≤61	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	133%	15-185	
			MS	ug/L	10.00	144%	5-242	
		(SP 2501685-001)	MSD	ug/L	10.00	116%	5-242	
			MSRPD	ug/L		21.9%	≤61	
Carbon Disulfide	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<10	
			LCS	ug/L	100.0	88.2%	18-120	
			MS	ug/L	100.0	85.9%	10-135	
		(SP 2500999-001)	MSD	ug/L	100.0	63.4%	10-135	
			MSRPD	ug/L		30.1%	≤38	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<10	
			LCS	ug/L	100.0	86.2%	18-120	
			MS	ug/L	100.0	42.4%	10-135	
		(SP 2501685-001)	MSD	ug/L	100.0	41.4%	10-135	
			MSRPD	ug/L		2.3%	≤38	
Carbon Tetrachloride	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	109%	70-130	
			MS	ug/L	10.00	113%	70-140	
		(SP 2500999-001)	MSD	ug/L	10.00	99.8%	70-140	
			MSRPD	ug/L		12.4%	≤41	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	109%	70-130	
			MS	ug/L	10.00	122%	70-140	
		(SP 2501685-001)	MSD	ug/L	10.00	111%	70-140	
			MSRPD	ug/L		9.6%	≤41	
Chlorobenzene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	117%	65-135	
			MS	ug/L	10.00	143%	37-160	
		(SP 2500999-001)	MSD	ug/L	10.00	107%	37-160	
			MSRPD	ug/L		28.7%	≤53	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	125%	65-135	
			MS	ug/L	10.00	116%	37-160	
		(SP 2501685-001)	MSD	ug/L	10.00	109%	37-160	
			MSRPD	ug/L		6.0%	≤53	
Chloroethane (Ethyl Chloride)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	135%	40-160	
			MS	ug/L	10.00	170%	14-230	
		(SP 2500999-001)	MSD	ug/L	10.00	85.4%	14-230	
			MSRPD	ug/L		66.3%	≤78	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	151%	40-160	
			MS	ug/L	10.00	136%	14-230	
		(SP 2501685-001)	MSD	ug/L	10.00	96.5%	14-230	
			MSRPD	ug/L		34.0%	≤78	
Chloroform	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	102%	70-135	
			MS	ug/L	10.00	106%	5-273	
		(SP 2500999-001)	MSD	ug/L	10.00	89.4%	5-273	
			MSRPD	ug/L		8.3%	≤54	

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February 18, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501197
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	106%	70-135	
			MS	ug/L	10.00	104%	5-273	
		(SP 2501685-001)	MSD	ug/L	10.00	107%	5-273	
			MSRPD	ug/L		2.5%	≤54	
Chloromethane(Methyl Chloride)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	69.9%	5-205	
			MS	ug/L	10.00	84.4%	5-273	
		(SP 2500999-001)	MSD	ug/L	10.00	54.4%	5-273	
			MSRPD	ug/L		43.1%	≤60	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	96.5%	5-205	
			MS	ug/L	10.00	95.5%	5-273	
		(SP 2501685-001)	MSD	ug/L	10.00	75.2%	5-273	
			MSRPD	ug/L		23.7%	≤60	
cis-1,3-Dichloropropene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	148%	25-175	
			MS	ug/L	10.00	98.2%	5-227	
		(SP 2500999-001)	MSD	ug/L	10.00	91.5%	5-227	
			MSRPD	ug/L		7.0%	≤58	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	114%	25-175	
			MS	ug/L	10.00	127%	5-227	
		(SP 2501685-001)	MSD	ug/L	10.00	119%	5-227	
			MSRPD	ug/L		6.1%	≤58	
Dibromochloromethane	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	126%	70-135	
			MS	ug/L	10.00	116%	53-149	
		(SP 2500999-001)	MSD	ug/L	10.00	103%	53-149	
			MSRPD	ug/L		9.7%	≤50	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	128%	70-135	
			MS	ug/L	10.00	102%	53-149	
		(SP 2501685-001)	MSD	ug/L	10.00	81.8%	53-149	
			MSRPD	ug/L		9.8%	≤50	
Ethylbenzene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	143%	60-140	330
			MS	ug/L	10.00	119%	37-162	
		(SP 2500999-001)	MSD	ug/L	10.00	106%	37-162	
			MSRPD	ug/L		11.3%	≤63	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	111%	60-140	
			MS	ug/L	10.00	85.3%	37-162	
		(SP 2501685-001)	MSD	ug/L	10.00	100%	37-162	
			MSRPD	ug/L		15.9%	≤63	
Fluorobenzene	624.1	01/30/2025:201117SBL	Blank	ug/L	10.00	100%	56-154	
			LCS	ug/L	10.00	92.3%	56-154	
			MS	ug/L	10.00	96.7%	83-119	
		(SP 2500999-001)	MSD	ug/L	10.00	87.8%	83-119	
			MSRPD	ug/L		9.6%	≤15	
	624.1	02/04/2025:201276SBL	Blank	ug/L	10.00	101%	56-154	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			LCS	ug/L	10.00	107%	56-154	
			MS	ug/L	10.00	115%	83-119	
		(SP 2501685-001)	MSD	ug/L	10.00	118%	83-119	
			MSRPD	ug/L		2.6%	≤15	
Methyl tert-Butyl Ether (MTBE)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<5	
			LCS	ug/L	10.00	124%	89-136	
			MS	ug/L	10.00	92.0%	45-174	
		(SP 2500999-001)	MSD	ug/L	10.00	60.8%	45-174	
			MSRPD	ug/L		40.8%	≤2	435
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<5	
			LCS	ug/L	10.00	89.2%	89-136	
			MS	ug/L	10.00	93.3%	45-174	
		(SP 2501685-001)	MSD	ug/L	10.00	52.8%	45-174	
			MSRPD	ug/L		55.4%	≤2	435
Methylene Chloride	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	126%	60-140	
			MS	ug/L	10.00	118%	5-221	
		(SP 2500999-001)	MSD	ug/L	10.00	82.8%	5-221	
			MSRPD	ug/L		35.1%	≤28	435
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	128%	60-140	
			MS	ug/L	10.00	51.7%	5-221	
		(SP 2501685-001)	MSD	ug/L	10.00	54.7%	5-221	
			MSRPD	ug/L		5.2%	≤28	
Pentafluorobenzene	624.1	01/30/2025:201117SBL	Blank	ug/L	10.00	101%	54-168	
			LCS	ug/L	10.00	89.2%	54-168	
			MS	ug/L	10.00	92.0%	79-136	
		(SP 2500999-001)	MSD	ug/L	10.00	90.3%	79-136	
			MSRPD	ug/L		1.8%	≤3	
	624.1	02/04/2025:201276SBL	Blank	ug/L	10.00	91.6%	54-168	
			LCS	ug/L	10.00	104%	54-168	
			MS	ug/L	10.00	97.3%	79-136	
		(SP 2501685-001)	MSD	ug/L	10.00	99.9%	79-136	
			MSRPD	ug/L		2.7%	≤3	
Styrene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	121%	74-122	
			MS	ug/L	10.00	138%	0-186	
		(SP 2500999-001)	MSD	ug/L	10.00	107%	0-186	
			MSRPD	ug/L		25.7%	≤20	435
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	110%	74-122	
			MS	ug/L	10.00	97.1%	0-186	
		(SP 2501685-001)	MSD	ug/L	10.00	90.8%	0-186	
			MSRPD	ug/L		6.6%	≤20	
Tetrachloroethylene (PCE)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	83.1%	70-130	
			MS	ug/L	10.00	115%	64-148	
		(SP 2500999-001)	MSD	ug/L	10.00	103%	64-148	
			MSRPD	ug/L		11.6%	≤39	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	117%	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			MS	ug/L	10.00	119%	64-148	
		(SP 2501685-001)	MSD	ug/L	10.00	115%	64-148	
			MSRPD	ug/L		3.8%	≤39	
Toluene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	70.7%	70-130	
			MS	ug/L	10.00	101%	47-150	
		(SP 2500999-001)	MSD	ug/L	10.00	83.3%	47-150	
			MSRPD	ug/L		12.0%	≤41	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	114%	70-130	
			MS	ug/L	10.00	141%	47-150	
		(SP 2501685-001)	MSD	ug/L	10.00	109%	47-150	
			MSRPD	ug/L		25.4%	≤41	
trans-1,2-Dichloroethylene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	96.6%	70-130	
			MS	ug/L	10.00	125%	54-156	
		(SP 2500999-001)	MSD	ug/L	10.00	79.8%	54-156	
			MSRPD	ug/L		44.4%	≤45	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	110%	70-130	
			MS	ug/L	10.00	121%	54-156	
		(SP 2501685-001)	MSD	ug/L	10.00	72.3%	54-156	
			MSRPD	ug/L		50.3%	≤45	435
trans-1,3-Dichloropropene	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	125%	50-150	
			MS	ug/L	10.00	101%	17-183	
		(SP 2500999-001)	MSD	ug/L	10.00	90.7%	17-183	
			MSRPD	ug/L		10.6%	≤86	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	114%	50-150	
			MS	ug/L	10.00	122%	17-183	
		(SP 2501685-001)	MSD	ug/L	10.00	108%	17-183	
			MSRPD	ug/L		11.9%	≤86	
Trichloroethylene (TCE)	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	101%	65-135	
			MS	ug/L	10.00	93.9%	70-157	
		(SP 2500999-001)	MSD	ug/L	10.00	78.8%	70-157	
			MSRPD	ug/L		17.5%	≤48	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	104%	65-135	
			MS	ug/L	10.00	117%	70-157	
		(SP 2501685-001)	MSD	ug/L	10.00	121%	70-157	
			MSRPD	ug/L		3.2%	≤48	
Trichlorofluoromethane F-11	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	122%	50-150	
			MS	ug/L	10.00	182%	17-181	435
		(SP 2500999-001)	MSD	ug/L	10.00	122%	17-181	
			MSRPD	ug/L		39.3%	≤84	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	121%	50-150	
			MS	ug/L	10.00	144%	17-181	

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February 18, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501197
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(SP 2501685-001)	MSD	ug/L	10.00	108%	17-181	
			MSRPD	ug/L		28.0%	≤84	
Vinyl Acetate	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<10	
			LCS	ug/L	100.0	105%	52-178	
			MS	ug/L	100.0	108%	0-243	
		(SP 2500999-001)	MSD	ug/L	100.0	72.7%	0-243	
			MSRPD	ug/L		38.8%	≤116	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<10	
			LCS	ug/L	100.0	85.2%	52-178	
			MS	ug/L	100.0	89.3%	0-243	
		(SP 2501685-001)	MSD	ug/L	100.0	39.3%	0-243	
			MSRPD	ug/L		77.8%	≤116	
Vinyl Chloride	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	83.4%	5-195	
			MS	ug/L	10.00	109%	5-251	
		(SP 2500999-001)	MSD	ug/L	10.00	71.8%	5-251	
			MSRPD	ug/L		41.4%	≤66	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	105%	5-195	
			MS	ug/L	10.00	112%	5-251	
		(SP 2501685-001)	MSD	ug/L	10.00	117%	5-251	
			MSRPD	ug/L		4.4%	≤66	
Xylenes m,p	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	145%	72-120	330
			MS	ug/L	20.00	129%	35-157	
		(SP 2500999-001)	MSD	ug/L	20.00	115%	35-157	
			MSRPD	ug/L		11.5%	≤16	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	112%	72-120	
			MS	ug/L	20.00	83.3%	35-157	
		(SP 2501685-001)	MSD	ug/L	20.00	99.7%	35-157	
			MSRPD	ug/L		17.9%	≤16	435
Xylenes o	624.1	01/30/2025:201117SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	118%	72-119	
			MS	ug/L	10.00	137%	52-143	
		(SP 2500999-001)	MSD	ug/L	10.00	109%	52-143	
			MSRPD	ug/L		23.0%	≤24	
	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	113%	72-119	
			MS	ug/L	10.00	99.1%	52-143	
		(SP 2501685-001)	MSD	ug/L	10.00	93.1%	52-143	
			MSRPD	ug/L		6.2%	≤24	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

Page 22 of 26

Explanation

330 : The LCS was out of acceptance limits. Results may be biased high.

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Page 23 of 26

February 18, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501197
Customer No. : 2028560

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Alkalinity (as CaCO3)	2320B	(SP 2501197-001)	Dup	mg/L		1.52%	10	
E. C.	2320B	(SP 2501197-001)	Dup	umhos/cm		0.5%	5	
pH	2320B	(SP 2501197-001)	Dup	units		0.4%	4.80	
Solids, Total Dissolved	2540CE	01/28/2025:201004CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	991.1	104%	90-110	
		(VI 2540562-002)	Dup	mg/L		1.68%	5	
		(VI 2540562-002)	Dup	mg/L		1.02%	5	
Bromide	300.0	01/31/2025:201155LDM	Blank	mg/L		ND	<0.03	
	300.0	01/31/2025:201156LDM	Blank	mg/L		ND	<0.03	
	300.0	01/31/2025:201155LDM	LCS	mg/L	5.000	97.4%	90-110	
	300.0	01/31/2025:201156LDM	LCS	mg/L	5.000	94.3%	90-110	
			MS	mg/L	10.00	101%	86-115	
	300.0	01/31/2025:201155LDM	MS	mg/L	10.00	99.2%	86-115	
	300.0	(CH 2570645-002)	MSD	mg/L	10.00	101%	86-115	
	300.0	(CH 2570646-003)	MSD	mg/L	10.00	99.0%	86-115	
			MSRPD	mg/L		0.2%	≤9	
	300.0	01/31/2025:201156LDM	MSRPD	mg/L		0.1%	≤9	
			MS	mg/L	10.00	99.4%	86-115	
	300.0	01/31/2025:201155LDM	MS	mg/L	10.00	99.8%	86-115	
		(CC 2580207-001)	MSD	mg/L	10.00	99.1%	86-115	
	300.0	(STK2530775-002)	MSD	mg/L	10.00	99.3%	86-115	
			MSRPD	mg/L		0.2%	≤9	
	300.0	01/31/2025:201155LDM	MSRPD	mg/L		0.7%	≤9	
Fluoride	300.0	01/31/2025:201156LDM	Blank	mg/L		ND	<0.1	
	300.0	01/31/2025:201155LDM	Blank	mg/L		ND	<0.1	
			LCS	mg/L	2.500	101%	90-110	
	300.0	01/31/2025:201156LDM	LCS	mg/L	2.500	96.6%	90-110	
			MS	mg/L	5.000	104%	89-111	
	300.0	01/31/2025:201155LDM	MS	mg/L	5.000	104%	89-111	
		(CH 2570646-003)	MSD	mg/L	5.000	104%	89-111	
	300.0	(CH 2570645-002)	MSD	mg/L	5.000	104%	89-111	
	300.0	01/31/2025:201155LDM	MSRPD	mg/L		0.5%	≤9	
	300.0	01/31/2025:201156LDM	MSRPD	mg/L		0.3%	≤9	
			MS	mg/L	5.000	102%	89-111	
	300.0	01/31/2025:201155LDM	MS	mg/L	5.000	103%	89-111	
		(CC 2580207-001)	MSD	mg/L	5.000	103%	89-111	
	300.0	(STK2530775-002)	MSD	mg/L	5.000	102%	89-111	
			MSRPD	mg/L		0.5%	≤9	
	300.0	01/31/2025:201155LDM	MSRPD	mg/L		0.2%	≤9	
Sulfate	300.0	01/31/2025:201156LDM	Blank	mg/L		ND	<0.5	
	300.0	01/31/2025:201155LDM	Blank	mg/L		ND	<0.5	
	300.0	01/31/2025:201156LDM	LCS	mg/L	50.00	98.1%	90-110	
	300.0	01/31/2025:201155LDM	LCS	mg/L	50.00	98.7%	90-110	
			MS	mg/L	100.0	97.2%	18-165	
	300.0	01/31/2025:201156LDM	MS	mg/L	100.0	103%	18-165	
	300.0	(CH 2570646-003)	MSD	mg/L	100.0	97.3%	18-165	
	300.0	(CH 2570645-002)	MSD	mg/L	100.0	103%	18-165	
	300.0	01/31/2025:201155LDM	MSRPD	mg/L		0.2%	≤7	
	300.0	01/31/2025:201156LDM	MSRPD	mg/L		0.1%	≤7	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			MS	mg/L	100.0	99.7%	18-165	

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February 18, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501197
Customer No. : 2028560

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
	300.0	01/31/2025:201155LDM	MS	mg/L	100.0	92.6%	18-165	
	300.0	(STK2530775-002)	MSD	mg/L	100.0	99.6%	18-165	
	300.0	(CC 2580207-001)	MSD	mg/L	100.0	93.0%	18-165	
			MSRPD	mg/L		0.2%	≤7	
	300.0	01/31/2025:201156LDM	MSRPD	mg/L		0.1%	≤7	
Carbon Dioxide	4500COC	(SP 2501197-001)	Dup	mg/L		0%	30	
Nitrate Nitrogen	4500NO3F	02/07/2025:201422MM1	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	103%	80-120	
			MS	mg/L	5.609	89.6%	66-125	
		(STK2531704-001)	MSD	mg/L	5.609	90.6%	66-125	
			MSRPD	mg/L		0.4%	≤30.4	
	4500NO3F	02/11/2025:201532MM1	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	98.8%	80-120	
			MS	mg/L	5.609	95.4%	66-125	
		(SP 2502026-012)	MSD	mg/L	5.609	97.1%	66-125	
			MSRPD	mg/L		1.1%	≤30.4	
Sulfide, Total	4500S D	01/29/2025:201059CTL	LCS	mg/L	0.6667	99.6%	75-125	
		(SP 2501197-001)	Dup	mg/L		10.2%	20	
COD	5220D	02/03/2025:201210JCG	Blank	mg/L		ND	<20	
			LCS	mg/L	200.0	104%	95-105	
			MS	mg/L	200.0	102%	33-147	
		(SP 2501344-003)	MSD	mg/L	200.0	106%	33-147	
			MSRPD	mg/L		2.7%	≤15	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

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ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

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Laboratory Copy (1 of 2)

6284:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**
Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:
Contact Person: Matt Breuer
Project Name: **Chiquita Cyn Landfill-MPars 2**
Purchase Order Number:
Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501197 2-28560

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-SO4,TDS,NO3-N,F,CO2,Br,Alk. (CaCO3) 32oz(P)	Wet Chemistry-COD 16oz(P)-H2SO4	Wet Chemistry-Total Sulfide 16oz(P)-NaOH + Zinc Acetate	Metals, Total-B,Ca,Mg,Mn,K,Na 250ml(P)-HNO3	TOC 40ml(AVT)-H3PO4	EPA 624.1 40ml(VOA)-HCl , 250ml(AGT)	Sub Organic-1,4, Dioxane by 8270 ***Requires MDL Reporting**** 1000ml(AGT)	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	Field Test-Field Turbidity	Field Test-Field Temp. Circle one: °F or °C
1	South Basin - Western Inlet	1/26/25	9:30am	G	STM				1	1	1	1	2	2,1	1	"	ERROR	"	3063	n/a
2	South Basin - Eastern Inlet	1/26/25	3:30pm	G	STM				1	1	1	1	2	2,1	1	8.29	1/26	3:45	overrange	11.3

Remarks: **Multiple Chains**
-1 pH in lab

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
BLANCA Hoffmeier	1/27/25	9:45am						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
MC	1/27/25	9:45						

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182
Fax: (209) 942-0423

PCE 14
TH268

Office & Laboratory
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 343-3807

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
Phone: (805) 783-2940
Fax: (805) 783-2912

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

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Laboratory Copy (1 of 2)

6284:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: Chiquita Canyon Landfill
Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:
Contact Person: Matt Breuer
Project Name: **Chiquita Cyn Landfill-MPars 2**
Purchase Order Number:
Quote Number: **SP 20241121-05**

Sampler(s) Blanca Hoffmeier
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501197 **2-28560**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Field Test-Field E.C.
1	South Basin - Western Inlet	1/26/25	9:30	G	STM				—
2	South Basin - Eastern Inlet	1/26/25	3:30	G	STM				—

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Blanca Hoffmeier	1/27/25	9:45						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
MC	1/27/25	9:45						

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182

Office & Laboratory
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to
Eurofins Calscience, Inc

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501197**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-1,4, Dioxane by 8270 ***Requires MDL Reporting**** 1000ml(AGT)								
1	South Basin - Western Inlet	01/26/2025	09:30	G	STM				1								
2	South Basin - Eastern Inlet	01/26/2025	15:30	G	STM				1								

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Subject: Re: VOA Headspace for 2501198 & 2501197
From: Matt Breuer <Matt.Breuer@WasteConnections.com>
Date: 1/28/2025, 7:34 AM
To: Matthew Casas <matthewc@fglinc.com>
CC: Login Santa Paula <loginsp@fglinc.com>

Thank you again for the notice. Please proceed with analysis.

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

From: Matthew Casas <matthewc@fglinc.com>
Sent: Monday, January 27, 2025 12:37 PM
To: Matt Breuer <Matt.Breuer@WasteConnections.com>
Cc: Login Santa Paula <loginsp@fglinc.com>
Subject: VOA Headspace for 2501198 & 2501197

Hello Matt,
Attached are the COCs for the affected projects.
2501197 Chiquita Cyn Landfill-MPars 2: 624.1 40ml VOAs had too much headspace. The chemist can proceed with this but the results will be biased low.
2501198 Chiquita Landfill - App II 2: 8260 40ml VOAs had too much headspace. The sub-lab will make the determination of how biased these results will be due to the headspace.

Please let me know how you would like to proceed with these.
Also, Blanca had mentioned that she thought some sample containers were missing but all containers and labels are accounted for.

--
Regards,
Matthew Casas
Sample Receiving
Fruit Growers Laboratory
805-392-2017

Condition Upon Receipt (Attach to COC) SP 2501197

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH261**
4. Were samples received on Ice? **Yes** **No** Temps: **ROI** / **14C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **No** **N/A**
7. Verify sample date, time, sampler **Yes** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** **No**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **Yes** **No**
2. Did bottle labels correspond with the client's ID's? **Yes** **No**
3. Were all bottles requiring sample preservation properly preserved? **Yes** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **N/A**
5. Were all analyses within holding times at time of receipt? **Yes** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **N/A**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/28/2025-09:40:00

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: Matt Breuer Phone Number: _____
   Initiated By: MDC Date: _____
   Problem: **624.1 VOAs had significant headspace.**

   Resolution: **Matt approved proceeding with analysis.**

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
SP 2501197
MDC-01/28/2025-09:40:00

February 20, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Subject: Subcontract Analysis for FGL Lab No. SP 2501350

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 8260

Please note that this analysis was performed by Zalco Laboratories, Inc.

Thank you for using FGL Environmental.

Sincerely,

Stephanie Herron Digitally signed by Stephanie Herron
Title: Customer Service Rep
Date: 2025-02-20

Enclosure

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

February 20, 2025

Cindy Aguirre

Fruit Growers Laboratory, Inc.
853 Corporation Street
Santa Paula, CA 93060

RE: Master

Zalco Work Order: 2501611

Zalco Project:

Enclosed are the results of analyses for samples received by our laboratory on 1/30/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Magana For Juan Magana
Laboratory Technical Manager

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Zalco Laboratories, Inc. 2501611

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Page 1 of 1

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501350**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Sample Information / **Test Description(s)**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 8260 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list*** ***Requires MDL Reporting**** 40ml(AGT)								
1	South Sedimentaion Basin - Sta	01/28/2025	12:15	G	STM				4								

Remarks
Sample 1: MDL Reporting

5.9C (R.T.)

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Cm	1/29/25	17:00						
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
↓	↓		AMCL	1/30/25	12:00			

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
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Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501350	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/20/2025 09:58

Work Order Case Narrative

Sample results evaluated to the MDL

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Bakersfield, CA 93308
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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501350	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/20/2025 09:58

Sample Results

Sample Name: **South Sedimentation Basin- Sta**

Lab ID: **2501611-01**

Sampled Date - Time: 1/28/2025 12:15:00PM
Matrix: Water
Sample Type: Grab

Volatile Organic Compounds by GC/MS

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Acetone	ND	50	48	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Acrolein	ND	20	4.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Acrylonitrile	ND	20	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Benzene	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromochloromethane	ND	5.0	0.93	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromodichloromethane	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromoform	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Bromomethane	ND	5.0	2.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Butanone	ND	50	22	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Carbon disulfide	ND	5.0	2.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Carbon tetrachloride	ND	5.0	1.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chlorobenzene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloroethane	ND	5.0	3.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloroform	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloromethane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dibromo-3-chloropropane	ND	5.0	2.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dibromoethane (EDB)	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Dibromomethane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichlorobenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3-Dichlorobenzene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,4-Dichlorobenzene	ND	5.0	2.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Dichlorodifluoromethane	ND	5.0	0.91	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloroethane	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichloroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloroethene	ND	5.0	1.7	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
trans-1,2-Dichloroethene	ND	5.0	1.9	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2-Dichloropropane	ND	5.0	0.92	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
cis-1,3-Dichloropropene	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
trans-1,3-Dichloropropene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Ethylbenzene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Dibromochloromethane	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
cis-1,2-Dichloroethene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,3-Dichloropropane	ND	5.0	1.4	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2,2-Dichloropropane	ND	5.0	1.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1-Dichloropropene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
2-Hexanone	ND	50	32	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Iodomethane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Methylene chloride	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
4-Methyl-2-pentanone	ND	50	24	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	

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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501350	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/20/2025 09:58

Sample Results
(Continued)

Sample Name: **South Sedimentation Basin- Sta (Continued)** **Sampled Date - Time:** 1/28/2025 12:15:00PM
Matrix: Water
Lab ID: **2501611-01** **Sample Type:** Grab

Analyte	Result	Report Limt	MDL	Units	Dilution	Date Analyzed	Method	Analyst Initials	Qual
Volatile Organic Compounds by GC/MS (Continued)									
Xylenes, total	0.0			ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Naphthalene	ND	5.0	3.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Styrene	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Toluene	ND	5.0	3.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2,2-Tetrachloroethane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Tetrachloroethene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,1,2-Tetrachloroethane	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,4-Trichlorobenzene	ND	5.0	3.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,1-Trichloroethane	ND	5.0	1.0	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,1,2-Trichloroethane	ND	5.0	1.5	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Trichloroethene	ND	5.0	0.85	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Trichlorofluoromethane	ND	5.0	1.8	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
1,2,3-Trichloropropane	ND	5.0	1.6	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Vinyl acetate	ND	5.0	4.1	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Vinyl chloride	ND	5.0	1.3	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Acetonitrile	ND	5.0	0.83	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	
Chloroprene	ND	5.0	1.2	ug/L	1	1/30/25 16:33	SW846 8260B	JAM	

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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501350	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/20/2025 09:58

Quality Control

Volatile Organic Compounds by GC/MS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: 5B00177 - EPA 5030B										
Blank (5B00177-BLK1)					Prepared & Analyzed: 1/30/2025					
Acetone	ND		50	ug/L						
Acrolein	ND		20	ug/L						
Acrylonitrile	ND		20	ug/L						
Benzene	ND		5.0	ug/L						
Bromochloromethane	ND		5.0	ug/L						
Bromodichloromethane	ND		5.0	ug/L						
Bromoform	ND		5.0	ug/L						
Bromomethane	ND		5.0	ug/L						
2-Butanone	ND		50	ug/L						
Tert-butyl alcohol	ND		25	ug/L						
Carbon disulfide	ND		5.0	ug/L						
Carbon tetrachloride	ND		5.0	ug/L						
Chlorobenzene	ND		5.0	ug/L						
Chloroethane	ND		5.0	ug/L						
2-Chloroethylvinyl ether	ND		5.0	ug/L						
Chloroform	ND		5.0	ug/L						
Chloromethane	ND		5.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		5.0	ug/L						
1,2-Dibromoethane (EDB)	ND		5.0	ug/L						
Dibromomethane	ND		5.0	ug/L						
1,2-Dichlorobenzene	ND		5.0	ug/L						
1,3-Dichlorobenzene	ND		5.0	ug/L						
1,4-Dichlorobenzene	ND		5.0	ug/L						
Dichlorodifluoromethane	ND		5.0	ug/L						
1,1-Dichloroethane	ND		5.0	ug/L						
1,2-Dichloroethane	ND		5.0	ug/L						
1,1-Dichloroethene	ND		5.0	ug/L						
trans-1,2-Dichloroethene	ND		5.0	ug/L						
1,2-Dichloropropane	ND		5.0	ug/L						
cis-1,3-Dichloropropene	ND		5.0	ug/L						
trans-1,3-Dichloropropene	ND		5.0	ug/L						
Bromobenzene	ND		5.0	ug/L						
n-Butylbenzene	ND		5.0	ug/L						
sec-Butylbenzene	ND		5.0	ug/L						
Ethyl acetate	ND		50	ug/L						
tert-Butylbenzene	ND		5.0	ug/L						
2-Chlorotoluene	ND		5.0	ug/L						
Ethylbenzene	ND		5.0	ug/L						
4-Chlorotoluene	ND		5.0	ug/L						
Dibromochloromethane	ND		5.0	ug/L						
cis-1,2-Dichloroethene	ND		5.0	ug/L						
1,3-Dichloropropane	ND		5.0	ug/L						
Hexachlorobutadiene	ND		5.0	ug/L						
2,2-Dichloropropane	ND		5.0	ug/L						
1,1-Dichloropropene	ND		5.0	ug/L						
2-Hexanone	ND		50	ug/L						
Di-isopropyl ether	ND		5.0	ug/L						

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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501350	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/20/2025 09:58

Quality Control
(Continued)

Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: 5B00177 - EPA 5030B (Continued)										
Blank (5B00177-BLK1)					Prepared & Analyzed: 1/30/2025					
Ethyl tert-Butyl Ether	ND		5.0	ug/L						
Iodomethane	ND		5.0	ug/L						
4-Isopropyltoluene	ND		5.0	ug/L						
Isopropylbenzene	ND		5.0	ug/L						
Methyl tert-Butyl Ether	ND		5.0	ug/L						
n-Propyl Benzene	ND		5.0	ug/L						
Tert-Amyl Methyl Ether	ND		5.0	ug/L						
1,2,3-Trichlorobenzene	ND		5.0	ug/L						
1,2,4-Trimethylbenzene	ND		5.0	ug/L						
Methylene chloride	ND		5.0	ug/L						
1,3,5-Trimethylbenzene	ND		5.0	ug/L						
4-Methyl-2-pentanone	ND		50	ug/L						
Xylenes, total	0.0			ug/L						
m,p-Xylene	ND		5.0	ug/L						
o-Xylene	ND		5.0	ug/L						
Naphthalene	ND		5.0	ug/L						
Styrene	ND		5.0	ug/L						
Toluene	ND		5.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		5.0	ug/L						
Tetrachloroethene	ND		5.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		5.0	ug/L						
1,2,4-Trichlorobenzene	ND		5.0	ug/L						
1,1,1-Trichloroethane	ND		5.0	ug/L						
1,1,2-Trichloroethane	ND		5.0	ug/L						
Trichloroethene	ND		5.0	ug/L						
Trichlorofluoromethane	ND		5.0	ug/L						
1,2,3-Trichloropropane	ND		5.0	ug/L						
Vinyl acetate	ND		5.0	ug/L						
Vinyl chloride	ND		5.0	ug/L						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		5.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4			*54.9*	*ug/L*	*50.0*		*110*	*72-130*		
Surrogate: Toluene-d8			*46.3*	*ug/L*	*50.0*		*92.6*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*52.7*	*ug/L*	*50.0*		*105*	*87-108*		

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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501350	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/20/2025 09:58

Quality Control
(Continued)

Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: 5B00177 - EPA 5030B (Continued)										
LCS (5B00177-BS1)					Prepared & Analyzed: 1/30/2025					
Benzene	44		5.0	ug/L	50.0		88.2	84-158		
Chlorobenzene	40		5.0	ug/L	50.0		79.0	9.64-172		
1,1-Dichloroethene	41	JMM-05	5.0	ug/L	50.0		82.9	93-220		
Toluene	38		5.0	ug/L	50.0		76.8	66-147		
Trichloroethene	42	JMM-05	5.0	ug/L	50.0		84.6	86-146		
Surrogate: 1,2-Dichloroethane-d4			*47.8*	*ug/L*	*50.0*		*95.6*	*72-130*		
Surrogate: Toluene-d8			*50.1*	*ug/L*	*50.0*		*100*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*47.4*	*ug/L*	*50.0*		*94.9*	*87-108*		
Matrix Spike (5B00177-MS1)		**Source: 2501534-01**			Prepared & Analyzed: 1/30/2025					
Benzene	42		5.0	ug/L	50.0	ND	84.7	77-164		
Chlorobenzene	38		5.0	ug/L	50.0	ND	76.2	18-182		
1,1-Dichloroethene	37		5.0	ug/L	50.0	ND	73.1	73-224		
Toluene	37		5.0	ug/L	50.0	ND	73.1	64-149		
Trichloroethene	41		5.0	ug/L	50.0	ND	82.0	76-159		
Surrogate: 1,2-Dichloroethane-d4			*49.9*	*ug/L*	*50.0*		*99.8*	*72-130*		
Surrogate: Toluene-d8			*49.7*	*ug/L*	*50.0*		*99.4*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*48.1*	*ug/L*	*50.0*		*96.2*	*87-108*		
Matrix Spike Dup (5B00177-MSD1)		**Source: 2501534-01**			Prepared & Analyzed: 1/30/2025					
Benzene	44		5.0	ug/L	50.0	ND	88.0	77-164	3.82	20
Chlorobenzene	40		5.0	ug/L	50.0	ND	80.7	18-182	5.63	20
1,1-Dichloroethene	41		5.0	ug/L	50.0	ND	81.2	73-224	10.5	20
Toluene	39		5.0	ug/L	50.0	ND	77.2	64-149	5.40	20
Trichloroethene	43		5.0	ug/L	50.0	ND	86.2	76-159	5.04	20
Surrogate: 1,2-Dichloroethane-d4			*50.3*	*ug/L*	*50.0*		*101*	*72-130*		
Surrogate: Toluene-d8			*49.5*	*ug/L*	*50.0*		*99.0*	*92-111*		
Surrogate: 4-Bromofluorobenzene			*47.8*	*ug/L*	*50.0*		*95.6*	*87-108*		

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Fruit Growers Laboratory, Inc.	Project: Master	
853 Corporation Street	Project Number: SP 2501350	**Reported:**
Santa Paula, CA 93060	Project Manager: Cindy Aguirre	02/20/2025 09:58

Notes and Definitions

Item	Definition
JMM-05	Percent recoveries are out of Zalco acceptance range. However, they are within EPA limits.
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

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February 6, 2025

Lab No. : SP 2501350
Customer No. : 2028560

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Laboratory Report

Introduction: This report package contains a total of 8 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(5 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
South Sedimentaion Basin - Sta	01/28/2025	01/28/2025	SP 2501350-001	STM

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 624.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: RDM

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-06

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Visalia, CA 93291
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CA ELAP Certification No. 2810

February 6, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Sedimentaion Basin - Sta
Project : Water Quality

Lab No. : SP 2501350-001
Customer No. : 2028560

Sampled On : January 28, 2025 at 12:15
Sampled By : Blanca H/Isaac H
Received On : January 28, 2025 at 13:16
Matrix : Stormwater

Sample Results - Organic

Constituent	Result	RL	MDL	Units	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 624.1							Date	Time	Who	Method	Date	Time	Who
4-Bromofluorobenzene ‡	94.0	64-135		%	1	hl	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Fluorobenzene ‡	106	56-154		%	1		02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Pentafluorobenzene ‡	98.2	54-168		%	1		02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Acetone	14.1	25	3.6	ug/L	1	J	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Acrolein	ND	5	2.5	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:39	sbl
Acrylonitrile	ND	2	0.70	ug/L	1	Ul	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:39	sbl
Benzene	ND	0.5	0.30	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Bromodichloromethane	ND	0.5	0.28	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Bromoform	ND	0.5	0.35	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Bromomethane	ND	0.5	0.43	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Chloromethane	ND	0.5	0.26	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Halomethanes, sum	ND	0.5		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
2-Butanone (MEK)	9.89	40	2.4	ug/L	1	J	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Carbon Disulfide	ND	10	1.1	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Carbon Tetrachloride	ND	0.5	0.24	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Chlorobenzene	ND	0.5	0.14	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Chloroethane	ND	0.5	0.20	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
2-Chloroethylvinyl ether	ND	1	0.29	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:39	sbl
Chloroform	ND	0.5	0.19	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Dibromochloromethane	ND	0.5	0.43	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,2-Dichlorobenzene	ND	0.5	0.10	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,3-Dichlorobenzene	ND	0.5	0.10	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Dichlorobenzenes, sum	ND	0.5		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,4-Dichlorobenzene	ND	0.5	0.12	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,1-Dichloroethane	ND	0.5	0.20	ug/L	1	Ul	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,2-Dichloroethane	ND	0.5	0.16	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,1-Dichloroethylene	ND	0.5	0.40	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
trans-1,2-Dichloroethylene	ND	0.5	0.20	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,2-Dichloropropane	ND	0.5	0.40	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
cis-1,3-Dichloropropene	ND	0.5	0.17	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
trans-1,3-Dichloropropene	ND	0.5	0.43	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,3-Dichloropropene (Total)	ND	0.5		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Ethyl Benzene	ND	0.5	0.17	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
2-Hexanone	ND	30	4.9	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl

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4-Methyl-2-pentanone (MIBK)	ND	30	1.3	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Methylene Chloride	ND	0.5	0.16	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Methyl tert-Butyl Ether (MTBE)	ND	5	0.32	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Styrene	ND	0.5	0.18	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,1,2,2-Tetrachloroethane	ND	0.5	0.25	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Tetrachloroethylene	ND	0.5	0.45	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Toluene	ND	0.5	0.41	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,1,1-Trichloroethane	ND	0.5	0.19	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
1,1,2-Trichloroethane	ND	0.5	0.26	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Trichloroethylene	ND	0.5	0.15	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Trichlorofluoromethane	ND	1	0.26	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Vinyl Acetate	ND	10	5.9	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Vinyl Chloride	ND	0.5	0.13	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Xylenes m,p	ND	1	0.41	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Xylenes o	ND	0.5	0.12	ug/L	1	U	02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl
Xylenes	ND	1		ug/L			02/04/2025	17:45	sbl	EPA 624.1	02/05/2025	00:11	sbl

DQF Flags Definition:
- h The MS/MSD did not meet QC criteria.
- l The MS/MSD did not meet QC criteria.
- J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
- U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

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February 6, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501350
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,1,1-Trichloroethane(TCA)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	106%	70-130	
			MS	ug/L	10.00	109%	52-162	
		(SP 2501685-001)	MSD	ug/L	10.00	105%	52-162	
			MSRPD	ug/L		2.9%	≤36	
1,1,2,2-Tetrachloroethane	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	97.9%	60-140	
			MS	ug/L	10.00	93.7%	46-157	
		(SP 2501685-001)	MSD	ug/L	10.00	97.6%	46-157	
			MSRPD	ug/L		4.1%	≤61	
1,1,2-Trichloroethane	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	107%	70-130	
			MS	ug/L	10.00	95.1%	52-150	
		(SP 2501685-001)	MSD	ug/L	10.00	110%	52-150	
			MSRPD	ug/L		14.6%	≤45	
1,1-Dichloroethane	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	92.6%	70-130	
			MS	ug/L	10.00	117%	59-155	
		(SP 2501685-001)	MSD	ug/L	10.00	37.7%	59-155	435
			MSRPD	ug/L		102.6%	≤40	435
1,1-Dichloroethylene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	130%	50-150	
			MS	ug/L	10.00	140%	5-234	
		(SP 2501685-001)	MSD	ug/L	10.00	116%	5-234	
			MSRPD	ug/L		18.8%	≤32	
1,2-Dichlorobenzene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	80.2%	65-135	
			MS	ug/L	10.00	64.3%	18-190	
		(SP 2501685-001)	MSD	ug/L	10.00	86.5%	18-190	
			MSRPD	ug/L		29.5%	≤57	
1,2-Dichloroethane (EDC)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	96.3%	70-130	
			MS	ug/L	10.00	93.0%	49-155	
		(SP 2501685-001)	MSD	ug/L	10.00	114%	49-155	
			MSRPD	ug/L		20.0%	≤49	
1,2-Dichloropropane	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	116%	35-165	
			MS	ug/L	10.00	111%	5-210	
		(SP 2501685-001)	MSD	ug/L	10.00	117%	5-210	
			MSRPD	ug/L		6.0%	≤55	
1,3-Dichlorobenzene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	95.7%	70-130	
			MS	ug/L	10.00	73.0%	59-156	
		(SP 2501685-001)	MSD	ug/L	10.00	79.9%	59-156	
			MSRPD	ug/L		9.0%	≤43	
1,4-Dichlorobenzene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	

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February 6, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501350
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			LCS	ug/L	10.00	89.5%	65-135	
			MS	ug/L	10.00	76.1%	18-190	
		(SP 2501685-001)	MSD	ug/L	10.00	79.5%	18-190	
			MSRPD	ug/L		4.4%	≤57	
2-Butanone (MEK)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<40	
			LCS	ug/L	100.0	86.0%	52-147	
			MS	ug/L	100.0	92.1%	8-193	
		(SP 2501685-001)	MSD	ug/L	100.0	116%	8-193	
			MSRPD	ug/L		22.7%	≤26	
2-Chloroethylvinyl ether	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	100.0	87.9%	1-225	
			MS	ug/L	100.0	68.4%	1-305	
		(SP 2501685-001)	MSD	ug/L	100.0	59.4%	1-305	
			MSRPD	ug/L		14.0%	≤71	
2-Hexanone	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<30	
			LCS	ug/L	100.0	94.2%	28-254	
			MS	ug/L	100.0	85.7%	0-348	
		(SP 2501685-001)	MSD	ug/L	100.0	109%	0-348	
			MSRPD	ug/L		23.9%	≤29	
4-Bromofluorobenzene (BFB)	624.1	02/04/2025:201276SBL	Blank	ug/L	10.00	102%	64-135	
			LCS	ug/L	10.00	110%	64-135	
			MS	ug/L	10.00	118%	86-116	435
		(SP 2501685-001)	MSD	ug/L	10.00	85.4%	86-116	435
			MSRPD	ug/L		31.7%	≤12	435
4-Methyl-2-pentanone (MIBK)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<30	
			LCS	ug/L	100.0	89.3%	30-235	
			MS	ug/L	100.0	116%	0-316	
		(SP 2501685-001)	MSD	ug/L	100.0	104%	0-316	
			MSRPD	ug/L		10.6%	≤24	
Acetone	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<25	
			LCS	ug/L	100.0	82.7%	51-122	
			MS	ug/L	100.0	77.4%	4-162	
		(SP 2501685-001)	MSD	ug/L	100.0	37.2%	4-162	
			MSRPD	ug/L		70.2%	≤41	435
Acrolein	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<5	
			LCS	ug/L	400.0	124%	60-140	
			MS	ug/L	200.0	73.1%	40-160	
		(SP 2501685-001)	MSD	ug/L	200.0	92.6%	40-160	
			MSRPD	ug/L		23.5%	≤60	
Acrylonitrile	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<2	
			LCS	ug/L	400.0	111%	60-140	
			MS	ug/L	200.0	71.0%	40-160	
		(SP 2501685-001)	MSD	ug/L	200.0	37.6%	40-160	435
			MSRPD	ug/L		61.6%	≤60	435
Benzene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	97.2%	65-135	
			MS	ug/L	10.00	97.8%	37-151	
		(SP 2501685-001)	MSD	ug/L	10.00	96.9%	37-151	
			MSRPD	ug/L		1.0%	≤61	
Bromodichloromethane	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	115%	65-135	

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February 6, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501350
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			MS	ug/L	10.00	106%	35-155	
		(SP 2501685-001)	MSD	ug/L	10.00	117%	35-155	
			MSRPD	ug/L		7.5%	≤56	
Bromoform	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	100%	70-130	
			MS	ug/L	10.00	65.8%	45-169	
		(SP 2501685-001)	MSD	ug/L	10.00	79.8%	45-169	
			MSRPD	ug/L		8.9%	≤52	
Bromomethane (Methyl Bromide)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	133%	15-185	
			MS	ug/L	10.00	144%	5-242	
		(SP 2501685-001)	MSD	ug/L	10.00	116%	5-242	
			MSRPD	ug/L		21.9%	≤61	
Carbon Disulfide	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<10	
			LCS	ug/L	100.0	86.2%	18-120	
			MS	ug/L	100.0	42.4%	10-135	
		(SP 2501685-001)	MSD	ug/L	100.0	41.4%	10-135	
			MSRPD	ug/L		2.3%	≤38	
Carbon Tetrachloride	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	109%	70-130	
			MS	ug/L	10.00	122%	70-140	
		(SP 2501685-001)	MSD	ug/L	10.00	111%	70-140	
			MSRPD	ug/L		9.6%	≤41	
Chlorobenzene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	125%	65-135	
			MS	ug/L	10.00	116%	37-160	
		(SP 2501685-001)	MSD	ug/L	10.00	109%	37-160	
			MSRPD	ug/L		6.0%	≤53	
Chloroethane (Ethyl Chloride)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	151%	40-160	
			MS	ug/L	10.00	136%	14-230	
		(SP 2501685-001)	MSD	ug/L	10.00	96.5%	14-230	
			MSRPD	ug/L		34.0%	≤78	
Chloroform	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	106%	70-135	
			MS	ug/L	10.00	104%	5-273	
		(SP 2501685-001)	MSD	ug/L	10.00	107%	5-273	
			MSRPD	ug/L		2.5%	≤54	
Chloromethane(Methyl Chloride)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	96.5%	5-205	
			MS	ug/L	10.00	95.5%	5-273	
		(SP 2501685-001)	MSD	ug/L	10.00	75.2%	5-273	
			MSRPD	ug/L		23.7%	≤60	
cis-1,3-Dichloropropene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	114%	25-175	
			MS	ug/L	10.00	127%	5-227	
		(SP 2501685-001)	MSD	ug/L	10.00	119%	5-227	
			MSRPD	ug/L		6.1%	≤58	
Dibromochloromethane	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	128%	70-135	
			MS	ug/L	10.00	102%	53-149	

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February 6, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501350
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(SP 2501685-001)	MSD	ug/L	10.00	81.8%	53-149	
			MSRPD	ug/L		9.8%	≤50	
Ethylbenzene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	111%	60-140	
			MS	ug/L	10.00	85.3%	37-162	
		(SP 2501685-001)	MSD	ug/L	10.00	100%	37-162	
			MSRPD	ug/L		15.9%	≤63	
Fluorobenzene	624.1	02/04/2025:201276SBL	Blank	ug/L	10.00	101%	56-154	
			LCS	ug/L	10.00	107%	56-154	
			MS	ug/L	10.00	115%	83-119	
		(SP 2501685-001)	MSD	ug/L	10.00	118%	83-119	
			MSRPD	ug/L		2.6%	≤15	
Methyl tert-Butyl Ether (MTBE)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<5	
			LCS	ug/L	10.00	89.2%	89-136	
			MS	ug/L	10.00	93.3%	45-174	
		(SP 2501685-001)	MSD	ug/L	10.00	52.8%	45-174	
			MSRPD	ug/L		55.4%	≤2	435
Methylene Chloride	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	128%	60-140	
			MS	ug/L	10.00	51.7%	5-221	
		(SP 2501685-001)	MSD	ug/L	10.00	54.7%	5-221	
			MSRPD	ug/L		5.2%	≤28	
Pentafluorobenzene	624.1	02/04/2025:201276SBL	Blank	ug/L	10.00	91.6%	54-168	
			LCS	ug/L	10.00	104%	54-168	
			MS	ug/L	10.00	97.3%	79-136	
		(SP 2501685-001)	MSD	ug/L	10.00	99.9%	79-136	
			MSRPD	ug/L		2.7%	≤3	
Styrene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	110%	74-122	
			MS	ug/L	10.00	97.1%	0-186	
		(SP 2501685-001)	MSD	ug/L	10.00	90.8%	0-186	
			MSRPD	ug/L		6.6%	≤20	
Tetrachloroethylene (PCE)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	117%	70-130	
			MS	ug/L	10.00	119%	64-148	
		(SP 2501685-001)	MSD	ug/L	10.00	115%	64-148	
			MSRPD	ug/L		3.8%	≤39	
Toluene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	114%	70-130	
			MS	ug/L	10.00	141%	47-150	
		(SP 2501685-001)	MSD	ug/L	10.00	109%	47-150	
			MSRPD	ug/L		25.4%	≤41	
trans-1,2-Dichloroethylene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	110%	70-130	
			MS	ug/L	10.00	121%	54-156	
		(SP 2501685-001)	MSD	ug/L	10.00	72.3%	54-156	
			MSRPD	ug/L		50.3%	≤45	435
trans-1,3-Dichloropropene	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	114%	50-150	
			MS	ug/L	10.00	122%	17-183	
		(SP 2501685-001)	MSD	ug/L	10.00	108%	17-183	

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February 6, 2025
Chiquita Canyon Landfill

Lab No. : SP 2501350
Customer No. : 2028560

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			MSRPD	ug/L		11.9%	≤86	
Trichloroethylene (TCE)	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	104%	65-135	
			MS	ug/L	10.00	117%	70-157	
		(SP 2501685-001)	MSD	ug/L	10.00	121%	70-157	
			MSRPD	ug/L		3.2%	≤48	
Trichlorofluoromethane F-11	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	121%	50-150	
			MS	ug/L	10.00	144%	17-181	
		(SP 2501685-001)	MSD	ug/L	10.00	108%	17-181	
			MSRPD	ug/L		28.0%	≤84	
Vinyl Acetate	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<10	
			LCS	ug/L	100.0	85.2%	52-178	
			MS	ug/L	100.0	89.3%	0-243	
		(SP 2501685-001)	MSD	ug/L	100.0	39.3%	0-243	
			MSRPD	ug/L		77.8%	≤116	
Vinyl Chloride	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	105%	5-195	
			MS	ug/L	10.00	112%	5-251	
		(SP 2501685-001)	MSD	ug/L	10.00	117%	5-251	
			MSRPD	ug/L		4.4%	≤66	
Xylenes m,p	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	112%	72-120	
			MS	ug/L	20.00	83.3%	35-157	
		(SP 2501685-001)	MSD	ug/L	20.00	99.7%	35-157	
			MSRPD	ug/L		17.9%	≤16	435
Xylenes o	624.1	02/04/2025:201276SBL	Blank	ug/L		ND	<0.5	
			LCS	ug/L	10.00	113%	72-119	
			MS	ug/L	10.00	99.1%	52-143	
		(SP 2501685-001)	MSD	ug/L	10.00	93.1%	52-143	
			MSRPD	ug/L		6.2%	≤24	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

www.fglinc.com

CHAIN OF CUSTODY
AND ANALYSIS REQUEST DOCUMENT

ORIGINAL

CLIENT DETAILS — SECTION I

Client: Chiquita Landfill
☐ New Customer Customer Number:
Address: 29201 Henry Mayo Dr Castaic
Phone: 425-414-2903 Fax:
E-Mail:
Project name:
Contact person: Blanca Hoffmeier/Matt Brewer
Billing Information (if different from above)
Name:
Address:
Phone: Fax:
E-Mail:
Contact person:
Purchase order/contract/FGL quote number:
Pre Log Required: yes ____ Frequency: Monthly☐ Weekly☐ Quarterly☐ Other☐

SAMPLING — SECTION II

Sampler (s): Blanca Hoffmeier
Isaac Hoffmeier
Comp Sampler Set up Date: Time:
Time: Mileage:
Shipping Charge: Pickup Charge:

REPORT INFORMATION — SECTION III

Rush Analysis (surcharge will apply):
☐5 Day ☐4 Day ☐3 Day ☐2 Day ☐24 hour
Rush pre-approved by lab:
Electronic Data Transfer: ☐yes ☐no
If yes, To: State ____ Client ____ Other ____
Lab number: 7501350

SAMPLE INFORMATION — SECTION IV

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite (C) or Grab (G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (AgW) Ag Water (WW) Wastewater (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	BacT: (Sys) System (SRC) Source (W) Waste	BacT: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL)	(LT) Leaf Tissue (PET) Petiole Tissue (PRD) Produce	Preservative: (1) NaOH + ZnAc, (2) NaOH, (3) HCL (4) H_2SO_4, (5) HNO_3, (6) $Na_2S_2O_3$, (7) Other ____	Analyses Requested			
	South Basin - Phase 1	1/28/25	12:15					Storm							X 624.1	X EPA 8260 - Sub.

REMARKS — SECTION V

CUSTODY — SECTION VI

Relinquished by and subject to the terms and conditions on the reverse of this document:
Date: 1/28/25 Time: 1316 Relinquished by: Date: Time:
Received by: MC Date: 1/28/25 Time: 1316 Received by: Date: Time:
Relinquished by: Date: Time: Relinquished by: Date: Time:
Received by: Date: Time: Received by: Date: Time:

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805) 392-2000
FAX: (805) 525-4172

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209) 942-0182
FAX: (209) 942-0423

RUI 16 TH261

Office & Laboratory
563 East Lindo Avenue
Chico, CA 95926
TEL: (530) 343-5818
FAX: (530) 343-3807

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805) 783-2940
FAX: (805) 783-2912

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559) 734-9473
FAX: (559) 734-9425

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to
Zalco Laboratories, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501350**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 8260 - Appendix II	***Report only the compounds on the 40CFR258 Appx II list***	***Requires MDL Reporting**** 40ml(AGT)								
1	South Sedimentaion Basin - Sta	01/28/2025	12:15	G	STM					4									

Remarks
Sample 1: MDL Reporting

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

Office & Laboratory
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Condition Upon Receipt (Attach to COC) SP 2501350

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH261**
4. Were samples received on Ice? **Yes** **No** Temps: **ROI** / **16C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **No** **N/A**
7. Verify sample date, time, sampler **Yes** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** **No**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **Yes** **No**
2. Did bottle labels correspond with the client's ID's? **Yes** **No**
3. Were all bottles requiring sample preservation properly preserved? **Yes** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **N/A**
5. Were all analyses within holding times at time of receipt? **Yes** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **N/A**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/28/2025-17:19:32

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
SP 2501350
MDC-01/28/2025-17:19:32

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525495
Report Level : II
Report Date : 02/19/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - SW - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	525495
Project No:	SW - IGP
Location:	SW - IGP
Date Received:	02/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN-WESTERN INLET	525495-001	02/05/25 09:10	Water
SOUTH BASIN-EASTERN INLET	525495-002	02/05/25 09:30	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 525495 Project No: SW - IGP Location: SW - IGP Date Received: 02/05/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

- High RPD was observed for total suspended solids in the SDUP of SOUTH BASIN-WESTERN INLET (lab # 525495-001).
- No other analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):
No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

Enthalpy Analytical 525495

Chain of Custody

Pg 1 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: Matt Tyssk, Caleb Hancyk

Project Information

Project ID: Chiquita Canyon Landfill - IGP
Project Number:

TAT

Standard	Rush
10 Days ●	___ Days / Hours ○

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	Analysis Request: TSS (SM 2540-D)	Analysis Request: O&G (EPA 1664A)	Analysis Request: Fe (EPA 200.7)	Analysis Request: Chloride (EPA 300.0)	Analysis Request: Coliform Bacteria, Total (EPA 9221 B, C, or E)	Analysis Request: E coli (SM 9221F)	Notes
SOUTH Basin- Western Inlet	2/5	0910		X	X		X	X	X		X	X	X			6	X	X	X	X	X	X	Field pH: 7.80
SOUTH Basin- Eastern Inlet	2/5	0930		X	X		X	X	X		X	X	X			6	X	X	X	X	X	X	Field pH: 6.66

Relinquished by	Received by	Date	Time
Matt Tyssk	[signature]	2/5/25	1300
[signature]	A. Gutierrez EA-ORA	2/5/25	15:02

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: | Mileage: | Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 2/5/25 WO# 525495 Client: Chiquita - Waste Connection

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: Walk-In

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None
☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: I CF: _____
Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**
☑ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☑ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 2/5/25 **By (print)** AES **(sign)** _____
Date Labeled 2/5/25 **By (print)** EL Orange **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 525495

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525495
Project No: SW - IGP
Location: SW - IGP
Date Received: 02/05/25

Sample ID: SOUTH BASIN-WESTERN INLET | **Lab ID:** 525495-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

525495-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	4.9	2.0	0.97	363196	02/16/25	02/17/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**30**		mg/L	0.46	0.46	10	362292	02/06/25	02/12/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**7.0**		mg/L	1.0	0.20	1	362278	02/06/25 10:00	02/06/25 15:09	JAA
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	362246	02/05/25 16:50	02/07/25 16:13	BLV
Method: SM 9221F										
Coliform, E. Coli	**290**		MPN/100ml	1.8		1	362246	02/05/25 16:50	02/07/25 16:13	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3,500**		mg/L	0.5		1	362458	02/08/25	02/08/25	DXA

Sample ID: SOUTH BASIN-EASTERN INLET | **Lab ID:** 525495-002 | **Matrix:** Water | **Collected:** 02/05/25 09:30

525495-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**80**		mg/L	5.0	2.1	1	363196	02/16/25	02/17/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**30**		mg/L	0.41	0.41	10	362388	02/07/25	02/07/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**110**		mg/L	1.0	0.27	1	362453	02/07/25 19:55	02/08/25 06:48	JAA
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	362246	02/05/25 16:50	02/07/25 16:13	BLV
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	362246	02/05/25 16:50	02/07/25 16:13	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**19,000**		mg/L	0.5		1	362541	02/10/25	02/10/25	DXA

Results for any subcontracted analyses are not included in this section.

Analysis Results for 525495

> Value exceeds indicated concentration
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1229889	Batch: 363196
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1229889 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	02/16/25	02/17/25

Type: Lab Control Sample	Lab ID: QC1229890	Batch: 363196
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1229890 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.30	40.00	mg/L	91%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1229891	Batch: 363196
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1229891 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.70	40.00	mg/L	92%		78-114	1	18

Type: Blank	Lab ID: QC1226658	Batch: 362292
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226658 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	02/06/25	02/06/25

Type: Lab Control Sample	Lab ID: QC1226659	Batch: 362292
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226659 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3810	0.4000	mg/L	95%		85-115

Type: Matrix Spike	Lab ID: QC1226660	Batch: 362292
Matrix (Source ID): Water (525378-010)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226660 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	89.52	90.36	0.4000	mg/L	-210%	E,NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1226661	Batch: 362292
Matrix (Source ID): Water (525378-010)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226661 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	89.16	90.36	0.4000	mg/L	-299%	E,NM	75-125		20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1226662	Batch:	362292
Matrix (Source ID):	Water (525378-012)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1226662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	97.79	96.58	0.4000	mg/L	303%	E,NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1226663	Batch:	362292
Matrix (Source ID):	Water (525378-012)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1226663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	97.34	96.58	0.4000	mg/L	190%	E,NM	75-125		20	1

Type:	Serial Dilution	Lab ID:	QC1226870	Batch:	362292
Matrix (Source ID):	Water (525378-010)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1226870 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	100.0	97.56	mg/L				50

Type:	Blank	Lab ID:	QC1227002	Batch:	362388
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227002 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	02/07/25	02/07/25

Type:	Lab Control Sample	Lab ID:	QC1227003	Batch:	362388
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227003 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3781	0.4000	mg/L	95%		85-115

Type:	Matrix Spike	Lab ID:	QC1227004	Batch:	362388
Matrix (Source ID):	Water (525488-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227004 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	3.341	2.993	0.4000	mg/L	87%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1227005	Batch:	362388
Matrix (Source ID):	Water (525488-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227005 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	3.381	2.993	0.4000	mg/L	97%	NM	75-125	1	20	1

Type:	Blank	Lab ID:	QC1226672	Batch:	362278
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1226672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.20	02/06/25 10:00	02/06/25 14:28

Type:	Matrix Spike	Lab ID:	QC1226673	Batch:	362278
Matrix (Source ID):	Water (525495-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1226673 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	110.9	7.009	100.0	mg/L	104%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1226674	Batch:	362278
Matrix (Source ID):	Water (525495-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1226674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	107.6	7.009	100.0	mg/L	101%		80-120	3	20	1

Type:	Lab Control Sample	Lab ID:	QC1226675	Batch:	362278
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1226675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.59	50.00	mg/L	95%		90-110

Type:	Matrix Spike	Lab ID:	QC1226756	Batch:	362278
Matrix (Source ID):	Water (525516-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1226756 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	105.7	5.247	100.0	mg/L	100%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1226757	Batch:	362278
Matrix (Source ID):	Water (525516-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1226757 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	106.2	5.247	100.0	mg/L	101%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1227223	Batch:	362453
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1227223 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	02/07/25 19:55	02/08/25 03:40

Type:	Lab Control Sample	Lab ID:	QC1227224	Batch:	362453
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1227224 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.90	50.00	mg/L	96%		90-110

Type:	Matrix Spike	Lab ID:	QC1227225	Batch:	362453
Matrix (Source ID):	Water (525656-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1227225 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	107.4	8.612	100.0	mg/L	99%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1227226	Batch:	362453
Matrix (Source ID):	Water (525656-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1227226 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	107.7	8.612	100.0	mg/L	99%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1227255	Batch:	362458
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1227255 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/08/25	02/08/25

Type:	Lab Control Sample	Lab ID:	QC1227256	Batch:	362458
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1227256 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	100.2	100.0	mg/L	100%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1227257	Batch:	362458
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1227257 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	104.8	100.0	mg/L	105%		90-110	4	5

Type:	Sample Duplicate	Lab ID:	QC1227258	Batch:	362458
Matrix (Source ID):	Water (525495-001)	Method:	SM2540D	Prep Method:	METHOD

QC1227258 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	3,694	3456	mg/L		7*	5	1

Type:	Sample Duplicate	Lab ID:	QC1227259	Batch:	362458
Matrix (Source ID):	Water (525615-001)	Method:	SM2540D	Prep Method:	METHOD

QC1227259 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	207.6	213.9	mg/L		3	5	1

Type:	Blank	Lab ID:	QC1227595	Batch:	362541
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1227595 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/10/25	02/10/25

Type:	Lab Control Sample	Lab ID:	QC1227596	Batch:	362541
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1227596 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	100.2	100.0	mg/L	100%		90-110

Type:	Lab Control Sample Duplicate	Lab ID:	QC1227597	Batch:	362541
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1227597 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	99.10	100.0	mg/L	99%		90-110	1	5

Type:	Sample Duplicate	Lab ID:	QC1227598	Batch:	362541
Matrix (Source ID):	Water (525193-004)	Method:	SM2540D	Prep Method:	METHOD

QC1227598 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	101.2	97.62	mg/L		4	5	1

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1227599**	**Batch:**	**362541**
Matrix (Source ID):	**Water (525698-002)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1227599 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	355.6	350.9	mg/L		1	5	1

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525497
Report Level : II
Report Date : 02/19/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - Stormwater - Subchapter N

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	525497 SW - SUBCHAPTER N Stormwater - Subchapter N 02/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN-WESTERN INLET	525497-001	02/05/25 09:10	Water
SOUTH BASIN-EASTERN INLET	525497-002	02/05/25 09:30	Water
TRIP BLANK	525497-003	02/05/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 525497 Project No: SW - SUBCHAPTER N Location: Stormwater - Subchapter N Date Received: 02/05/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.

Semivolatile Organics by GC/MS (EPA 625.1):

- SOUTH BASIN-EASTERN INLET (lab # 525497-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 200.8):
No analytical problems were encountered.

Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

FGL 525497

Chain of Custody

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655
Additionally Report To	
tmb@swteng.com / 909-390-1328	Sampler Name: Matt Tuggle, Caleb Hercyk
aav@swteng.com / 415-717-0910	
stormwater@wasteconnections.com	

Project Information

Project ID: Chiquita Canyon Landfill - Subchapter N

Project Number:

TAT

Standard	Rush
10 Days ●	___ Days / Hours ○

*Excluding parameters sampled as part of IGP analysis

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	BOD (SM 5210B)	Ammonia (as Nitrogen) (SM 2540-D)	α - Terpineol (USEPA 8270)	Benzoic Acid (USEPA 625)	Naphthalene (USEPA 625)	p-Cresol (USEPA 625)	Phenol (USEPA 625)	Pyridine (USEPA 625)	Arsenic (USEPA 200.8)	Chromium (USEPA 200.7/200.8)	Zinc (USEPA 200.8)	Notes
SOUTH Basin- Western Inlet	2/5	0910		X	X		X	X	X	X	X	X	X			5	X	X	X	X	X	X	X	X	X	X	X	Field pH: 7.80
SOUTH Basin- Eastern Inlet	2/5	0930		X	X		X	X	X	X	X	X	X			5	X	X	X	X	X	X	X	X	X	X	X	Field pH: 6.66

Relinquished by	Received by	Date	Time
Matt Tuggle	[signature]	2/5/15	1300
[signature]	[signature] LA-ORA	2/5/15	15:07

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time:	Mileage:	Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/5/25 WO# 5254197 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☑ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☑ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: _____ CF: _____

Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?		✓	
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?		✓	
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments ☐ **PM notified**

4.5 1x T3 vial was received, but not listed on COC

4.7: 4 containers received for Samples 1 and 2.

Date Logged 2/5/25 **By (print)** AES **(sign)** _____

Date Labeled 2/5/25 **By (print)** BT Orange **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 525497

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525497
Project No: SW - SUBCHAPTER N
Location: Stormwater - Subchapter N
Date Received: 02/05/25

Sample ID: SOUTH BASIN-WESTERN INLET | **Lab ID:** 525497-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

525497-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**5.0**		ug/L	2.0	0.21	1	362287	02/06/25	02/06/25	DXC
Chromium	**6.4**		ug/L	5.0	0.34	1	362287	02/06/25	02/06/25	DXC
Zinc	**57**		ug/L	10	7.6	1	362287	02/06/25	02/06/25	DXC
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.25**		mg/L	0.10	0.050	1	363051	02/14/25	02/17/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	**14**	J	ug/L	48	6.0	0.95	362383	02/07/25	02/07/25	ZFA
Pyridine	ND		ug/L	9.5	1.6	0.95	362383	02/07/25	02/07/25	ZFA
Phenol	ND		ug/L	9.5	0.74	0.95	362383	02/07/25	02/07/25	ZFA
2-Methylphenol	ND		ug/L	9.5	1.3	0.95	362383	02/07/25	02/07/25	ZFA
3-,4-Methylphenol	ND		ug/L	9.5	1.2	0.95	362383	02/07/25	02/07/25	ZFA
Naphthalene	ND		ug/L	9.5	1.1	0.95	362383	02/07/25	02/07/25	ZFA
Cresol	ND		ug/L	9.5		0.95	362383	02/07/25	02/07/25	ZFA
TIC:a-Terpineol	ND		ug/L			0.95	362383	02/07/25	02/07/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	45%		%REC	10-140		0.95	362383	02/07/25	02/07/25	ZFA
Phenol-d6	31%		%REC	10-140		0.95	362383	02/07/25	02/07/25	ZFA
2,4,6-Tribromophenol	60%		%REC	12-140		0.95	362383	02/07/25	02/07/25	ZFA
Nitrobenzene-d5	58%		%REC	10-140		0.95	362383	02/07/25	02/07/25	ZFA
2-Fluorobiphenyl	45%		%REC	11-140		0.95	362383	02/07/25	02/07/25	ZFA
Terphenyl-d14	53%		%REC	20-140		0.95	362383	02/07/25	02/07/25	ZFA
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.7**	BOD5	mg/L	3.0		1	362238	02/05/25 20:49	02/10/25 15:05	ARM

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525497

Sample ID:	Lab ID: 525497-002	Collected: 02/05/25 09:30
SOUTH BASIN-EASTERN INLET	Matrix: Water	

525497-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**29**		ug/L	2.0	0.21	1	362409	02/07/25	02/08/25	KAM
Chromium	**47**		ug/L	5.0	0.34	1	362409	02/07/25	02/08/25	KAM
Zinc	**3,000**		ug/L	200	150	20	362409	02/07/25	02/11/25	KAM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.59**		mg/L	0.10	0.050	1	363051	02/14/25	02/17/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	**260**	J	ug/L	1,000	130	20	362383	02/07/25	02/07/25	ZFA
Pyridine	ND		ug/L	200	35	20	362383	02/07/25	02/07/25	ZFA
Phenol	ND		ug/L	200	15	20	362383	02/07/25	02/07/25	ZFA
2-Methylphenol	ND		ug/L	200	26	20	362383	02/07/25	02/07/25	ZFA
3-,4-Methylphenol	ND		ug/L	200	26	20	362383	02/07/25	02/07/25	ZFA
Naphthalene	ND		ug/L	200	22	20	362383	02/07/25	02/07/25	ZFA
Cresol	ND		ug/L	200		20	362383	02/07/25	02/07/25	ZFA
TIC:a-Terpineol	ND		ug/L			20	362383	02/07/25	02/07/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	38%		%REC	10-140		20	362383	02/07/25	02/07/25	ZFA
Phenol-d6	39%		%REC	10-140		20	362383	02/07/25	02/07/25	ZFA
2,4,6-Tribromophenol	54%		%REC	12-140		20	362383	02/07/25	02/07/25	ZFA
Nitrobenzene-d5	43%		%REC	10-140		20	362383	02/07/25	02/07/25	ZFA
2-Fluorobiphenyl	33%		%REC	11-140		20	362383	02/07/25	02/07/25	ZFA
Terphenyl-d14	42%		%REC	20-140		20	362383	02/07/25	02/07/25	ZFA
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**10**		mg/L	3.0		1	362238	02/05/25 20:49	02/10/25 15:05	ARM

BOD5 Estimated result, under-depleted, highest volume replicate reported
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1226631	Batch: 362287
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1226631 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.21	02/06/25	02/06/25
Chromium	ND		ug/L	5.0	0.34	02/06/25	02/06/25
Zinc	ND		ug/L	10	7.6	02/06/25	02/06/25

Type: Lab Control Sample	Lab ID: QC1226634	Batch: 362287
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1226634 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	98.36	100.0	ug/L	98%		85-115
Chromium	105.2	100.0	ug/L	105%		85-115
Zinc	98.98	100.0	ug/L	99%		85-115

Type: Matrix Spike	Lab ID: QC1226637	Batch: 362287
Matrix (Source ID): Water (525265-003)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1226637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	96.42	1.022	100.0	ug/L	95%		70-130	1
Chromium	111.3	7.341	100.0	ug/L	104%		70-130	1
Zinc	141.2	45.37	100.0	ug/L	96%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1226638	Batch: 362287
Matrix (Source ID): Water (525265-003)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1226638 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	96.83	1.022	100.0	ug/L	96%		70-130	0	20	1
Chromium	107.7	7.341	100.0	ug/L	100%		70-130	3	20	1
Zinc	145.7	45.37	100.0	ug/L	100%		70-130	3	20	1

Type: Blank	Lab ID: QC1227084	Batch: 362409
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1227084 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.21	02/07/25	02/08/25
Chromium	ND		ug/L	5.0	0.34	02/07/25	02/08/25
Zinc	ND		ug/L	10	7.6	02/07/25	02/08/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1227085	Batch:	362409
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227085 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	98.63	100.0	ug/L	99%		85-115
Chromium	94.84	100.0	ug/L	95%		85-115
Zinc	101.3	100.0	ug/L	101%		85-115

Type:	Matrix Spike	Lab ID:	QC1227086	Batch:	362409
Matrix (Source ID):	Water (525585-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227086 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	97.63	4.576	100.0	ug/L	93%		70-130	1
Chromium	102.0	9.477	100.0	ug/L	93%		70-130	1
Zinc	545.1	384.0	100.0	ug/L		DO	70-130	100

Type:	Matrix Spike Duplicate	Lab ID:	QC1227087	Batch:	362409
Matrix (Source ID):	Water (525585-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227087 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	101.0	4.576	100.0	ug/L	96%		70-130	3	20	1
Chromium	104.1	9.477	100.0	ug/L	95%		70-130	2	20	1
Zinc	717.6	384.0	100.0	ug/L		DO	70-130		20	100

Type:	Matrix Spike	Lab ID:	QC1227095	Batch:	362409
Matrix (Source ID):	Water (525585-004)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227095 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	99.34	0.9660	100.0	ug/L	98%		70-130	1
Chromium	94.23	0.8880	100.0	ug/L	93%		70-130	1
Zinc	316.2	228.2	100.0	ug/L	88%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1227096	Batch:	362409
Matrix (Source ID):	Water (525585-004)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227096 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	100.8	0.9660	100.0	ug/L	100%		70-130	1	20	1
Chromium	95.53	0.8880	100.0	ug/L	95%		70-130	1	20	1
Zinc	317.2	228.2	100.0	ug/L	89%		70-130	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229328**	**Batch:**	**363051**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1229328 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9628	1.000	mg/L	96%		90-110

Type:	**Blank**	**Lab ID:**	**QC1229329**	**Batch:**	**363051**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1229329 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	02/14/25	02/17/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1229423**	**Batch:**	**363051**
Matrix (Source ID):	**Water (525697-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1229423 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.124	0.1766	1.000	mg/L	95%		90-110	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1229424**	**Batch:**	**363051**
Matrix (Source ID):	**Water (525697-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1229424 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.203	0.1766	1.000	mg/L	103%		90-110	7	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1229425**	**Batch:**	**363051**
Matrix (Source ID):	**Water (525697-002)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1229425 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.145	0.1809	1.000	mg/L	96%		90-110	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1229426**	**Batch:**	**363051**
Matrix (Source ID):	**Water (525697-002)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1229426 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.217	0.1809	1.000	mg/L	104%		90-110	6	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1226980	Batch: 362383
Matrix: Water	Method: EPA 625.1	Prep Method: EPA 3510C

QC1226980 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	6.3	02/07/25	02/07/25
Pyridine	ND		ug/L	10	1.7	02/07/25	02/07/25
Phenol	ND		ug/L	10	0.77	02/07/25	02/07/25
2-Methylphenol	ND		ug/L	10	1.3	02/07/25	02/07/25
3-,4-Methylphenol	ND		ug/L	10	1.3	02/07/25	02/07/25
Naphthalene	ND		ug/L	10	1.1	02/07/25	02/07/25
Cresol	ND		ug/L	10		02/07/25	02/07/25
TIC:a-Terpineol	ND		ug/L			02/07/25	02/07/25
Surrogates				**Limits**			
2-Fluorophenol	52%		%REC	20-140		02/07/25	02/07/25
Phenol-d6	34%		%REC	20-140		02/07/25	02/07/25
2,4,6-Tribromophenol	73%		%REC	20-140		02/07/25	02/07/25
Nitrobenzene-d5	81%		%REC	20-140		02/07/25	02/07/25
2-Fluorobiphenyl	75%		%REC	20-140		02/07/25	02/07/25
Terphenyl-d14	80%		%REC	20-140		02/07/25	02/07/25

Type: Lab Control Sample	Lab ID: QC1226981	Batch: 362383
Matrix: Water	Method: EPA 625.1	Prep Method: EPA 3510C

QC1226981 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	30.70	75.00	ug/L	41%		13-120
3-,4-Methylphenol	58.65	75.00	ug/L	78%		29-120
Surrogates						
2-Fluorophenol	22.42	40.00	ug/L	56%		20-140
Phenol-d6	15.03	40.00	ug/L	38%		20-140
2,4,6-Tribromophenol	33.40	40.00	ug/L	83%		20-140
Nitrobenzene-d5	35.64	40.00	ug/L	89%		20-140
2-Fluorobiphenyl	30.09	40.00	ug/L	75%		20-140
Terphenyl-d14	30.91	40.00	ug/L	77%		20-140

Type: Lab Control Sample Duplicate	Lab ID: QC1226982	Batch: 362383
Matrix: Water	Method: EPA 625.1	Prep Method: EPA 3510C

QC1226982 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	28.93	75.00	ug/L	39%		13-120	6	62
3-,4-Methylphenol	58.86	75.00	ug/L	78%		29-120	0	62
Surrogates								
2-Fluorophenol	20.93	40.00	ug/L	52%		20-140		
Phenol-d6	14.18	40.00	ug/L	35%		20-140		
2,4,6-Tribromophenol	32.94	40.00	ug/L	82%		20-140		
Nitrobenzene-d5	36.36	40.00	ug/L	91%		20-140		
2-Fluorobiphenyl	29.47	40.00	ug/L	74%		20-140		
Terphenyl-d14	27.60	40.00	ug/L	69%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1226457**	**Batch: 362238**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC1226457 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND	BOD4	mg/L	3.0		02/05/25 17:45	02/10/25 15:05

Type: Lab Control Sample	**Lab ID: QC1226458**	**Batch: 362238**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC1226458 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	201.1	198.0	mg/L	102%		84.6-115.4

Type: Sample Duplicate	**Lab ID: QC1226459**	**Batch: 362238**
Matrix (Source ID): Water (525194-003)	**Method: SM5210B**	**Prep Method: METHOD**

QC1226459 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Biochemical Oxygen Demand	2,787	2231	mg/L	BOD1	22	30	1

BOD1 Estimated result, sample exibits toxicity; lowest volume replicate reported
BOD4 Estimated result, dissolved oxygen loss observed in blank water check
DO Diluted Out
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525499
Report Level : II
Report Date : 02/19/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	525499
Project No:	SW - MPARS
Location:	SW - MPARS
Date Received:	02/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN-WESTERN INLET	525499-001	02/05/25 09:10	Water
SOUTH BASIN-EASTERN INLET	525499-002	02/05/25 09:30	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 525499 Project No: SW - MPARS Location: SW - MPARS Date Received: 02/05/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):

- High recoveries were observed for total organic carbon in the MS/MSD for batch 362507; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 200.7 and EPA 200.8):

- High recovery was observed for boron in the MSD for batch 362409; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Magnesium was detected between the MDL and the RL in the method blank for batch 362292; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):

- High RPD was observed for total dissolved solids in the SDUP for batch 362403; the parent sample was not a project sample.
- No other analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

FGL 5254499

Chain of Custody

Pg 3 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655
Additionally Report To: tmb@swteng.com / 909-390-1328; aav@swteng.com / 415-717-0910; stormwater@wasteconnections.com	Sampler Name: Matt Tuggle, Caleb Hevcyk

Project Information
Project ID: Chiquita Canyon Landfill - MPars
Project Number:

TAT
Standard: 10 Days ● | Rush: ___ Days / Hours ○

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	Analysis Request: VOCs 8260B	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Nitrate-N	COD,SO4, TDS, TOC	B, Ca, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon Dioxide
SOUTH Basin- Western Inlet	2/5	0910	X	X	X			X	X	X	X		X			12	X	X	X	X	X	X	X	X	X
SOUTH Basin- Eastern Inlet	2/5	0930	X	X	X			X	X	X	X		X			12	X	X	X	X	X	X	X	X	X

*Excluding parameters sampled as part of IGP & Sub N analysis

Notes

Field pH:	Turbidity:	Temp:	Specific Conductance:
7.80		16.2°C	
6.66		15.9°C	

Relinquished by	Received by	Date	Time
Matt Tuggle		2/5/23	1310
	Courtney EA-024	2/5/23	1507

DDW Write On EDT Transmission ○ Yes ● No
State System Numbe _____
If "Y" please enter the Source Number(s) in the column above
CA Geotracker EDF Re| ○ Yes ● No
Global ID: Sampling Company Log Code:
EDF to (Email Address):
Travel and Site Time: Mileage: Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 2/5/25 WO# 5254991 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: Walk-In

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None
☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures) AES 2/5/25
If no cooler: Observed/Adjusted Temp (°C): ____/____ Thermometer/IR Gun: 1 CF: ____
Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm? AES 2/5/25	✓		

Section 5: Explanations / Comments ☐ **PM notified**

4.13 – No; 2/3 HCl vials exceed headspace for sample 2

Date Logged 2/5/25 **By (print)** AES **(sign)**
Date Labeled 2/5/25 **By (print)** EA. Orange **(sign)**

Zach Barker

From: Elbie Cannon <ecannon@cteh.com>
Sent: Thursday, February 6, 2025 10:37 AM
To: Zach Barker; Elbie Cannon; kate.logan@wasteconnections.com
Subject: Re: [External] MPars - Turbidity & Conductivity

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Yes. Enthalpy will be conducting the analysis for conductivity and turbidity.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

From: Zach Barker <Zach.barker@enthalpy.com>
Date: Thursday, February 6, 2025 at 12:27
To: Elbie Cannon <ecannon@montrose-env.com>, kate.logan@wasteconnections.com <kate.logan@wasteconnections.com>
Subject: [External] MPars - Turbidity & Conductivity

Hi Elbie and Kate,

Elbie, as we discussed yesterday, Enthalpy will analyze conductivity and turbidity on the MPars COC as CTEH staff did not have a turbidity and conductivity meter in the field.

Please acknowledge that we will be analyzing these constituents on the MPars report. If you would like those analyses to be canceled, please advise.

Thanks,

Zach Barker
Project Manager
Enthalpy Analytical
931 W Barkley Ave. | Orange, CA 92868
Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
zach.barker@enthalpy.com |enthalpy.com
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ENTHALPY ANALYTICAL

Analysis Results for 525499

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525499
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 02/05/25

Sample ID: SOUTH BASIN-WESTERN INLET | **Lab ID:** 525499-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

525499-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**140**		mg/L	0.57	0.57	1	362292	02/06/25	02/06/25	CAP
Magnesium	**22**		mg/L	0.10	0.025	1	362292	02/06/25	02/06/25	CAP
Potassium	**8.5**		mg/L	0.50	0.42	1	362292	02/06/25	02/06/25	CAP
Sodium	**24**		mg/L	0.50	0.34	1	362292	02/06/25	02/06/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**240**		ug/L	200	110	20	362360	02/06/25	02/07/25	KAM
Manganese	**2,200**		ug/L	200	85	20	362360	02/06/25	02/11/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.16**	J	mg/L	0.20	0.040	1	362278	02/06/25 10:00	02/06/25 16:58	JAA
Nitrogen, Nitrite	**0.03**	J	mg/L	0.10	0.02	1	362278	02/06/25 10:00	02/06/25 16:58	JAA
Bromide	ND		mg/L	0.30	0.065	1	362278	02/06/25 10:00	02/06/25 16:58	JAA
Nitrogen, Nitrate	**0.32**		mg/L	0.10	0.06	1	362278	02/06/25 10:00	02/06/25 16:58	JAA
Sulfate	**42**		mg/L	1.0	0.34	1	362278	02/06/25 10:00	02/06/25 16:58	JAA
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	363137	02/15/25	02/15/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Bromomethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Chloroethane	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Acetone	ND		ug/L	100	44	1	363137	02/15/25	02/15/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	363137	02/15/25	02/15/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	363137	02/15/25	02/15/25	LYZ
2-Butanone	**5.3**	J	ug/L	100	2.3	1	363137	02/15/25	02/15/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525499

525499-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	363137	02/15/25	02/15/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Toluene	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.07	1	363137	02/15/25	02/15/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.1	1	363137	02/15/25	02/15/25	LYZ
o-Xylene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
Styrene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	363137	02/15/25	02/15/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
para-Isopropyl Toluene	**0.4**	J	ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	363137	02/15/25	02/15/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
Naphthalene	ND		ug/L	5.0	0.5	1	363137	02/15/25	02/15/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	363137	02/15/25	02/15/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	363137	02/15/25	02/15/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	363137	02/15/25	02/15/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	115%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ
1,2-Dichloroethane-d4	114%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ
Toluene-d8	96%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ
Bromofluorobenzene	96%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525499

525499-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**1.8**		ug/L	1.0	0.95	1	362328	02/06/25	02/07/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	106%		%REC	80-120		1	362328	02/06/25	02/07/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362848	02/12/25	02/12/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**7.0**		mg/L	1.0	0.24	1	362507	02/09/25	02/10/25	DXA
Method: SM2130B										
Turbidity	**120**		NTU	0.10	0.009	1	362334	02/06/25 17:31	02/06/25 17:31	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**65**		mg/L	2.4		1	362493	02/08/25	02/08/25	WWC
Alkalinity, Total as CaCO3	**63**		mg/L	2.0		1	362493	02/08/25	02/08/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**230**		umhos/cm	1.0		1	363313	02/17/25	02/17/25	ARM
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**130**		mg/L	20		2	362403	02/07/25	02/10/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**29**		mg/L	4.0	1.6	1	362676	02/11/25	02/11/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525499

Sample ID:	Lab ID: 525499-002	Collected: 02/05/25 09:30
SOUTH BASIN-EASTERN INLET	Matrix: Water	

525499-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**22,000**		mg/L	57	57	100	362388	02/07/25	02/07/25	CAP
Magnesium	**120**		mg/L	0.10	0.025	1	362388	02/07/25	02/07/25	CAP
Potassium	**42**		mg/L	0.50	0.42	1	362388	02/07/25	02/07/25	CAP
Sodium	**220**		mg/L	0.50	0.34	1	362388	02/07/25	02/07/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**880**		ug/L	200	110	20	362409	02/07/25	02/12/25	KAM
Manganese	**16,000**		ug/L	500	210	50	362409	02/07/25	02/12/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.32**		mg/L	0.20	0.040	1	362278	02/06/25 10:00	02/06/25 17:39	JAA
Nitrogen, Nitrite	**0.23**		mg/L	0.10	0.02	1	362278	02/06/25 10:00	02/06/25 17:39	JAA
Bromide	**0.34**		mg/L	0.30	0.065	1	362278	02/06/25 10:00	02/06/25 17:39	JAA
Nitrogen, Nitrate	**3.7**		mg/L	0.10	0.06	1	362278	02/06/25 10:00	02/06/25 17:39	JAA
Sulfate	**910**		mg/L	10	3.4	10	362278	02/06/25 10:00	02/06/25 18:41	JAA
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	363137	02/15/25	02/15/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Bromomethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Chloroethane	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Acetone	ND		ug/L	100	44	1	363137	02/15/25	02/15/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	363137	02/15/25	02/15/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	363137	02/15/25	02/15/25	LYZ
2-Butanone	ND		ug/L	100	2.3	1	363137	02/15/25	02/15/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Benzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525499

525499-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	363137	02/15/25	02/15/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Toluene	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.07	1	363137	02/15/25	02/15/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.1	1	363137	02/15/25	02/15/25	LYZ
o-Xylene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
Styrene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	363137	02/15/25	02/15/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363137	02/15/25	02/15/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	363137	02/15/25	02/15/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	363137	02/15/25	02/15/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	363137	02/15/25	02/15/25	LYZ
Naphthalene	ND		ug/L	5.0	0.5	1	363137	02/15/25	02/15/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	363137	02/15/25	02/15/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	363137	02/15/25	02/15/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	363137	02/15/25	02/15/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	363137	02/15/25	02/15/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	113%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ
Toluene-d8	98%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ
Bromofluorobenzene	98%		%REC	70-130		1	363137	02/15/25	02/15/25	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	362328	02/06/25	02/07/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	362328	02/06/25	02/07/25	ZFA

Results for any subcontracted analyses are not included in this section.

Analysis Results for 525499

525499-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362848	02/12/25	02/12/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**18**		mg/L	2.0	0.49	2	362507	02/09/25	02/10/25	DXA
Method: SM2130B										
Turbidity	**310**		NTU	0.10	0.009	1	362334	02/06/25 17:31	02/06/25 17:31	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**130**		mg/L	6.0		2.5	362493	02/08/25	02/08/25	WWC
Alkalinity, Total as CaCO3	**100**		mg/L	5.0		2.5	362493	02/08/25	02/08/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**2,210**		umhos/cm	1.0		1	363313	02/17/25	02/17/25	ARM
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	362403	02/07/25	02/10/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**110**		mg/L	4.0	1.6	1	362676	02/11/25	02/11/25	DXA

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1226658	Batch: 362292
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226658 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	02/06/25	02/06/25
Magnesium	0.027	J	mg/L	0.10	0.025	02/06/25	02/06/25
Potassium	ND		mg/L	0.50	0.42	02/06/25	02/06/25
Sodium	ND		mg/L	0.50	0.34	02/06/25	02/06/25

Type: Lab Control Sample	Lab ID: QC1226659	Batch: 362292
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226659 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	20.79	20.40	mg/L	102%		85-115
Magnesium	20.71	20.40	mg/L	102%		85-115
Potassium	23.39	24.00	mg/L	97%		85-115
Sodium	20.45	20.40	mg/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1226660	Batch: 362292
Matrix (Source ID): Water (525378-010)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226660 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	52.65	31.42	20.40	mg/L	104%		75-125	1
Magnesium	25.70	4.891	20.40	mg/L	102%		75-125	1
Potassium	78.92	53.70	24.00	mg/L	105%		75-125	1
Sodium	706.4	694.9	20.40	mg/L	57%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1226661	Batch: 362292
Matrix (Source ID): Water (525378-010)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226661 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	52.14	31.42	20.40	mg/L	102%		75-125	1	20	1
Magnesium	25.34	4.891	20.40	mg/L	100%		75-125	1	20	1
Potassium	78.37	53.70	24.00	mg/L	103%		75-125	1	20	1
Sodium	702.2	694.9	20.40	mg/L	36%	NM	75-125	1	20	1

Type: Matrix Spike	Lab ID: QC1226662	Batch: 362292
Matrix (Source ID): Water (525378-012)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1226662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	85.43	65.10	20.40	mg/L	100%		75-125	1
Magnesium	42.96	22.49	20.40	mg/L	100%		75-125	1
Potassium	69.43	43.49	24.00	mg/L	108%		75-125	1
Sodium	555.1	536.2	20.40	mg/L	92%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1226663	Batch:	362292
Matrix (Source ID):	Water (525378-012)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1226663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	85.17	65.10	20.40	mg/L	98%		75-125	0	20	1
Magnesium	42.75	22.49	20.40	mg/L	99%		75-125	0	20	1
Potassium	68.97	43.49	24.00	mg/L	106%		75-125	1	20	1
Sodium	551.1	536.2	20.40	mg/L	73%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1226870	Batch:	362292
Matrix (Source ID):	Water (525378-010)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1226870 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	28.61	31.42	mg/L				4
Magnesium	4.607	4.891	mg/L				4
Potassium	46.09	53.70	mg/L				4
Sodium	652.2	694.9	mg/L				4

Type:	Blank	Lab ID:	QC1227002	Batch:	362388
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227002 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	02/07/25	02/07/25
Magnesium	ND		mg/L	0.10	0.025	02/07/25	02/07/25
Potassium	ND		mg/L	0.50	0.42	02/07/25	02/07/25
Sodium	ND		mg/L	0.50	0.34	02/07/25	02/07/25

Type:	Lab Control Sample	Lab ID:	QC1227003	Batch:	362388
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227003 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	19.32	20.40	mg/L	95%		85-115
Magnesium	19.05	20.40	mg/L	93%		85-115
Potassium	22.22	24.00	mg/L	93%		85-115
Sodium	19.43	20.40	mg/L	95%		85-115

Type:	Matrix Spike	Lab ID:	QC1227004	Batch:	362388
Matrix (Source ID):	Water (525488-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227004 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	25.68	6.637	20.40	mg/L	93%		75-125	1
Magnesium	21.99	3.029	20.40	mg/L	93%		75-125	1
Potassium	25.85	3.774	24.00	mg/L	92%		75-125	1
Sodium	23.24	4.191	20.40	mg/L	93%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1227005	Batch:	362388
Matrix (Source ID):	Water (525488-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1227005 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	26.11	6.637	20.40	mg/L	95%		75-125	2	20	1
Magnesium	22.36	3.029	20.40	mg/L	95%		75-125	2	20	1
Potassium	26.26	3.774	24.00	mg/L	94%		75-125	2	20	1
Sodium	23.57	4.191	20.40	mg/L	95%		75-125	1	20	1

Type:	Blank	Lab ID:	QC1226881	Batch:	362360
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1226881 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.6	02/06/25	02/07/25
Manganese	ND		ug/L	10	1.7	02/06/25	02/07/25

Type:	Lab Control Sample	Lab ID:	QC1226882	Batch:	362360
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1226882 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	86.95	100.0	ug/L	87%		85-115
Manganese	105.6	100.0	ug/L	106%		85-115

Type:	Matrix Spike	Lab ID:	QC1226883	Batch:	362360
Matrix (Source ID):	Water (525559-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1226883 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	707.7	619.3	100.0	ug/L	88%	NM	70-130	20
Manganese	899.5	794.7	100.0	ug/L	105%	E,NM	70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1226884	Batch:	362360
Matrix (Source ID):	Water (525559-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1226884 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	782.0	619.3	100.0	ug/L	163%	NM	70-130	10	20	20
Manganese	877.0	794.7	100.0	ug/L	82%	E,NM	70-130		20	1

Type:	Blank	Lab ID:	QC1227084	Batch:	362409
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227084 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.6	02/07/25	02/12/25
Manganese	ND		ug/L	10	1.7	02/07/25	02/08/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1227085**	**Batch:**	**362409**
Matrix:	**Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1227085 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	93.41	100.0	ug/L	93%		85-115
Manganese	95.51	100.0	ug/L	96%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC1227086**	**Batch:**	**362409**
Matrix (Source ID):	**Water (525585-001)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1227086 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	325.8	233.5	100.0	ug/L	92%		70-130	20
Manganese	342.4	255.5	100.0	ug/L	87%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1227087**	**Batch:**	**362409**
Matrix (Source ID):	**Water (525585-001)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1227087 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	371.0	233.5	100.0	ug/L	137%	*	70-130	13	20	20
Manganese	350.5	255.5	100.0	ug/L	95%		70-130	2	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1227095**	**Batch:**	**362409**
Matrix (Source ID):	**Water (525585-004)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1227095 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	91.25	ND	100.0	ug/L		DO	70-130	20
Manganese	103.6	6.875	100.0	ug/L	97%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1227096**	**Batch:**	**362409**
Matrix (Source ID):	**Water (525585-004)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1227096 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	120.7	ND	100.0	ug/L	121%		70-130		20	20
Manganese	104.8	6.875	100.0	ug/L	98%		70-130	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1226672**	**Batch:**	**362278**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1226672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.040	02/06/25 10:00	02/06/25 14:28
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/06/25 10:00	02/06/25 14:28
Bromide	ND		mg/L	0.30	0.065	02/06/25 10:00	02/06/25 14:28
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	02/06/25 10:00	02/06/25 14:28
Sulfate	ND		mg/L	1.0	0.34	02/06/25 10:00	02/06/25 14:28

Type:	**Matrix Spike**	**Lab ID:**	**QC1226673**	**Batch:**	**362278**
Matrix (Source ID):	**Water (525495-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1226673 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.01	0.1819	20.00	mg/L	99%		80-120	1
Nitrogen, Nitrite	9.433	0.02542	9.134	mg/L	103%		80-120	1
Bromide	15.17	0.06927	15.00	mg/L	101%		80-120	1
Nitrogen, Nitrate	9.431	0.3169	9.036	mg/L	101%		80-120	1
Sulfate	89.55	40.92	50.00	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1226674**	**Batch:**	**362278**
Matrix (Source ID):	**Water (525495-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1226674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.38	0.1819	20.00	mg/L	96%		80-120	3	20	1
Nitrogen, Nitrite	9.087	0.02542	9.134	mg/L	99%		80-120	4	20	1
Bromide	14.67	0.06927	15.00	mg/L	97%		80-120	3	20	1
Nitrogen, Nitrate	9.163	0.3169	9.036	mg/L	98%		80-120	3	20	1
Sulfate	88.08	40.92	50.00	mg/L	94%		80-120	2	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1226675**	**Batch:**	**362278**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1226675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.357	10.00	mg/L	94%		90-110
Nitrogen, Nitrite	4.478	4.567	mg/L	98%		90-110
Bromide	14.77	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.401	4.518	mg/L	97%		90-110
Sulfate	24.38	25.00	mg/L	98%		90-110

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1226756**	**Batch:**	**362278**
Matrix (Source ID):	**Water (525516-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1226756 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.64	0.3247	20.00	mg/L	97%		80-120	1
Nitrogen, Nitrite	9.171	0.1024	9.134	mg/L	99%		80-120	1
Bromide	14.60	ND	15.00	mg/L	97%		80-120	1
Nitrogen, Nitrate	9.579	0.7576	9.036	mg/L	98%		80-120	1
Sulfate	56.68	8.249	50.00	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1226757**	**Batch:**	**362278**
Matrix (Source ID):	**Water (525516-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1226757 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.74	0.3247	20.00	mg/L	97%		80-120	1	20	1
Nitrogen, Nitrite	9.207	0.1024	9.134	mg/L	100%		80-120	0	20	1
Bromide	14.67	ND	15.00	mg/L	98%		80-120	0	20	1
Nitrogen, Nitrate	9.624	0.7576	9.036	mg/L	98%		80-120	0	20	1
Sulfate	56.83	8.249	50.00	mg/L	97%		80-120	0	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229574**	**Batch:**	**363137**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229574 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.63	50.00	ug/L	109%		70-135
MTBE	54.95	50.00	ug/L	110%		70-130
Benzene	57.75	50.00	ug/L	115%		70-130
Trichloroethene	57.39	50.00	ug/L	115%		70-130
Toluene	55.69	50.00	ug/L	111%		70-130
Chlorobenzene	56.79	50.00	ug/L	114%		70-130
Surrogates						
Dibromofluoromethane	53.52	50.00	ug/L	107%		70-130
1,2-Dichloroethane-d4	51.61	50.00	ug/L	103%		70-130
Toluene-d8	47.17	50.00	ug/L	94%		70-130
Bromofluorobenzene	45.62	50.00	ug/L	91%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1229575**	**Batch:**	**363137**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229575 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	47.91	50.00	ug/L	96%		70-135	13	30
MTBE	45.20	50.00	ug/L	90%		70-130	19	30
Benzene	52.07	50.00	ug/L	104%		70-130	10	30
Trichloroethene	54.02	50.00	ug/L	108%		70-130	6	30
Toluene	50.82	50.00	ug/L	102%		70-130	9	30
Chlorobenzene	51.92	50.00	ug/L	104%		70-130	9	30
Surrogates								
Dibromofluoromethane	51.94	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	53.87	50.00	ug/L	108%		70-130		
Toluene-d8	47.49	50.00	ug/L	95%		70-130		
Bromofluorobenzene	47.70	50.00	ug/L	95%		70-130		

Type:	**Matrix Spike**	**Lab ID:**	**QC1229579**	**Batch:**	**363137**
Matrix (Source ID):	**Water (526131-007)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229579 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	21.13	ND	20.00	ug/L	106%		70-130	1
MTBE	19.65	0.2022	20.00	ug/L	97%		75-130	1
Benzene	22.42	ND	20.00	ug/L	112%		70-130	1
Trichloroethene	23.69	ND	20.00	ug/L	118%		63-130	1
Toluene	22.16	ND	20.00	ug/L	111%		70-130	1
Chlorobenzene	22.79	ND	20.00	ug/L	114%		70-130	1
Surrogates								
Dibromofluoromethane	53.76		50.00	ug/L	108%		70-130	1
1,2-Dichloroethane-d4	54.77		50.00	ug/L	110%		70-130	1
Toluene-d8	47.94		50.00	ug/L	96%		70-130	1
Bromofluorobenzene	47.48		50.00	ug/L	95%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1229580**	**Batch:**	**363137**
Matrix (Source ID):	**Water (526131-007)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229580 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.80	ND	20.00	ug/L	99%		70-130	6	30	1
MTBE	17.76	0.2022	20.00	ug/L	88%		75-130	10	30	1
Benzene	21.75	ND	20.00	ug/L	109%		70-130	3	30	1
Trichloroethene	22.83	ND	20.00	ug/L	114%		63-130	4	30	1
Toluene	21.22	ND	20.00	ug/L	106%		70-130	4	30	1
Chlorobenzene	22.10	ND	20.00	ug/L	111%		70-130	3	30	1
Surrogates										
Dibromofluoromethane	52.56		50.00	ug/L	105%		70-130			1
1,2-Dichloroethane-d4	52.71		50.00	ug/L	105%		70-130			1
Toluene-d8	48.18		50.00	ug/L	96%		70-130			1
Bromofluorobenzene	47.56		50.00	ug/L	95%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1229581	**Batch:** 363137	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1229581 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	02/14/25	02/14/25
Freon 12	ND		ug/L	5.0	0.3	02/14/25	02/14/25
Chloromethane	ND		ug/L	5.0	0.4	02/14/25	02/14/25
Vinyl Chloride	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Bromomethane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Chloroethane	ND		ug/L	5.0	0.3	02/14/25	02/14/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Acetone	ND		ug/L	100	44	02/14/25	02/14/25
Freon 113	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Methylene Chloride	ND		ug/L	5.0	3.5	02/14/25	02/14/25
MTBE	ND		ug/L	5.0	0.1	02/14/25	02/14/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	02/14/25	02/14/25
2-Butanone	ND		ug/L	100	2.3	02/14/25	02/14/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Chloroform	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Bromochloromethane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	02/14/25	02/14/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Benzene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Trichloroethene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Dibromomethane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	02/14/25	02/14/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Toluene	ND		ug/L	5.0	0.3	02/14/25	02/14/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Tetrachloroethene	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	02/14/25	02/14/25
Chlorobenzene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Ethylbenzene	ND		ug/L	5.0	0.07	02/14/25	02/14/25
m,p-Xylenes	ND		ug/L	10	0.1	02/14/25	02/14/25
o-Xylene	ND		ug/L	5.0	0.09	02/14/25	02/14/25
Styrene	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Bromoform	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Isopropylbenzene	ND		ug/L	5.0	0.09	02/14/25	02/14/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	02/14/25	02/14/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/14/25	02/14/25

ENTHALPY ANALYTICAL

Batch QC

QC1229581 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	02/14/25	02/14/25
Bromobenzene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	02/14/25	02/14/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	02/14/25	02/14/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	02/14/25	02/14/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	02/14/25	02/14/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	02/14/25	02/14/25
n-Butylbenzene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/14/25	02/14/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	02/14/25	02/14/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	02/14/25	02/14/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	02/14/25	02/14/25
Naphthalene	ND		ug/L	5.0	0.5	02/14/25	02/14/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	02/14/25	02/14/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	02/14/25	02/14/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	02/14/25	02/14/25
Xylene (total)	ND		ug/L	5.0		02/14/25	02/14/25
Surrogates				**Limits**			
Dibromofluoromethane	106%		%REC	70-130		02/14/25	02/14/25
1,2-Dichloroethane-d4	105%		%REC	70-130		02/14/25	02/14/25
Toluene-d8	98%		%REC	70-130		02/14/25	02/14/25
Bromofluorobenzene	101%		%REC	70-130		02/14/25	02/14/25

Type: Blank **Lab ID:** QC1226760 **Batch:** 362328
Matrix: Water **Method:** EPA 8270C-SIM **Prep Method:** EPA 3535

QC1226760 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	02/06/25	02/07/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		02/06/25	02/07/25

Type: Lab Control Sample **Lab ID:** QC1226761 **Batch:** 362328
Matrix: Water **Method:** EPA 8270C-SIM **Prep Method:** EPA 3535

QC1226761 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.231	10.00	ug/L	92%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.07	10.00	ug/L	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1226762	Batch:	362328
Matrix (Source ID):	Water (525346-005)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1226762 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,4-Dioxane	9.615	ND	10.00	ug/L	96%		70-130	1
Surrogates								
1,4-Dioxane-d8 (SUR)	10.22		10.00	ug/L	102%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1226763	Batch:	362328
Matrix (Source ID):	Water (525346-005)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1226763 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,4-Dioxane	9.094	ND	10.00	ug/L	91%		70-130	6	30	1
Surrogates										
1,4-Dioxane-d8 (SUR)	10.01		10.00	ug/L	100%		80-120			1

Type:	Blank	Lab ID:	QC1228629	Batch:	362848
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228629 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/12/25	02/12/25

Type:	Lab Control Sample	Lab ID:	QC1228630	Batch:	362848
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228630 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1228631	Batch:	362848
Matrix (Source ID):	Water (525143-006)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228631 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1228632	Batch:	362848
Matrix (Source ID):	Water (525143-006)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1227456** **Batch: 362507**
Matrix: Water **Method: SM 5310B** **Prep Method: SM 5310B**

QC1227456 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	02/09/25	02/09/25

Type: Lab Control Sample **Lab ID: QC1227457** **Batch: 362507**
Matrix: Water **Method: SM 5310B** **Prep Method: SM 5310B**

QC1227457 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	25.13	25.00	mg/L	101%		85-115

Type: Matrix Spike **Lab ID: QC1227458** **Batch: 362507**
Matrix (Source ID): Drinking Water (525469-001) **Method: SM 5310B** **Prep Method: SM 5310B**

QC1227458 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	45.94	12.78	25.00	mg/L	133%	*	75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC1227459** **Batch: 362507**
Matrix (Source ID): Drinking Water (525469-001) **Method: SM 5310B** **Prep Method: SM 5310B**

QC1227459 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	45.64	12.78	25.00	mg/L	131%	*	75-125	1	25	1

Type: Sample Duplicate **Lab ID: QC1226809** **Batch: 362334**
Matrix (Source ID): Drinking Water (525461-001) **Method: SM2130B**

QC1226809 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	1.480	1.400	NTU		6	20	1

Type: Sample Duplicate **Lab ID: QC1226810** **Batch: 362334**
Matrix (Source ID): Drinking Water (525485-001) **Method: SM2130B**

QC1226810 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	1.650	1.690	NTU		2	20	1

Type: Blank **Lab ID: QC1227406** **Batch: 362493**
Matrix: Drinking Water **Method: SM2320B** **Prep Method: METHOD**

QC1227406 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		02/08/25	02/08/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		02/08/25	02/08/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1227407	Batch:	362493
Matrix:	Drinking Water	Method:	SM2320B	Prep Method:	METHOD

QC1227407 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,031	1000	mg/L	103%		90-110

Type:	Sample Duplicate	Lab ID:	QC1227408	Batch:	362493
Matrix (Source ID):	Water (525483-001)	Method:	SM2320B	Prep Method:	METHOD

QC1227408 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	291.9	291.1	mg/L		0	20	1
Alkalinity, Total as CaCO3	239.2	238.6	mg/L		0	20	1

Type:	Sample Duplicate	Lab ID:	QC1230230	Batch:	363313
Matrix (Source ID):	Water (525499-001)	Method:	SM2510B	Prep Method:	METHOD

QC1230230 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	229.2	233.9	umhos/cm		2	20	1

Type:	Blank	Lab ID:	QC1227066	Batch:	362403
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1227066 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/07/25	02/10/25

Type:	Lab Control Sample	Lab ID:	QC1227067	Batch:	362403
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1227067 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,012	1000	mg/L	101%		90-110

Type:	Sample Duplicate	Lab ID:	QC1227068	Batch:	362403
Matrix (Source ID):	Water (525458-001)	Method:	SM2540C	Prep Method:	METHOD

QC1227068 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	306.0	300.0	mg/L		2	5	2

Type:	Sample Duplicate	Lab ID:	QC1227069	Batch:	362403
Matrix (Source ID):	Water (525458-011)	Method:	SM2540C	Prep Method:	METHOD

QC1227069 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	416.0	478.0	mg/L		14*	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1228079**	**Batch: 362676**
Matrix: Water	**Method: SM5220D**	**Prep Method: METHOD**

QC1228079 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	02/11/25	02/11/25

Type: Lab Control Sample	**Lab ID: QC1228080**	**Batch: 362676**
Matrix: Water	**Method: SM5220D**	**Prep Method: METHOD**

QC1228080 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	107.0	100.0	mg/L	107%		90-110

Type: Matrix Spike	**Lab ID: QC1228081**	**Batch: 362676**
Matrix (Source ID): Water (525484-002)	**Method: SM5220D**	**Prep Method: METHOD**

QC1228081 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	194.0	79.00	100.0	mg/L	115%		77-120	2

Type: Matrix Spike Duplicate	**Lab ID: QC1228082**	**Batch: 362676**
Matrix (Source ID): Water (525484-002)	**Method: SM5220D**	**Prep Method: METHOD**

QC1228082 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	190.0	79.00	100.0	mg/L	111%		77-120	2	20	2

* Value is outside QC limits
DO Diluted Out
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 525499

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2502601

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-525499

Project Location:
Project Received: 02/10/2025

Analytical Report reviewed & approved for release on 02/12/2025 by:

Yen Cao
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502601
Project: EO-525499

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502601

Project: EO-525499

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	Aqueous sample that contains greater than ~1 vol. % sediment

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502601
Date Received:	02/10/2025 8:02	**Extraction Method:**	RSK175
Date Prepared:	02/11/2025	**Analytical Method:**	RSK175
Project:	EO-525499	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN-WESTERN INLET	2502601-001A	Water	02/05/2025 09:10	GC26 0211250205.D	311299

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**230**	50	50	1	02/11/2025 15:45

Analyst(s): JEM Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN-EASTERN INLET	2502601-002A	Water	02/05/2025 09:30	GC26 0211250206.D	311299

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**590**	50	50	1	02/11/2025 16:00

Analyst(s): JEM Analytical Comments: b1

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502601
Date Prepared:	02/11/2025	**BatchID:**	311299
Date Analyzed:	02/11/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-525499	**Sample ID:**	MB/LCS/LCSD-311299

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	130	130	187.2	70	71	70-130	0.772	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502601 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-525499

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **2 days;**

Date Received: **02/10/2025**
Date Logged: **02/10/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502601-001	SOUTH BASIN-WESTERN INLET	Water	2/5/2025 09:10	☐	A	A										
2502601-002	SOUTH BASIN-EASTERN INLET	Water	2/5/2025 09:30	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-525499
Comments

Work Order: 2502601
QC Level: LEVEL 2
Date Logged: 2/10/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN-WESTERN INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	2/5/2025 9:10	2 days	2/12/2025	1%+	☐	☐
002A	SOUTH BASIN-EASTERN INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	2/5/2025 9:30	2 days	2/12/2025	5%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2502601

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

HOLD TIME RUSH

Enthalpy Order: EO-525499
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN-WESTERN INLET	05-FEB-2025 09:10	525499-001	2	Water	RSK-175 CO2	
SOUTH BASIN-EASTERN INLET	05-FEB-2025 09:30	525499-002	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Quintana EA-ORA	
	Date: 2/6/25 1600	Date: 2/10/25 0802
		2.6 unf 1241
	Date:	Date:
	Date:	Date:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-525499

WorkOrder №: 2502601 Matrix: Water
Carrier: Golden State Overnight

Date and Time Received: 2/10/2025 08:02
Date Logged: 2/10/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.6°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	525500
Report Level	:	II
Report Date	:	02/26/2025
Revision	:	**2 (See narrative)**

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	525500
Project No:	SW - APPENDIX II
Location:	SW - APPENDIX II
Date Received:	02/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN-WESTERN INLET	525500-001	02/05/25 09:10	Water
SOUTH BASIN-EASTERN INLET	525500-002	02/05/25 09:10	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 525500 Project No: SW - APPENDIX II Location: SW - APPENDIX II Date Received: 02/05/25

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.
- This report was revised on 02/26/25 to include sub contracted 8290 2,3,7,8-TCDD data.

Volatile Organics by GC/MS (EPA 8260B):

- Low recovery was observed for 1,1-dichloroethene in the MSD for batch 362375; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- SOUTH BASIN-WESTERN INLET (lab # 525500-001) and SOUTH BASIN-EASTERN INLET (lab # 525500-002) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Pesticides (EPA 8081A):

- High recoveries were observed for a number of analytes in the BS/BSD for batch 362158; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples.
- SOUTH BASIN-WESTERN INLET (lab # 525500-001) and SOUTH BASIN-EASTERN INLET (lab # 525500-002) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- SOUTH BASIN-WESTERN INLET (lab # 525500-001) and SOUTH BASIN-EASTERN INLET (lab # 525500-002) were treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN-EASTERN INLET (lab # 525500-002) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 200.8 and EPA 245.1):

- Low recoveries were observed for tin in the MS/MSD for batch 362409; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Total Phenolics (EPA 420.1):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):
No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENGINEERING

FGL 525500

Chain of Custody

Pg 4 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To: stormwater@wasteconnections.com; tmb@swteng.com / 909-390-1328; aav@swteng.com / 415-717-0910

Sampler Name: Matt Tuggle, Caleb Hevert

Project Information: Project ID: Chiquita Canyon Landfill - Appendix II Parameters; Project Number:

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	8260 Appendix II*	8270 Appendix II*	8081-8082*	8141A*	8151A*	Metals, Total**	Total Cyanide	Total Phenols, Sulfides	8290 2378TCDD		
SOUTH Basin- Western Inlet	2/5	0910	X	X	X			X	X	X	X		X			17	X	X	X	X	X	X	X	X	X		
SOUTH Basin- Eastern Inlet	2/5	0910	X	X	X			X	X	X	X		X			17	X	X	X	X	X	X	X	X	X		

Notes: Field pH: 7.80; Field pH: 6.66

Special Requirments/Billing Info:

*Report only the compounds on the 40CFR258 Appx II list

** Metals; Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn, V, Zn

Relinquished by	Received by	Date	Time
Matt Tuggle		2/5/25	1300
	EA-ORA	2/5/25	15:07

DDW Write On EDT Transmission? ○ Yes ● No

State System Number:

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

Sampling Event Observation Form

Date and Time of Inspection: 2/5/25 0930	Report Date: 2/5/25
Chiquita Canyon Landfill	

Weather

Previous Weather Conditions (last 48 hours): 50°-78° F sunny, rain.	Weather: light rain 58° F
Precipitation Total:	

Estimate storm beginning:	Estimate storm duration:	Estimate time since last storm:	Rain gauge reading:
2/4/25 2300 (date and time)	14 (hours)	10 days (days or hours)	_____ (inches)

Sampling Event Observations

Observations: If yes identify location and observe drainage area to identify probable cause

Odors	Yes ☐ No ☑
Floating solids, not including organics	Yes ☐ No ☑
Visible Oil Sheen	Yes ☐ No ☑
Discoloration (i.e. any color or cloudiness that is not clear)	Yes ☑ No ☐

Exception Documentation (explanation required if inspection could not be conducted):	
Inspector Information	
Inspector Name: Matt Tuggle	Inspector Title: CTEH Environmental Specialist
Signature:	Date: 2/5/25

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 2/5/25 WO# 525500 Client: Waste Connections

Section 2: Shipping / Custody Are custody seals present? ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: Walk-In

Section 3a: Condition / Packaging ☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)
Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None
☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: ____ CF: ____
Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☑ No microbiology samples submitted (skip 3b)
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ No air samples submitted (skip 3c)
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm? AES 2/5/25	✓	✓	

Section 5: Explanations / Comments ☐ PM notified
4.13
1/3 vials (HCl) received for sample 001 exceed headspace
2/3 HCl vials and 1/2 unpreserved vials received for sample 002 exceed headspace

Date Logged 2/5/25 By (print) AES (sign)
Date Labeled 2/5/25 By (print) EA. Orange (sign)

ENTHALPY ANALYTICAL

Analysis Results for 525500

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525500
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 02/05/25

Sample ID: SOUTH BASIN-WESTERN INLET | **Lab ID:** 525500-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

525500-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	ND		ug/L	5.0	0.33	1	362287	02/06/25	02/06/25	DXC
Antimony	**0.56**	J	ug/L	2.0	0.31	1	362287	02/06/25	02/06/25	DXC
Arsenic	**6.1**		ug/L	2.0	0.21	1	362287	02/06/25	02/06/25	DXC
Barium	**340**		ug/L	5.0	0.33	1	362287	02/06/25	02/06/25	DXC
Beryllium	**1.8**		ug/L	1.0	0.062	1	362287	02/06/25	02/06/25	DXC
Cadmium	**0.56**	J	ug/L	1.0	0.11	1	362287	02/06/25	02/06/25	DXC
Chromium	**6.2**		ug/L	5.0	0.34	1	362287	02/06/25	02/06/25	DXC
Cobalt	**15**		ug/L	1.0	0.068	1	362287	02/06/25	02/06/25	DXC
Copper	**32**		ug/L	3.0	0.71	1	362287	02/06/25	02/06/25	DXC
Lead	**21**		ug/L	5.0	0.16	1	362287	02/06/25	02/07/25	DXC
Nickel	**16**		ug/L	5.0	1.3	1	362287	02/06/25	02/06/25	DXC
Selenium	**2.9**		ug/L	2.0	1.6	1	362287	02/06/25	02/07/25	DXC
Silver	ND		ug/L	5.0	0.50	1	362287	02/06/25	02/06/25	DXC
Thallium	ND		ug/L	1.0	0.42	1	362287	02/06/25	02/07/25	DXC
Vanadium	**57**		ug/L	5.0	0.26	1	362287	02/06/25	02/06/25	DXC
Zinc	**72**		ug/L	10	7.6	1	362287	02/06/25	02/06/25	DXC
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**0.36**	J	ug/L	0.40	0.032	1	362378	02/07/25	02/07/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.016**		mg/L	0.010	0.0047	1	363433	02/18/25	02/19/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.09	0.03	1.9	362158	02/06/25	02/07/25	MES
beta-BHC	ND		ug/L	0.09	0.05	1.9	362158	02/06/25	02/07/25	MES
gamma-BHC	ND		ug/L	0.09	0.04	1.9	362158	02/06/25	02/07/25	MES
delta-BHC	ND		ug/L	0.09	0.04	1.9	362158	02/06/25	02/07/25	MES
Heptachlor	ND		ug/L	0.09	0.04	1.9	362158	02/06/25	02/07/25	MES
Aldrin	ND		ug/L	0.09	0.06	1.9	362158	02/06/25	02/07/25	MES
Heptachlor epoxide	ND		ug/L	0.09	0.05	1.9	362158	02/06/25	02/07/25	MES
Endosulfan I	ND		ug/L	0.09	0.05	1.9	362158	02/06/25	02/07/25	MES
Dieldrin	ND		ug/L	0.2	0.05	1.9	362158	02/06/25	02/07/25	MES
4,4'-DDE	ND		ug/L	0.2	0.06	1.9	362158	02/06/25	02/07/25	MES
Endrin	ND		ug/L	0.2	0.05	1.9	362158	02/06/25	02/07/25	MES
Endosulfan II	ND		ug/L	0.2	0.05	1.9	362158	02/06/25	02/07/25	MES
Endosulfan sulfate	ND		ug/L	0.2	0.06	1.9	362158	02/06/25	02/07/25	MES
4,4'-DDD	ND		ug/L	0.2	0.05	1.9	362158	02/06/25	02/07/25	MES
Endrin aldehyde	ND		ug/L	0.2	0.08	1.9	362158	02/06/25	02/07/25	MES
Endrin ketone	ND		ug/L	0.2	0.07	1.9	362158	02/06/25	02/07/25	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/L	0.2	0.08	1.9	362158	02/06/25	02/07/25	MES
Methoxychlor	ND		ug/L	0.2	0.1	1.9	362158	02/06/25	02/07/25	MES
Toxaphene	ND		ug/L	3.8	0.5	1.9	362158	02/06/25	02/07/25	MES
Chlordane (Technical)	ND		ug/L	1.9	0.3	1.9	362158	02/06/25	02/07/25	MES
Surrogates				**Limits**						
TCMX	82%		%REC	14-120		1.9	362158	02/06/25	02/07/25	MES
Decachlorobiphenyl	98%		%REC	20-120		1.9	362158	02/06/25	02/07/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.47	0.35	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1221	ND		ug/L	0.47	0.39	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1232	ND		ug/L	0.47	0.34	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1242	ND		ug/L	0.47	0.33	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1248	ND		ug/L	0.47	0.32	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1254	ND		ug/L	0.47	0.17	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1260	ND		ug/L	0.47	0.42	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1262	ND		ug/L	0.47	0.37	0.94	362158	02/06/25	02/07/25	MES
Aroclor-1268	ND		ug/L	0.47	0.24	0.94	362158	02/06/25	02/07/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	122%		%REC	18-126		0.94	362158	02/06/25	02/07/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	**0.3**	J	ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Chloroprene	ND		ug/L	200	0.4	1	362375	02/07/25	02/07/25	YAH
3-Chloropropene	ND		ug/L	5.0	0.6	1	362375	02/07/25	02/07/25	YAH
Ethyl methacrylate	ND		ug/L	50	2.4	1	362375	02/07/25	02/07/25	YAH
Ethanol	ND		ug/L	500	93	1	362375	02/07/25	02/07/25	YAH
2-Hexanone	ND		ug/L	5.0	1.5	1	362375	02/07/25	02/07/25	YAH
Isopropanol (IPA)	ND		ug/L	200	21	1	362375	02/07/25	02/07/25	YAH
Methyl acrylonitrile	ND		ug/L	35	2.9	1	362375	02/07/25	02/07/25	YAH
Vinyl Acetate	ND		ug/L	50	2.6	1	362375	02/07/25	02/07/25	YAH
Acrolein	ND		ug/L	200	4.2	1	362375	02/07/25	02/07/25	YAH
Acrylonitrile	ND		ug/L	10	0.3	1	362375	02/07/25	02/07/25	YAH
Freon 12	ND		ug/L	5.0	0.3	1	362375	02/07/25	02/07/25	YAH
Chloromethane	ND		ug/L	5.0	0.4	1	362375	02/07/25	02/07/25	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Bromomethane	ND		ug/L	5.0	0.8	1	362375	02/07/25	02/07/25	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Iodomethane	ND		ug/L	5.0		1	362375	02/07/25	02/07/25	YAH
Acetone	ND		ug/L	100	17	1	362375	02/07/25	02/07/25	YAH
Freon 113	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Methylene Chloride	ND		ug/L	10	3.5	1	362375	02/07/25	02/07/25	YAH
MTBE	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
2-Butanone	**8.1**	J	ug/L	10	2.0	1	362375	02/07/25	02/07/25	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Chloroform	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Benzene	ND		ug/L	1.0	0.1	1	362375	02/07/25	02/07/25	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Dibromomethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
4-Methyl-2-Pentanone	ND		ug/L	10	1.4	1	362375	02/07/25	02/07/25	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Toluene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Tetrachloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Chlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
m,p-Xylenes	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Styrene	ND		ug/L	5.0	0.08	1	362375	02/07/25	02/07/25	YAH
Bromoform	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Isopropylbenzene	ND		ug/L	5.0	0.09	1	362375	02/07/25	02/07/25	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	362375	02/07/25	02/07/25	YAH
para-Isopropyl Toluene	**0.2**	J	ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	362375	02/07/25	02/07/25	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Naphthalene	ND		ug/L	5.0	0.3	1	362375	02/07/25	02/07/25	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Xylene (total)	ND		ug/L	5.0		1	362375	02/07/25	02/07/25	YAH
TIC:Acetonitrile	ND		ug/L			1	362375	02/07/25	02/07/25	YAH

Surrogates	Limits

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromofluoromethane	109%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH
1,2-Dichloroethane-d4	95%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH
Toluene-d8	99%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH
Bromofluorobenzene	100%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.48	0.20	0.96	362585	02/10/25	02/11/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.48	0.23	0.96	362585	02/10/25	02/11/25	ZFA
Naphthalene	ND		ug/L	0.48	0.20	0.96	362585	02/10/25	02/11/25	ZFA
Acenaphthylene	ND		ug/L	0.48	0.21	0.96	362585	02/10/25	02/11/25	ZFA
Acenaphthene	ND		ug/L	0.48	0.19	0.96	362585	02/10/25	02/11/25	ZFA
Fluorene	ND		ug/L	0.48	0.19	0.96	362585	02/10/25	02/11/25	ZFA
Phenanthrene	ND		ug/L	0.48	0.18	0.96	362585	02/10/25	02/11/25	ZFA
Anthracene	ND		ug/L	0.48	0.19	0.96	362585	02/10/25	02/11/25	ZFA
Fluoranthene	ND		ug/L	0.48	0.18	0.96	362585	02/10/25	02/11/25	ZFA
Pyrene	ND		ug/L	0.48	0.19	0.96	362585	02/10/25	02/11/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.48	0.14	0.96	362585	02/10/25	02/11/25	ZFA
Chrysene	ND		ug/L	0.48	0.16	0.96	362585	02/10/25	02/11/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.48	0.15	0.96	362585	02/10/25	02/11/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	0.48	0.18	0.96	362585	02/10/25	02/11/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.48	0.17	0.96	362585	02/10/25	02/11/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.48	0.15	0.96	362585	02/10/25	02/11/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.48	0.17	0.96	362585	02/10/25	02/11/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.48	0.17	0.96	362585	02/10/25	02/11/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	94%		%REC	16-125		0.96	362585	02/10/25	02/11/25	ZFA
2-Fluorobiphenyl	76%		%REC	17-120		0.96	362585	02/10/25	02/11/25	ZFA
Terphenyl-d14	99%		%REC	39-123		0.96	362585	02/10/25	02/11/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	9.6	2.2	0.96	362558	02/10/25	02/10/25	XLY
Pyridine	ND		ug/L	9.6	3.7	0.96	362558	02/10/25	02/10/25	XLY
N-Nitrosodimethylamine	ND		ug/L	9.6	2.6	0.96	362558	02/10/25	02/10/25	XLY
Phenol	ND		ug/L	9.6	3.4	0.96	362558	02/10/25	02/10/25	XLY
Aniline	ND		ug/L	9.6	4.3	0.96	362558	02/10/25	02/10/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	24	3.0	0.96	362558	02/10/25	02/10/25	XLY
2-Chlorophenol	ND		ug/L	9.6	2.7	0.96	362558	02/10/25	02/10/25	XLY
1,3-Dichlorobenzene	ND		ug/L	9.6	3.2	0.96	362558	02/10/25	02/10/25	XLY
1,4-Dichlorobenzene	ND		ug/L	9.6	3.2	0.96	362558	02/10/25	02/10/25	XLY
Benzyl alcohol	ND		ug/L	9.6	5.5	0.96	362558	02/10/25	02/10/25	XLY
1,2-Dichlorobenzene	ND		ug/L	9.6	3.2	0.96	362558	02/10/25	02/10/25	XLY
2-Methylphenol	ND		ug/L	9.6	3.1	0.96	362558	02/10/25	02/10/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	9.6	2.7	0.96	362558	02/10/25	02/10/25	XLY
3-,4-Methylphenol	ND		ug/L	9.6	2.5	0.96	362558	02/10/25	02/10/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	9.6	3.7	0.96	362558	02/10/25	02/10/25	XLY
Hexachloroethane	ND		ug/L	9.6	3.7	0.96	362558	02/10/25	02/10/25	XLY
Nitrobenzene	ND		ug/L	24	6.1	0.96	362558	02/10/25	02/10/25	XLY
Isophorone	ND		ug/L	9.6	1.8	0.96	362558	02/10/25	02/10/25	XLY
2-Nitrophenol	ND		ug/L	9.6	5.4	0.96	362558	02/10/25	02/10/25	XLY
2,4-Dimethylphenol	ND		ug/L	9.6	4.2	0.96	362558	02/10/25	02/10/25	XLY
Benzoic acid	ND		ug/L	48	18	0.96	362558	02/10/25	02/10/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
bis(2-Chloroethoxy)methane	ND		ug/L	9.6	2.2	0.96	362558	02/10/25	02/10/25	XLY
2,4-Dichlorophenol	ND		ug/L	9.6	2.6	0.96	362558	02/10/25	02/10/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	9.6	2.5	0.96	362558	02/10/25	02/10/25	XLY
Naphthalene	ND		ug/L	9.6	2.6	0.96	362558	02/10/25	02/10/25	XLY
4-Chloroaniline	ND		ug/L	9.6	2.2	0.96	362558	02/10/25	02/10/25	XLY
Hexachlorobutadiene	ND		ug/L	9.6	3.8	0.96	362558	02/10/25	02/10/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	9.6	2.6	0.96	362558	02/10/25	02/10/25	XLY
2-Methylnaphthalene	ND		ug/L	9.6	2.3	0.96	362558	02/10/25	02/10/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	24	4.7	0.96	362558	02/10/25	02/10/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	9.6	2.1	0.96	362558	02/10/25	02/10/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	9.6	2.6	0.96	362558	02/10/25	02/10/25	XLY
2-Chloronaphthalene	ND		ug/L	9.6	2.3	0.96	362558	02/10/25	02/10/25	XLY
2-Nitroaniline	ND		ug/L	48	3.5	0.96	362558	02/10/25	02/10/25	XLY
Dimethylphthalate	ND		ug/L	9.6	3.0	0.96	362558	02/10/25	02/10/25	XLY
Acenaphthylene	ND		ug/L	9.6	2.1	0.96	362558	02/10/25	02/10/25	XLY
2,6-Dinitrotoluene	ND		ug/L	9.6	3.5	0.96	362558	02/10/25	02/10/25	XLY
3-Nitroaniline	ND		ug/L	9.6	1.8	0.96	362558	02/10/25	02/10/25	XLY
Acenaphthene	ND		ug/L	9.6	2.5	0.96	362558	02/10/25	02/10/25	XLY
2,4-Dinitrophenol	ND		ug/L	48	3.3	0.96	362558	02/10/25	02/10/25	XLY
4-Nitrophenol	ND		ug/L	9.6	1.4	0.96	362558	02/10/25	02/10/25	XLY
Dibenzofuran	ND		ug/L	9.6	2.1	0.96	362558	02/10/25	02/10/25	XLY
2,4-Dinitrotoluene	ND		ug/L	9.6	3.0	0.96	362558	02/10/25	02/10/25	XLY
Diethylphthalate	ND		ug/L	9.6	2.7	0.96	362558	02/10/25	02/10/25	XLY
Fluorene	ND		ug/L	9.6	2.1	0.96	362558	02/10/25	02/10/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	9.6	2.3	0.96	362558	02/10/25	02/10/25	XLY
4-Nitroaniline	ND		ug/L	9.6	2.7	0.96	362558	02/10/25	02/10/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	48	3.0	0.96	362558	02/10/25	02/10/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	9.6	3.7	0.96	362558	02/10/25	02/10/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.6	2.2	0.96	362558	02/10/25	02/10/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	9.6	2.2	0.96	362558	02/10/25	02/10/25	XLY
Hexachlorobenzene	ND		ug/L	9.6	2.3	0.96	362558	02/10/25	02/10/25	XLY
Pentachlorophenol	ND		ug/L	24	2.4	0.96	362558	02/10/25	02/10/25	XLY
Phenanthrene	ND		ug/L	9.6	2.5	0.96	362558	02/10/25	02/10/25	XLY
Anthracene	ND		ug/L	9.6	2.1	0.96	362558	02/10/25	02/10/25	XLY
Di-n-butylphthalate	ND		ug/L	9.6	2.3	0.96	362558	02/10/25	02/10/25	XLY
Fluoranthene	ND		ug/L	9.6	2.5	0.96	362558	02/10/25	02/10/25	XLY
Benzidine	ND		ug/L	48	15	0.96	362558	02/10/25	02/10/25	XLY
Pyrene	ND		ug/L	9.6	2.3	0.96	362558	02/10/25	02/10/25	XLY
Butylbenzylphthalate	ND		ug/L	9.6	2.5	0.96	362558	02/10/25	02/10/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	24	2.8	0.96	362558	02/10/25	02/10/25	XLY
Benzo(a)anthracene	ND		ug/L	9.6	2.0	0.96	362558	02/10/25	02/10/25	XLY
Chrysene	ND		ug/L	9.6	2.4	0.96	362558	02/10/25	02/10/25	XLY
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.6	2.6	0.96	362558	02/10/25	02/10/25	XLY
Di-n-octylphthalate	ND		ug/L	9.6	4.6	0.96	362558	02/10/25	02/10/25	XLY
Benzo(b)fluoranthene	ND		ug/L	9.6	2.2	0.96	362558	02/10/25	02/10/25	XLY
Benzo(k)fluoranthene	ND		ug/L	9.6	2.3	0.96	362558	02/10/25	02/10/25	XLY
Benzo(a)pyrene	ND		ug/L	9.6	2.1	0.96	362558	02/10/25	02/10/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.6	5.2	0.96	362558	02/10/25	02/10/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	9.6	7.2	0.96	362558	02/10/25	02/10/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	9.6	3.4	0.96	362558	02/10/25	02/10/25	XLY
TIC:2,6-Dichlorophenol	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:2-Acetylaminofluorene	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:3,3'-Dimethylbenzidine	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:4-Aminobiphenyl	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:Acetophenone	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:Chlorobenzilate	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:Diallate	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:Thionazin	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:a,a-Dimethylphenethylamine	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			0.96	362558	02/10/25	02/10/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	50%		%REC	10-140		0.96	362558	02/10/25	02/10/25	XLY
Phenol-d6	34%		%REC	10-140		0.96	362558	02/10/25	02/10/25	XLY
2,4,6-Tribromophenol	80%		%REC	12-140		0.96	362558	02/10/25	02/10/25	XLY
Nitrobenzene-d5	79%		%REC	10-140		0.96	362558	02/10/25	02/10/25	XLY
2-Fluorobiphenyl	69%		%REC	11-140		0.96	362558	02/10/25	02/10/25	XLY
Terphenyl-d14	73%		%REC	20-140		0.96	362558	02/10/25	02/10/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	362419	02/07/25	02/10/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362848	02/12/25	02/12/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

Sample ID:	Lab ID: 525500-002	Collected: 02/05/25 09:10
SOUTH BASIN-EASTERN INLET	Matrix: Water	

525500-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	**0.37**	J	ug/L	5.0	0.33	1	362409	02/07/25	02/08/25	KAM
Antimony	**1.8**	J	ug/L	2.0	0.31	1	362409	02/07/25	02/08/25	KAM
Arsenic	**37**		ug/L	2.0	0.21	1	362409	02/07/25	02/08/25	KAM
Barium	**740**		ug/L	50	3.3	10	362409	02/07/25	02/11/25	KAM
Beryllium	**15**		ug/L	10	0.62	10	362409	02/07/25	02/11/25	KAM
Cadmium	**21**		ug/L	1.0	0.11	1	362409	02/07/25	02/08/25	KAM
Chromium	**44**		ug/L	5.0	0.34	1	362409	02/07/25	02/08/25	KAM
Cobalt	**120**		ug/L	1.0	0.068	1	362409	02/07/25	02/08/25	KAM
Copper	**330**		ug/L	3.0	0.71	1	362409	02/07/25	02/08/25	KAM
Lead	**200**		ug/L	5.0	0.16	1	362409	02/07/25	02/08/25	KAM
Nickel	**160**		ug/L	5.0	1.3	1	362409	02/07/25	02/08/25	KAM
Selenium	**18**		ug/L	2.0	1.6	1	362409	02/07/25	02/08/25	KAM
Silver	ND		ug/L	50	5.0	10	362409	02/07/25	02/11/25	KAM
Thallium	ND		ug/L	1.0	0.42	1	362409	02/07/25	02/08/25	KAM
Vanadium	**180**		ug/L	5.0	0.26	1	362409	02/07/25	02/08/25	KAM
Zinc	**4,100**		ug/L	100	76	10	362409	02/07/25	02/11/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**4.6**		ug/L	0.40	0.17	1	362657	02/11/25	02/11/25	KCD
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.019**		mg/L	0.010	0.0047	1	363433	02/18/25	02/19/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	1.3	0.5	25	362158	02/06/25	02/07/25	MES
beta-BHC	ND		ug/L	1.3	0.7	25	362158	02/06/25	02/07/25	MES
gamma-BHC	ND		ug/L	1.3	0.5	25	362158	02/06/25	02/07/25	MES
delta-BHC	ND		ug/L	1.3	0.5	25	362158	02/06/25	02/07/25	MES
Heptachlor	ND		ug/L	1.3	0.5	25	362158	02/06/25	02/07/25	MES
Aldrin	ND		ug/L	1.3	0.8	25	362158	02/06/25	02/07/25	MES
Heptachlor epoxide	ND		ug/L	1.3	0.6	25	362158	02/06/25	02/07/25	MES
Endosulfan I	ND		ug/L	1.3	0.7	25	362158	02/06/25	02/07/25	MES
Dieldrin	ND		ug/L	2.5	0.6	25	362158	02/06/25	02/07/25	MES
4,4'-DDE	ND		ug/L	2.5	0.7	25	362158	02/06/25	02/07/25	MES
Endrin	ND		ug/L	2.5	0.7	25	362158	02/06/25	02/07/25	MES
Endosulfan II	ND		ug/L	2.5	0.7	25	362158	02/06/25	02/07/25	MES
Endosulfan sulfate	ND		ug/L	2.5	0.7	25	362158	02/06/25	02/07/25	MES
4,4'-DDD	ND		ug/L	2.5	0.6	25	362158	02/06/25	02/07/25	MES
Endrin aldehyde	ND		ug/L	2.5	1.0	25	362158	02/06/25	02/07/25	MES
Endrin ketone	ND		ug/L	2.5	0.9	25	362158	02/06/25	02/07/25	MES
4,4'-DDT	ND		ug/L	2.5	1.1	25	362158	02/06/25	02/07/25	MES
Methoxychlor	ND		ug/L	2.5	1.3	25	362158	02/06/25	02/07/25	MES
Toxaphene	ND		ug/L	50	7.1	25	362158	02/06/25	02/07/25	MES
Chlordane (Technical)	ND		ug/L	25	3.5	25	362158	02/06/25	02/07/25	MES
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	88%		%REC	14-120		25	362158	02/06/25	02/07/25	MES
Decachlorobiphenyl	97%		%REC	20-120		25	362158	02/06/25	02/07/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	5.0	3.7	10	362158	02/06/25	02/07/25	MES
Aroclor-1221	ND		ug/L	5.0	4.1	10	362158	02/06/25	02/07/25	MES
Aroclor-1232	ND		ug/L	5.0	3.6	10	362158	02/06/25	02/07/25	MES
Aroclor-1242	ND		ug/L	5.0	3.5	10	362158	02/06/25	02/07/25	MES
Aroclor-1248	ND		ug/L	5.0	3.4	10	362158	02/06/25	02/07/25	MES
Aroclor-1254	ND		ug/L	5.0	1.8	10	362158	02/06/25	02/07/25	MES
Aroclor-1260	ND		ug/L	5.0	4.5	10	362158	02/06/25	02/07/25	MES
Aroclor-1262	ND		ug/L	5.0	3.9	10	362158	02/06/25	02/07/25	MES
Aroclor-1268	ND		ug/L	5.0	2.5	10	362158	02/06/25	02/07/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	117%		%REC	18-126		10	362158	02/06/25	02/07/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Chloroprene	ND		ug/L	200	0.4	1	362375	02/07/25	02/07/25	YAH
3-Chloropropene	ND		ug/L	5.0	0.6	1	362375	02/07/25	02/07/25	YAH
Ethyl methacrylate	ND		ug/L	50	2.4	1	362375	02/07/25	02/07/25	YAH
Ethanol	ND		ug/L	500	93	1	362375	02/07/25	02/07/25	YAH
2-Hexanone	ND		ug/L	5.0	1.5	1	362375	02/07/25	02/07/25	YAH
Isopropanol (IPA)	ND		ug/L	200	21	1	362375	02/07/25	02/07/25	YAH
Methyl acrylonitrile	ND		ug/L	35	2.9	1	362375	02/07/25	02/07/25	YAH
Vinyl Acetate	ND		ug/L	50	2.6	1	362375	02/07/25	02/07/25	YAH
Acrolein	ND		ug/L	200	4.2	1	362375	02/07/25	02/07/25	YAH
Acrylonitrile	ND		ug/L	10	0.3	1	362375	02/07/25	02/07/25	YAH
Freon 12	ND		ug/L	5.0	0.3	1	362375	02/07/25	02/07/25	YAH
Chloromethane	ND		ug/L	5.0	0.4	1	362375	02/07/25	02/07/25	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Bromomethane	ND		ug/L	5.0	0.8	1	362375	02/07/25	02/07/25	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Iodomethane	ND		ug/L	5.0		1	362375	02/07/25	02/07/25	YAH
Acetone	ND		ug/L	100	17	1	362375	02/07/25	02/07/25	YAH
Freon 113	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Methylene Chloride	ND		ug/L	10	3.5	1	362375	02/07/25	02/07/25	YAH
MTBE	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
2-Butanone	ND		ug/L	10	2.0	1	362375	02/07/25	02/07/25	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Chloroform	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Bromochloromethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	1.0	0.1	1	362375	02/07/25	02/07/25	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Bromodichloromethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Dibromomethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
4-Methyl-2-Pentanone	ND		ug/L	10	1.4	1	362375	02/07/25	02/07/25	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Toluene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Tetrachloroethene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Chlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
m,p-Xylenes	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Styrene	ND		ug/L	5.0	0.08	1	362375	02/07/25	02/07/25	YAH
Bromoform	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Isopropylbenzene	ND		ug/L	5.0	0.09	1	362375	02/07/25	02/07/25	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	362375	02/07/25	02/07/25	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
n-Butylbenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	362375	02/07/25	02/07/25	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Naphthalene	ND		ug/L	5.0	0.3	1	362375	02/07/25	02/07/25	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	362375	02/07/25	02/07/25	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	362375	02/07/25	02/07/25	YAH
Xylene (total)	ND		ug/L	5.0		1	362375	02/07/25	02/07/25	YAH
TIC:Acetonitrile	ND		ug/L			1	362375	02/07/25	02/07/25	YAH
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH
1,2-Dichloroethane-d4	93%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH
Toluene-d8	99%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH
Bromofluorobenzene	97%		%REC	70-130		1	362375	02/07/25	02/07/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	1.0	0.42	2	362585	02/10/25	02/11/25	XLY
2-Methylnaphthalene	ND		ug/L	1.0	0.48	2	362585	02/10/25	02/11/25	XLY
Naphthalene	ND		ug/L	1.0	0.42	2	362585	02/10/25	02/11/25	XLY
Acenaphthylene	ND		ug/L	1.0	0.43	2	362585	02/10/25	02/11/25	XLY
Acenaphthene	ND		ug/L	1.0	0.39	2	362585	02/10/25	02/11/25	XLY
Fluorene	ND		ug/L	1.0	0.40	2	362585	02/10/25	02/11/25	XLY
Phenanthrene	ND		ug/L	1.0	0.36	2	362585	02/10/25	02/11/25	XLY
Anthracene	ND		ug/L	1.0	0.40	2	362585	02/10/25	02/11/25	XLY
Fluoranthene	ND		ug/L	1.0	0.38	2	362585	02/10/25	02/11/25	XLY
Pyrene	ND		ug/L	1.0	0.39	2	362585	02/10/25	02/11/25	XLY
Benzo(a)anthracene	ND		ug/L	1.0	0.29	2	362585	02/10/25	02/11/25	XLY
Chrysene	ND		ug/L	1.0	0.34	2	362585	02/10/25	02/11/25	XLY
Benzo(b)fluoranthene	ND		ug/L	1.0	0.31	2	362585	02/10/25	02/11/25	XLY
Benzo(k)fluoranthene	ND		ug/L	1.0	0.37	2	362585	02/10/25	02/11/25	XLY
Benzo(a)pyrene	ND		ug/L	1.0	0.35	2	362585	02/10/25	02/11/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.0	0.31	2	362585	02/10/25	02/11/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	1.0	0.35	2	362585	02/10/25	02/11/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	1.0	0.36	2	362585	02/10/25	02/11/25	XLY
Surrogates				**Limits**						
Nitrobenzene-d5	99%		%REC	16-125		2	362585	02/10/25	02/11/25	XLY
2-Fluorobiphenyl	94%		%REC	17-120		2	362585	02/10/25	02/11/25	XLY
Terphenyl-d14	104%		%REC	39-123		2	362585	02/10/25	02/11/25	XLY
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	100	23	10	362558	02/10/25	02/10/25	XLY
Pyridine	ND		ug/L	100	39	10	362558	02/10/25	02/10/25	XLY
N-Nitrosodimethylamine	ND		ug/L	100	28	10	362558	02/10/25	02/10/25	XLY
Phenol	ND		ug/L	100	35	10	362558	02/10/25	02/10/25	XLY
Aniline	ND		ug/L	100	45	10	362558	02/10/25	02/10/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	250	31	10	362558	02/10/25	02/10/25	XLY
2-Chlorophenol	ND		ug/L	100	28	10	362558	02/10/25	02/10/25	XLY
1,3-Dichlorobenzene	ND		ug/L	100	33	10	362558	02/10/25	02/10/25	XLY
1,4-Dichlorobenzene	ND		ug/L	100	33	10	362558	02/10/25	02/10/25	XLY
Benzyl alcohol	ND		ug/L	100	58	10	362558	02/10/25	02/10/25	XLY
1,2-Dichlorobenzene	ND		ug/L	100	33	10	362558	02/10/25	02/10/25	XLY
2-Methylphenol	ND		ug/L	100	32	10	362558	02/10/25	02/10/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	100	28	10	362558	02/10/25	02/10/25	XLY
3-,4-Methylphenol	ND		ug/L	100	26	10	362558	02/10/25	02/10/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	100	39	10	362558	02/10/25	02/10/25	XLY
Hexachloroethane	ND		ug/L	100	38	10	362558	02/10/25	02/10/25	XLY
Nitrobenzene	ND		ug/L	250	64	10	362558	02/10/25	02/10/25	XLY
Isophorone	ND		ug/L	100	19	10	362558	02/10/25	02/10/25	XLY
2-Nitrophenol	ND		ug/L	100	56	10	362558	02/10/25	02/10/25	XLY
2,4-Dimethylphenol	ND		ug/L	100	44	10	362558	02/10/25	02/10/25	XLY
Benzoic acid	ND		ug/L	500	190	10	362558	02/10/25	02/10/25	XLY
bis(2-Chloroethoxy)methane	ND		ug/L	100	23	10	362558	02/10/25	02/10/25	XLY
2,4-Dichlorophenol	ND		ug/L	100	27	10	362558	02/10/25	02/10/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	100	26	10	362558	02/10/25	02/10/25	XLY
Naphthalene	ND		ug/L	100	27	10	362558	02/10/25	02/10/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Chloroaniline	ND		ug/L	100	23	10	362558	02/10/25	02/10/25	XLY
Hexachlorobutadiene	ND		ug/L	100	40	10	362558	02/10/25	02/10/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	100	27	10	362558	02/10/25	02/10/25	XLY
2-Methylnaphthalene	ND		ug/L	100	24	10	362558	02/10/25	02/10/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	250	49	10	362558	02/10/25	02/10/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	100	22	10	362558	02/10/25	02/10/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	100	27	10	362558	02/10/25	02/10/25	XLY
2-Chloronaphthalene	ND		ug/L	100	24	10	362558	02/10/25	02/10/25	XLY
2-Nitroaniline	ND		ug/L	500	37	10	362558	02/10/25	02/10/25	XLY
Dimethylphthalate	ND		ug/L	100	31	10	362558	02/10/25	02/10/25	XLY
Acenaphthylene	ND		ug/L	100	22	10	362558	02/10/25	02/10/25	XLY
2,6-Dinitrotoluene	ND		ug/L	100	37	10	362558	02/10/25	02/10/25	XLY
3-Nitroaniline	ND		ug/L	100	18	10	362558	02/10/25	02/10/25	XLY
Acenaphthene	ND		ug/L	100	26	10	362558	02/10/25	02/10/25	XLY
2,4-Dinitrophenol	ND		ug/L	500	35	10	362558	02/10/25	02/10/25	XLY
4-Nitrophenol	ND		ug/L	100	15	10	362558	02/10/25	02/10/25	XLY
Dibenzofuran	ND		ug/L	100	22	10	362558	02/10/25	02/10/25	XLY
2,4-Dinitrotoluene	ND		ug/L	100	31	10	362558	02/10/25	02/10/25	XLY
Diethylphthalate	ND		ug/L	100	28	10	362558	02/10/25	02/10/25	XLY
Fluorene	ND		ug/L	100	21	10	362558	02/10/25	02/10/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	100	24	10	362558	02/10/25	02/10/25	XLY
4-Nitroaniline	ND		ug/L	100	28	10	362558	02/10/25	02/10/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	500	32	10	362558	02/10/25	02/10/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	100	39	10	362558	02/10/25	02/10/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	100	23	10	362558	02/10/25	02/10/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	100	23	10	362558	02/10/25	02/10/25	XLY
Hexachlorobenzene	ND		ug/L	100	24	10	362558	02/10/25	02/10/25	XLY
Pentachlorophenol	ND		ug/L	250	26	10	362558	02/10/25	02/10/25	XLY
Phenanthrene	ND		ug/L	100	26	10	362558	02/10/25	02/10/25	XLY
Anthracene	ND		ug/L	100	21	10	362558	02/10/25	02/10/25	XLY
Di-n-butylphthalate	ND		ug/L	100	24	10	362558	02/10/25	02/10/25	XLY
Fluoranthene	ND		ug/L	100	26	10	362558	02/10/25	02/10/25	XLY
Benzidine	ND		ug/L	500	160	10	362558	02/10/25	02/10/25	XLY
Pyrene	ND		ug/L	100	24	10	362558	02/10/25	02/10/25	XLY
Butylbenzylphthalate	ND		ug/L	100	26	10	362558	02/10/25	02/10/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	250	29	10	362558	02/10/25	02/10/25	XLY
Benzo(a)anthracene	ND		ug/L	100	21	10	362558	02/10/25	02/10/25	XLY
Chrysene	ND		ug/L	100	25	10	362558	02/10/25	02/10/25	XLY
bis(2-Ethylhexyl)phthalate	ND		ug/L	100	28	10	362558	02/10/25	02/10/25	XLY
Di-n-octylphthalate	ND		ug/L	100	48	10	362558	02/10/25	02/10/25	XLY
Benzo(b)fluoranthene	ND		ug/L	100	23	10	362558	02/10/25	02/10/25	XLY
Benzo(k)fluoranthene	ND		ug/L	100	24	10	362558	02/10/25	02/10/25	XLY
Benzo(a)pyrene	ND		ug/L	100	22	10	362558	02/10/25	02/10/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	100	54	10	362558	02/10/25	02/10/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	100	75	10	362558	02/10/25	02/10/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	100	35	10	362558	02/10/25	02/10/25	XLY
TIC:2,6-Dichlorophenol	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:2-Acetylaminofluorene	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:3,3'-Dimethylbenzidine	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:4-Aminobiphenyl	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:Acetophenone	ND		ug/L			10	362558	02/10/25	02/10/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 525500

525500-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:Chlorobenzilate	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:Diallate	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:Thionazin	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:a,a-Dimethylphenethylamine	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			10	362558	02/10/25	02/10/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	52%		%REC	10-140		10	362558	02/10/25	02/10/25	XLY
Phenol-d6	35%		%REC	10-140		10	362558	02/10/25	02/10/25	XLY
2,4,6-Tribromophenol	77%		%REC	12-140		10	362558	02/10/25	02/10/25	XLY
Nitrobenzene-d5	76%		%REC	10-140		10	362558	02/10/25	02/10/25	XLY
2-Fluorobiphenyl	76%		%REC	11-140		10	362558	02/10/25	02/10/25	XLY
Terphenyl-d14	91%		%REC	20-140		10	362558	02/10/25	02/10/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	362419	02/07/25	02/10/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	362848	02/12/25	02/12/25	DXA

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1226631**	**Batch:**	**362287**
Matrix:	**Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1226631 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	ND		ug/L	5.0	0.33	02/06/25	02/06/25
Antimony	ND		ug/L	2.0	0.31	02/06/25	02/06/25
Arsenic	ND		ug/L	2.0	0.21	02/06/25	02/06/25
Barium	ND		ug/L	5.0	0.33	02/06/25	02/06/25
Beryllium	ND		ug/L	1.0	0.062	02/06/25	02/06/25
Cadmium	ND		ug/L	1.0	0.11	02/06/25	02/06/25
Chromium	ND		ug/L	5.0	0.34	02/06/25	02/06/25
Cobalt	ND		ug/L	1.0	0.068	02/06/25	02/06/25
Copper	ND		ug/L	3.0	0.71	02/06/25	02/06/25
Lead	ND		ug/L	5.0	0.16	02/06/25	02/06/25
Nickel	ND		ug/L	5.0	1.3	02/06/25	02/06/25
Selenium	ND		ug/L	2.0	1.6	02/06/25	02/06/25
Silver	ND		ug/L	5.0	0.50	02/06/25	02/06/25
Thallium	ND		ug/L	1.0	0.42	02/06/25	02/06/25
Vanadium	ND		ug/L	5.0	0.26	02/06/25	02/06/25
Zinc	ND		ug/L	10	7.6	02/06/25	02/06/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1226634**	**Batch:**	**362287**
Matrix:	**Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1226634 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	94.69	100.0	ug/L	95%		85-115
Antimony	102.7	100.0	ug/L	103%		85-115
Arsenic	98.36	100.0	ug/L	98%		85-115
Barium	100.4	100.0	ug/L	100%		85-115
Beryllium	103.0	100.0	ug/L	103%		85-115
Cadmium	98.14	100.0	ug/L	98%		85-115
Chromium	105.2	100.0	ug/L	105%		85-115
Cobalt	112.3	100.0	ug/L	112%		85-115
Copper	112.1	100.0	ug/L	112%		85-115
Lead	98.25	100.0	ug/L	98%		85-115
Nickel	111.1	100.0	ug/L	111%		85-115
Selenium	94.54	100.0	ug/L	95%		85-115
Silver	48.36	50.00	ug/L	97%		85-115
Thallium	101.0	100.0	ug/L	101%		85-115
Vanadium	105.1	100.0	ug/L	105%		85-115
Zinc	98.98	100.0	ug/L	99%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1226637	Batch:	362287
Matrix (Source ID):	Water (525265-003)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1226637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	97.44	0.4950	100.0	ug/L	97%		70-130	1
Antimony	101.3	0.4420	100.0	ug/L	101%		70-130	1
Arsenic	96.42	1.022	100.0	ug/L	95%		70-130	1
Barium	124.4	21.15	100.0	ug/L	103%		70-130	1
Beryllium	98.47	ND	100.0	ug/L	98%		70-130	1
Cadmium	99.41	ND	100.0	ug/L	99%		70-130	1
Chromium	111.3	7.341	100.0	ug/L	104%		70-130	1
Cobalt	108.3	0.5490	100.0	ug/L	108%		70-130	1
Copper	114.1	5.460	100.0	ug/L	109%		70-130	1
Lead	98.28	0.7130	100.0	ug/L	98%		70-130	1
Nickel	108.9	1.662	100.0	ug/L	107%		70-130	1
Selenium	92.63	ND	100.0	ug/L	93%		70-130	1
Silver	48.80	ND	50.00	ug/L	98%		70-130	1
Thallium	102.3	ND	100.0	ug/L	102%		70-130	1
Vanadium	107.2	3.782	100.0	ug/L	103%		70-130	1
Zinc	141.2	45.37	100.0	ug/L	96%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1226638	Batch:	362287
Matrix (Source ID):	Water (525265-003)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1226638 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	100.1	0.4950	100.0	ug/L	100%		70-130	3	20	1
Antimony	106.4	0.4420	100.0	ug/L	106%		70-130	5	20	1
Arsenic	96.83	1.022	100.0	ug/L	96%		70-130	0	20	1
Barium	122.9	21.15	100.0	ug/L	102%		70-130	1	20	1
Beryllium	91.35	ND	100.0	ug/L	91%		70-130	8	20	1
Cadmium	98.27	ND	100.0	ug/L	98%		70-130	1	20	1
Chromium	107.7	7.341	100.0	ug/L	100%		70-130	3	20	1
Cobalt	107.3	0.5490	100.0	ug/L	107%		70-130	1	20	1
Copper	112.7	5.460	100.0	ug/L	107%		70-130	1	20	1
Lead	100.1	0.7130	100.0	ug/L	99%		70-130	2	20	1
Nickel	106.6	1.662	100.0	ug/L	105%		70-130	2	20	1
Selenium	92.99	ND	100.0	ug/L	93%		70-130	0	20	1
Silver	47.92	ND	50.00	ug/L	96%		70-130	2	20	1
Thallium	100.1	ND	100.0	ug/L	100%		70-130	2	20	1
Vanadium	104.9	3.782	100.0	ug/L	101%		70-130	2	20	1
Zinc	145.7	45.37	100.0	ug/L	100%		70-130	3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1227084**	**Batch: 362409**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1227084 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	ND		ug/L	5.0	0.33	02/07/25	02/08/25
Antimony	ND		ug/L	2.0	0.31	02/07/25	02/08/25
Arsenic	ND		ug/L	2.0	0.21	02/07/25	02/08/25
Barium	ND		ug/L	5.0	0.33	02/07/25	02/08/25
Beryllium	ND		ug/L	1.0	0.062	02/07/25	02/11/25
Cadmium	ND		ug/L	1.0	0.11	02/07/25	02/08/25
Chromium	ND		ug/L	5.0	0.34	02/07/25	02/08/25
Cobalt	ND		ug/L	1.0	0.068	02/07/25	02/08/25
Copper	ND		ug/L	3.0	0.71	02/07/25	02/08/25
Lead	ND		ug/L	5.0	0.16	02/07/25	02/08/25
Nickel	ND		ug/L	5.0	1.3	02/07/25	02/08/25
Selenium	ND		ug/L	2.0	1.6	02/07/25	02/08/25
Silver	ND		ug/L	5.0	0.50	02/07/25	02/11/25
Thallium	ND		ug/L	1.0	0.42	02/07/25	02/08/25
Vanadium	ND		ug/L	5.0	0.26	02/07/25	02/08/25
Zinc	ND		ug/L	10	7.6	02/07/25	02/08/25

Type: Lab Control Sample	**Lab ID: QC1227085**	**Batch: 362409**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1227085 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	92.08	100.0	ug/L	92%		85-115
Antimony	104.2	100.0	ug/L	104%		85-115
Arsenic	98.63	100.0	ug/L	99%		85-115
Barium	98.72	100.0	ug/L	99%		85-115
Beryllium	104.1	100.0	ug/L	104%		85-115
Cadmium	97.25	100.0	ug/L	97%		85-115
Chromium	94.84	100.0	ug/L	95%		85-115
Cobalt	100.8	100.0	ug/L	101%		85-115
Copper	99.98	100.0	ug/L	100%		85-115
Lead	97.55	100.0	ug/L	98%		85-115
Nickel	98.74	100.0	ug/L	99%		85-115
Selenium	97.78	100.0	ug/L	98%		85-115
Silver	50.23	50.00	ug/L	100%		85-115
Thallium	96.89	100.0	ug/L	97%		85-115
Vanadium	96.06	100.0	ug/L	96%		85-115
Zinc	101.3	100.0	ug/L	101%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1227086	Batch:	362409
Matrix (Source ID):	Water (525585-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227086 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	57.99	0.6430	100.0	ug/L	57%	*	70-130	1
Antimony	97.84	1.509	100.0	ug/L	96%		70-130	1
Arsenic	97.63	4.576	100.0	ug/L	93%		70-130	1
Barium	243.2	144.5	100.0	ug/L	99%		70-130	1
Beryllium	112.2	ND	100.0	ug/L	112%		70-130	100
Cadmium	97.10	0.6330	100.0	ug/L	96%		70-130	1
Chromium	102.0	9.477	100.0	ug/L	93%		70-130	1
Cobalt	102.7	5.568	100.0	ug/L	97%		70-130	1
Copper	127.3	35.14	100.0	ug/L	92%		70-130	1
Lead	278.0	165.4	100.0	ug/L	113%		70-130	1
Nickel	113.0	19.02	100.0	ug/L	94%		70-130	1
Selenium	91.35	ND	100.0	ug/L	91%		70-130	1
Silver	50.90	ND	50.00	ug/L	102%		70-130	100
Thallium	99.91	ND	100.0	ug/L	100%		70-130	1
Vanadium	102.0	6.984	100.0	ug/L	95%		70-130	1
Zinc	545.1	384.0	100.0	ug/L		DO	70-130	100

Type:	Matrix Spike Duplicate	Lab ID:	QC1227087	Batch:	362409
Matrix (Source ID):	Water (525585-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227087 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	60.99	0.6430	100.0	ug/L	60%	*	70-130	5	20	1
Antimony	100.7	1.509	100.0	ug/L	99%		70-130	3	20	1
Arsenic	101.0	4.576	100.0	ug/L	96%		70-130	3	20	1
Barium	247.3	144.5	100.0	ug/L	103%		70-130	2	20	1
Beryllium	115.7	ND	100.0	ug/L	116%		70-130	3	20	100
Cadmium	98.13	0.6330	100.0	ug/L	97%		70-130	1	20	1
Chromium	104.1	9.477	100.0	ug/L	95%		70-130	2	20	1
Cobalt	103.6	5.568	100.0	ug/L	98%		70-130	1	20	1
Copper	130.5	35.14	100.0	ug/L	95%		70-130	2	20	1
Lead	259.4	165.4	100.0	ug/L	94%		70-130	7	20	1
Nickel	114.9	19.02	100.0	ug/L	96%		70-130	2	20	1
Selenium	94.11	ND	100.0	ug/L	94%		70-130	3	20	1
Silver	52.30	ND	50.00	ug/L	105%		70-130	3	20	100
Thallium	93.30	ND	100.0	ug/L	93%		70-130	7	20	1
Vanadium	102.9	6.984	100.0	ug/L	96%		70-130	1	20	1
Zinc	717.6	384.0	100.0	ug/L		DO	70-130		20	100

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1227095	Batch:	362409
Matrix (Source ID):	Water (525585-004)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227095 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	94.21	ND	100.0	ug/L	94%		70-130	1
Antimony	146.3	45.24	100.0	ug/L	101%		70-130	1
Arsenic	99.34	0.9660	100.0	ug/L	98%		70-130	1
Barium	102.0	6.401	100.0	ug/L	96%		70-130	1
Beryllium	102.4	ND	100.0	ug/L	102%		70-130	1
Cadmium	97.17	ND	100.0	ug/L	97%		70-130	1
Chromium	94.23	0.8880	100.0	ug/L	93%		70-130	1
Cobalt	97.96	0.1460	100.0	ug/L	98%		70-130	1
Copper	100.9	4.610	100.0	ug/L	96%		70-130	1
Lead	102.4	3.254	100.0	ug/L	99%		70-130	1
Nickel	96.87	ND	100.0	ug/L	97%		70-130	1
Selenium	98.50	ND	100.0	ug/L	99%		70-130	1
Silver	45.72	ND	50.00	ug/L	91%		70-130	1
Thallium	98.77	ND	100.0	ug/L	99%		70-130	1
Vanadium	95.68	0.6620	100.0	ug/L	95%		70-130	1
Zinc	316.2	228.2	100.0	ug/L	88%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1227096	Batch:	362409
Matrix (Source ID):	Water (525585-004)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1227096 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	98.10	ND	100.0	ug/L	98%		70-130	4	20	1
Antimony	146.2	45.24	100.0	ug/L	101%		70-130	0	20	1
Arsenic	100.8	0.9660	100.0	ug/L	100%		70-130	1	20	1
Barium	101.0	6.401	100.0	ug/L	95%		70-130	1	20	1
Beryllium	103.5	ND	100.0	ug/L	103%		70-130	1	20	1
Cadmium	95.63	ND	100.0	ug/L	96%		70-130	2	20	1
Chromium	95.53	0.8880	100.0	ug/L	95%		70-130	1	20	1
Cobalt	100.0	0.1460	100.0	ug/L	100%		70-130	2	20	1
Copper	101.5	4.610	100.0	ug/L	97%		70-130	1	20	1
Lead	101.8	3.254	100.0	ug/L	99%		70-130	1	20	1
Nickel	98.19	ND	100.0	ug/L	98%		70-130	1	20	1
Selenium	101.3	ND	100.0	ug/L	101%		70-130	3	20	1
Silver	46.80	ND	50.00	ug/L	94%		70-130	2	20	1
Thallium	99.71	ND	100.0	ug/L	100%		70-130	1	20	1
Vanadium	96.78	0.6620	100.0	ug/L	96%		70-130	1	20	1
Zinc	317.2	228.2	100.0	ug/L	89%		70-130	0	20	1

Type:	Blank	Lab ID:	QC1226951	Batch:	362378
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1226951 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.032	02/07/25	02/07/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1226952	Batch:	362378
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1226952 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.976	5.000	ug/L	100%		85-115

Type:	Matrix Spike	Lab ID:	QC1226953	Batch:	362378
Matrix (Source ID):	Water (525572-002)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1226953 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.882	0.1146	5.000	ug/L	95%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1226954	Batch:	362378
Matrix (Source ID):	Water (525572-002)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1226954 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.854	0.1146	5.000	ug/L	95%		75-125	1	20	1

Type:	Blank	Lab ID:	QC1227999	Batch:	362657
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1227999 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	02/11/25	02/11/25

Type:	Lab Control Sample	Lab ID:	QC1228000	Batch:	362657
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1228000 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.939	5.000	ug/L	99%		85-115

Type:	Matrix Spike	Lab ID:	QC1228001	Batch:	362657
Matrix (Source ID):	Water (525649-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1228001 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.004	ND	5.000	ug/L	100%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1228002	Batch:	362657
Matrix (Source ID):	Water (525649-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1228002 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.842	ND	5.000	ug/L	97%		75-125	3	20	1

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1228003	Batch:	362657
Matrix (Source ID):	Water (525649-002)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1228003 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.928	ND	5.000	ug/L	99%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1228004	Batch:	362657
Matrix (Source ID):	Water (525649-002)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1228004 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.865	ND	5.000	ug/L	97%		75-125	1	20	1

Type:	Blank	Lab ID:	QC1231107	Batch:	363433
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1231107 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	02/19/25	02/19/25

Type:	Lab Control Sample	Lab ID:	QC1231108	Batch:	363433
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1231108 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.09000	0.08000	mg/L	113%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1231109	Batch:	363433
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1231109 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.08400	0.08000	mg/L	105%		80-120	7	20

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1226183	Batch: 362158
Matrix: Water		

QC1226183 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	02/05/25	02/06/25
beta-BHC	ND		ug/L	0.05	0.03	02/05/25	02/06/25
gamma-BHC	ND		ug/L	0.05	0.02	02/05/25	02/06/25
delta-BHC	ND		ug/L	0.05	0.02	02/05/25	02/06/25
Heptachlor	ND		ug/L	0.05	0.02	02/05/25	02/06/25
Aldrin	ND		ug/L	0.05	0.03	02/05/25	02/06/25
Heptachlor epoxide	ND		ug/L	0.05	0.03	02/05/25	02/06/25
Endosulfan I	ND		ug/L	0.05	0.03	02/05/25	02/06/25
Dieldrin	ND		ug/L	0.1	0.03	02/05/25	02/06/25
4,4'-DDE	ND		ug/L	0.1	0.03	02/05/25	02/06/25
Endrin	ND		ug/L	0.1	0.03	02/05/25	02/06/25
Endosulfan II	ND		ug/L	0.1	0.03	02/05/25	02/06/25
Endosulfan sulfate	ND		ug/L	0.1	0.03	02/05/25	02/06/25
4,4'-DDD	ND		ug/L	0.1	0.02	02/05/25	02/06/25
Endrin aldehyde	ND		ug/L	0.1	0.04	02/05/25	02/06/25
Endrin ketone	ND		ug/L	0.1	0.04	02/05/25	02/06/25
4,4'-DDT	ND		ug/L	0.1	0.04	02/05/25	02/06/25
Methoxychlor	ND		ug/L	0.1	0.05	02/05/25	02/06/25
Toxaphene	ND		ug/L	2.0	0.3	02/05/25	02/06/25
Chlordane (Technical)	ND		ug/L	1.0	0.1	02/05/25	02/06/25
Surrogates				**Limits**			
TCMX	78%		%REC	14-120		02/05/25	02/06/25
Decachlorobiphenyl	91%		%REC	20-120		02/05/25	02/06/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	02/05/25	02/07/25
Aroclor-1221	ND		ug/L	0.50	0.41	02/05/25	02/07/25
Aroclor-1232	ND		ug/L	0.50	0.36	02/05/25	02/07/25
Aroclor-1242	ND		ug/L	0.50	0.35	02/05/25	02/07/25
Aroclor-1248	ND		ug/L	0.50	0.34	02/05/25	02/07/25
Aroclor-1254	ND		ug/L	0.50	0.18	02/05/25	02/07/25
Aroclor-1260	ND		ug/L	0.50	0.45	02/05/25	02/07/25
Aroclor-1262	ND		ug/L	0.50	0.39	02/05/25	02/07/25
Aroclor-1268	ND		ug/L	0.50	0.25	02/05/25	02/07/25
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	117%		%REC	18-126		02/05/25	02/07/25

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1226186**	**Batch:**	**362158**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1226186 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5732	0.5000	ug/L	115%		53-120
beta-BHC	0.5681	0.5000	ug/L	114%		59-120
gamma-BHC	0.5757	0.5000	ug/L	115%		54-120
delta-BHC	0.5973	0.5000	ug/L	119%		58-120
Heptachlor	0.5227	0.5000	ug/L	105%		49-120
Aldrin	0.5190	0.5000	ug/L	104%		47-120
Heptachlor epoxide	0.5292	0.5000	ug/L	106%		53-120
Endosulfan I	0.5728	0.5000	ug/L	115%		56-120
Dieldrin	0.5487	0.5000	ug/L	110%		55-120
4,4'-DDE	0.5677	0.5000	ug/L	114%		55-120
Endrin	0.5958	0.5000	ug/L	119%		57-120
Endosulfan II	0.5962	0.5000	ug/L	119%		58-120
Endosulfan sulfate	0.5758	0.5000	ug/L	115%		56-120
4,4'-DDD	0.5564	0.5000	ug/L	111%		53-120
Endrin aldehyde	0.5655	0.5000	ug/L	113%		45-120
Endrin ketone	0.6130	0.5000	ug/L	123%	*	61-120
4,4'-DDT	0.5867	0.5000	ug/L	117%		58-120
Methoxychlor	0.6270	0.5000	ug/L	125%	*	54-120
Surrogates						
TCMX	0.4563	0.5000	ug/L	91%		14-120
Decachlorobiphenyl	0.4439	0.5000	ug/L	89%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1226187	Batch:	362158
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1226187 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.5818	0.5000	ug/L	116%		53-120	1	20
beta-BHC	0.5786	0.5000	ug/L	116%		59-120	2	20
gamma-BHC	0.5880	0.5000	ug/L	118%		54-120	2	20
delta-BHC	0.6132	0.5000	ug/L	123%	*	58-120	3	20
Heptachlor	0.5299	0.5000	ug/L	106%		49-120	1	20
Aldrin	0.5281	0.5000	ug/L	106%		47-120	2	20
Heptachlor epoxide	0.5412	0.5000	ug/L	108%		53-120	2	20
Endosulfan I	0.5831	0.5000	ug/L	117%		56-120	2	20
Dieldrin	0.5580	0.5000	ug/L	112%		55-120	2	20
4,4'-DDE	0.5782	0.5000	ug/L	116%		55-120	2	20
Endrin	0.6116	0.5000	ug/L	122%	*	57-120	3	20
Endosulfan II	0.6064	0.5000	ug/L	121%	*	58-120	2	20
Endosulfan sulfate	0.5888	0.5000	ug/L	118%		56-120	2	20
4,4'-DDD	0.5729	0.5000	ug/L	115%		53-120	3	20
Endrin aldehyde	0.5738	0.5000	ug/L	115%		45-120	1	20
Endrin ketone	0.6200	0.5000	ug/L	124%	*	61-120	1	20
4,4'-DDT	0.6007	0.5000	ug/L	120%		58-120	2	20
Methoxychlor	0.6356	0.5000	ug/L	127%	*	54-120	1	20
Surrogates								
TCMX	0.4403	0.5000	ug/L	88%		14-120		
Decachlorobiphenyl	0.4449	0.5000	ug/L	89%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1226188	Batch:	362158
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1226188 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.786	5.000	ug/L	96%		36-143
Aroclor-1260	4.867	5.000	ug/L	97%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4387	0.5000	ug/L	88%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1226189	Batch:	362158
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1226189 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.238	5.000	ug/L	105%		36-143	9	39
Aroclor-1260	5.183	5.000	ug/L	104%		31-153	6	20
Surrogates								
Decachlorobiphenyl (PCB)	0.4706	0.5000	ug/L	94%		18-126		

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Batch QC

Type: Lab Control Sample	Lab ID: QC1226942	Batch: 362375
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1226942 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	45.80	50.00	ug/L	92%		70-135
MTBE	51.23	50.00	ug/L	102%		70-130
Benzene	51.57	50.00	ug/L	103%		70-130
Trichloroethene	51.49	50.00	ug/L	103%		70-130
Toluene	49.35	50.00	ug/L	99%		70-130
Chlorobenzene	48.14	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	52.58	50.00	ug/L	105%		70-130
1,2-Dichloroethane-d4	45.72	50.00	ug/L	91%		70-130
Toluene-d8	48.71	50.00	ug/L	97%		70-130
Bromofluorobenzene	50.36	50.00	ug/L	101%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1226943	Batch: 362375
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1226943 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.68	50.00	ug/L	87%		70-135	5	30
MTBE	50.45	50.00	ug/L	101%		70-130	2	30
Benzene	49.81	50.00	ug/L	100%		70-130	3	30
Trichloroethene	50.84	50.00	ug/L	102%		70-130	1	30
Toluene	47.69	50.00	ug/L	95%		70-130	3	30
Chlorobenzene	47.62	50.00	ug/L	95%		70-130	1	30
Surrogates								
Dibromofluoromethane	51.38	50.00	ug/L	103%		70-130		
1,2-Dichloroethane-d4	44.15	50.00	ug/L	88%		70-130		
Toluene-d8	48.44	50.00	ug/L	97%		70-130		
Bromofluorobenzene	49.82	50.00	ug/L	100%		70-130		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1226945**	**Batch:**	**362375**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1226945 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Chloroprene	ND		ug/L	200	0.4	02/07/25	02/07/25
3-Chloropropene	ND		ug/L	5.0	0.6	02/07/25	02/07/25
Ethyl methacrylate	ND		ug/L	50	2.4	02/07/25	02/07/25
Ethanol	ND		ug/L	500	93	02/07/25	02/07/25
2-Hexanone	ND		ug/L	5.0	1.5	02/07/25	02/07/25
Isopropanol (IPA)	ND		ug/L	200	21	02/07/25	02/07/25
Methyl acrylonitrile	ND		ug/L	35	2.9	02/07/25	02/07/25
Vinyl Acetate	ND		ug/L	50	2.6	02/07/25	02/07/25
Acrolein	ND		ug/L	200	4.2	02/07/25	02/07/25
Acrylonitrile	ND		ug/L	10	0.3	02/07/25	02/07/25
Freon 12	ND		ug/L	5.0	0.3	02/07/25	02/07/25
Chloromethane	ND		ug/L	5.0	0.4	02/07/25	02/07/25
Vinyl Chloride	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Bromomethane	ND		ug/L	5.0	0.8	02/07/25	02/07/25
Chloroethane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Iodomethane	ND		ug/L	5.0		02/07/25	02/07/25
Acetone	ND		ug/L	100	17	02/07/25	02/07/25
Freon 113	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Methylene Chloride	ND		ug/L	10	3.5	02/07/25	02/07/25
MTBE	ND		ug/L	5.0	0.1	02/07/25	02/07/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	02/07/25	02/07/25
2-Butanone	ND		ug/L	10	2.0	02/07/25	02/07/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Chloroform	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Bromochloromethane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Benzene	ND		ug/L	1.0	0.1	02/07/25	02/07/25
Trichloroethene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Dibromomethane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
4-Methyl-2-Pentanone	ND		ug/L	10	1.4	02/07/25	02/07/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Toluene	ND		ug/L	5.0	0.2	02/07/25	02/07/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Tetrachloroethene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/07/25	02/07/25

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Batch QC

QC1226945 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Chlorobenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Ethylbenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
m,p-Xylenes	ND		ug/L	5.0	0.2	02/07/25	02/07/25
o-Xylene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Styrene	ND		ug/L	5.0	0.08	02/07/25	02/07/25
Bromoform	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Isopropylbenzene	ND		ug/L	5.0	0.09	02/07/25	02/07/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Propylbenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
Bromobenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	02/07/25	02/07/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	02/07/25	02/07/25
n-Butylbenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	02/07/25	02/07/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Naphthalene	ND		ug/L	5.0	0.3	02/07/25	02/07/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	02/07/25	02/07/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	02/07/25	02/07/25
Xylene (total)	ND		ug/L	5.0		02/07/25	02/07/25
TIC:Acetonitrile	ND		ug/L			02/07/25	02/07/25
Surrogates				**Limits**			
Dibromofluoromethane	105%		%REC	70-130		02/07/25	02/07/25
1,2-Dichloroethane-d4	97%		%REC	70-130		02/07/25	02/07/25
Toluene-d8	99%		%REC	70-130		02/07/25	02/07/25
Bromofluorobenzene	98%		%REC	70-130		02/07/25	02/07/25

Batch QC

Type:	Matrix Spike	Lab ID:	QC1226997	Batch:	362375
Matrix (Source ID):	Water (525230-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1226997 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	14.42	ND	20.00	ug/L	72%		70-130	1
MTBE	18.38	ND	20.00	ug/L	92%		75-130	1
Benzene	17.50	ND	20.00	ug/L	88%		70-130	1
Trichloroethene	26.99	9.509	20.00	ug/L	87%		63-130	1
Toluene	16.54	ND	20.00	ug/L	83%		70-130	1
Chlorobenzene	16.45	ND	20.00	ug/L	82%		70-130	1
Surrogates								
Dibromofluoromethane	52.02		50.00	ug/L	104%		70-130	1
1,2-Dichloroethane-d4	48.49		50.00	ug/L	97%		70-130	1
Toluene-d8	48.62		50.00	ug/L	97%		70-130	1
Bromofluorobenzene	48.63		50.00	ug/L	97%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1226998	Batch:	362375
Matrix (Source ID):	Water (525230-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1226998 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	12.88	ND	20.00	ug/L	64%	*	70-130	11	30	1
MTBE	16.56	ND	20.00	ug/L	83%		75-130	10	30	1
Benzene	14.95	ND	20.00	ug/L	75%		70-130	16	30	1
Trichloroethene	23.12	9.509	20.00	ug/L	68%		63-130	15	30	1
Toluene	14.61	ND	20.00	ug/L	73%		70-130	12	30	1
Chlorobenzene	14.22	ND	20.00	ug/L	71%		70-130	15	30	1
Surrogates										
Dibromofluoromethane	53.53		50.00	ug/L	107%		70-130			1
1,2-Dichloroethane-d4	48.42		50.00	ug/L	97%		70-130			1
Toluene-d8	48.88		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	48.65		50.00	ug/L	97%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1227666	Batch: 362558
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1227666 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	2.3	02/10/25	02/10/25
Pyridine	ND		ug/L	10	3.9	02/10/25	02/10/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	02/10/25	02/10/25
Phenol	ND		ug/L	10	3.5	02/10/25	02/10/25
Aniline	ND		ug/L	10	4.5	02/10/25	02/10/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.1	02/10/25	02/10/25
2-Chlorophenol	ND		ug/L	10	2.8	02/10/25	02/10/25
1,3-Dichlorobenzene	ND		ug/L	10	3.3	02/10/25	02/10/25
1,4-Dichlorobenzene	ND		ug/L	10	3.3	02/10/25	02/10/25
Benzyl alcohol	ND		ug/L	10	5.8	02/10/25	02/10/25
1,2-Dichlorobenzene	ND		ug/L	10	3.3	02/10/25	02/10/25
2-Methylphenol	ND		ug/L	10	3.2	02/10/25	02/10/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	2.8	02/10/25	02/10/25
3-,4-Methylphenol	ND		ug/L	10	2.6	02/10/25	02/10/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	3.9	02/10/25	02/10/25
Hexachloroethane	ND		ug/L	10	3.8	02/10/25	02/10/25
Nitrobenzene	ND		ug/L	25	6.4	02/10/25	02/10/25
Isophorone	ND		ug/L	10	1.9	02/10/25	02/10/25
2-Nitrophenol	ND		ug/L	10	5.6	02/10/25	02/10/25
2,4-Dimethylphenol	ND		ug/L	10	4.4	02/10/25	02/10/25
Benzoic acid	ND		ug/L	50	19	02/10/25	02/10/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	2.3	02/10/25	02/10/25
2,4-Dichlorophenol	ND		ug/L	10	2.7	02/10/25	02/10/25
1,2,4-Trichlorobenzene	ND		ug/L	10	2.6	02/10/25	02/10/25
Naphthalene	ND		ug/L	10	2.7	02/10/25	02/10/25
4-Chloroaniline	ND		ug/L	10	2.3	02/10/25	02/10/25
Hexachlorobutadiene	ND		ug/L	10	4.0	02/10/25	02/10/25
4-Chloro-3-methylphenol	ND		ug/L	10	2.7	02/10/25	02/10/25
2-Methylnaphthalene	ND		ug/L	10	2.4	02/10/25	02/10/25
Hexachlorocyclopentadiene	ND		ug/L	25	4.9	02/10/25	02/10/25
2,4,6-Trichlorophenol	ND		ug/L	10	2.2	02/10/25	02/10/25
2,4,5-Trichlorophenol	ND		ug/L	10	2.7	02/10/25	02/10/25
2-Chloronaphthalene	ND		ug/L	10	2.4	02/10/25	02/10/25
2-Nitroaniline	ND		ug/L	50	3.7	02/10/25	02/10/25
Dimethylphthalate	ND		ug/L	10	3.1	02/10/25	02/10/25
Acenaphthylene	ND		ug/L	10	2.2	02/10/25	02/10/25
2,6-Dinitrotoluene	ND		ug/L	10	3.7	02/10/25	02/10/25
3-Nitroaniline	ND		ug/L	10	1.8	02/10/25	02/10/25
Acenaphthene	ND		ug/L	10	2.6	02/10/25	02/10/25
2,4-Dinitrophenol	ND		ug/L	50	3.5	02/10/25	02/10/25
4-Nitrophenol	ND		ug/L	10	1.5	02/10/25	02/10/25
Dibenzofuran	ND		ug/L	10	2.2	02/10/25	02/10/25
2,4-Dinitrotoluene	ND		ug/L	10	3.1	02/10/25	02/10/25
Diethylphthalate	ND		ug/L	10	2.8	02/10/25	02/10/25
Fluorene	ND		ug/L	10	2.1	02/10/25	02/10/25
4-Chlorophenyl-phenylether	ND		ug/L	10	2.4	02/10/25	02/10/25
4-Nitroaniline	ND		ug/L	10	2.8	02/10/25	02/10/25

ENTHALPY ANALYTICAL

Batch QC

QC1227666 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	3.2	02/10/25	02/10/25
N-Nitrosodiphenylamine	ND		ug/L	10	3.9	02/10/25	02/10/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	2.3	02/10/25	02/10/25
4-Bromophenyl-phenylether	ND		ug/L	10	2.3	02/10/25	02/10/25
Hexachlorobenzene	ND		ug/L	10	2.4	02/10/25	02/10/25
Pentachlorophenol	ND		ug/L	25	2.6	02/10/25	02/10/25
Phenanthrene	ND		ug/L	10	2.6	02/10/25	02/10/25
Anthracene	ND		ug/L	10	2.1	02/10/25	02/10/25
Di-n-butylphthalate	ND		ug/L	10	2.4	02/10/25	02/10/25
Fluoranthene	ND		ug/L	10	2.6	02/10/25	02/10/25
Benzidine	ND		ug/L	50	16	02/10/25	02/10/25
Pyrene	ND		ug/L	10	2.4	02/10/25	02/10/25
Butylbenzylphthalate	ND		ug/L	10	2.6	02/10/25	02/10/25
3,3'-Dichlorobenzidine	ND		ug/L	25	2.9	02/10/25	02/10/25
Benzo(a)anthracene	ND		ug/L	10	2.1	02/10/25	02/10/25
Chrysene	ND		ug/L	10	2.5	02/10/25	02/10/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	2.8	02/10/25	02/10/25
Di-n-octylphthalate	ND		ug/L	10	4.8	02/10/25	02/10/25
Benzo(b)fluoranthene	ND		ug/L	10	2.3	02/10/25	02/10/25
Benzo(k)fluoranthene	ND		ug/L	10	2.4	02/10/25	02/10/25
Benzo(a)pyrene	ND		ug/L	10	2.2	02/10/25	02/10/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	5.4	02/10/25	02/10/25
Dibenz(a,h)anthracene	ND		ug/L	10	7.5	02/10/25	02/10/25
Benzo(g,h,i)perylene	ND		ug/L	10	3.5	02/10/25	02/10/25
TIC:2,6-Dichlorophenol	ND		ug/L			02/10/25	02/10/25
TIC:2-Acetylaminofluorene	ND		ug/L			02/10/25	02/10/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			02/10/25	02/10/25
TIC:4-Aminobiphenyl	ND		ug/L			02/10/25	02/10/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			02/10/25	02/10/25
TIC:Acetophenone	ND		ug/L			02/10/25	02/10/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			02/10/25	02/10/25
TIC:Chlorobenzilate	ND		ug/L			02/10/25	02/10/25
TIC:Diallate	ND		ug/L			02/10/25	02/10/25
TIC:Thionazin	ND		ug/L			02/10/25	02/10/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			02/10/25	02/10/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			02/10/25	02/10/25
Surrogates				**Limits**			
2-Fluorophenol	53%		%REC	20-140		02/10/25	02/10/25
Phenol-d6	34%		%REC	20-140		02/10/25	02/10/25
2,4,6-Tribromophenol	63%		%REC	20-140		02/10/25	02/10/25
Nitrobenzene-d5	80%		%REC	20-140		02/10/25	02/10/25
2-Fluorobiphenyl	83%		%REC	20-140		02/10/25	02/10/25
Terphenyl-d14	86%		%REC	20-140		02/10/25	02/10/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1227667**	**Batch:**	**362558**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1227667 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	30.10	75.00	ug/L	40%		13-120
2-Chlorophenol	63.70	75.00	ug/L	85%		31-120
1,4-Dichlorobenzene	56.05	75.00	ug/L	75%		24-120
3-,4-Methylphenol	59.90	75.00	ug/L	80%		29-120
N-Nitroso-di-n-propylamine	73.33	75.00	ug/L	98%		32-120
2,4-Dimethylphenol	62.83	75.00	ug/L	84%		25-120
1,2,4-Trichlorobenzene	61.36	75.00	ug/L	82%		26-120
4-Chloro-3-methylphenol	70.90	75.00	ug/L	95%		39-120
2,4,5-Trichlorophenol	69.62	75.00	ug/L	93%		38-120
Acenaphthene	66.67	75.00	ug/L	89%		33-120
4-Nitrophenol	30.54	75.00	ug/L	41%		12-120
2,4-Dinitrotoluene	72.43	75.00	ug/L	97%		46-120
Pentachlorophenol	65.88	75.00	ug/L	88%		37-120
Pyrene	62.09	75.00	ug/L	83%		47-120
Chrysene	70.00	75.00	ug/L	93%		48-120
Benzo(b)fluoranthene	71.33	75.00	ug/L	95%		46-120
Surrogates						
2-Fluorophenol	23.16	40.00	ug/L	58%		20-140
Phenol-d6	15.18	40.00	ug/L	38%		20-140
2,4,6-Tribromophenol	39.29	40.00	ug/L	98%		20-140
Nitrobenzene-d5	37.80	40.00	ug/L	94%		20-140
2-Fluorobiphenyl	33.22	40.00	ug/L	83%		20-140
Terphenyl-d14	30.86	40.00	ug/L	77%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1227668**	**Batch:**	**362558**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1227668 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	29.27	75.00	ug/L	39%		13-120	3	62
2-Chlorophenol	61.43	75.00	ug/L	82%		31-120	4	62
1,4-Dichlorobenzene	52.41	75.00	ug/L	70%		24-120	7	64
3-,4-Methylphenol	56.05	75.00	ug/L	75%		29-120	7	62
N-Nitroso-di-n-propylamine	70.50	75.00	ug/L	94%		32-120	4	65
2,4-Dimethylphenol	61.50	75.00	ug/L	82%		25-120	2	64
1,2,4-Trichlorobenzene	56.93	75.00	ug/L	76%		26-120	7	63
4-Chloro-3-methylphenol	76.12	75.00	ug/L	101%		39-120	7	58
2,4,5-Trichlorophenol	75.96	75.00	ug/L	101%		38-120	9	59
Acenaphthene	63.65	75.00	ug/L	85%		33-120	5	52
4-Nitrophenol	30.98	75.00	ug/L	41%		12-120	1	63
2,4-Dinitrotoluene	67.06	75.00	ug/L	89%		46-120	8	41
Pentachlorophenol	54.71	75.00	ug/L	73%		37-120	19	42
Pyrene	70.02	75.00	ug/L	93%		47-120	12	43
Chrysene	67.96	75.00	ug/L	91%		48-120	3	46
Benzo(b)fluoranthene	63.87	75.00	ug/L	85%		46-120	11	47
Surrogates								
2-Fluorophenol	21.91	40.00	ug/L	55%		20-140		
Phenol-d6	15.12	40.00	ug/L	38%		20-140		
2,4,6-Tribromophenol	33.90	40.00	ug/L	85%		20-140		
Nitrobenzene-d5	35.38	40.00	ug/L	88%		20-140		
2-Fluorobiphenyl	36.56	40.00	ug/L	91%		20-140		
Terphenyl-d14	36.08	40.00	ug/L	90%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1227754		**Batch:** 362585
Matrix: Water	**Method:** EPA 8270C-SIM		**Prep Method:** EPA 3510C

QC1227754 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.21	02/10/25	02/11/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	02/10/25	02/11/25
Naphthalene	ND		ug/L	0.50	0.21	02/10/25	02/11/25
Acenaphthylene	ND		ug/L	0.50	0.22	02/10/25	02/11/25
Acenaphthene	ND		ug/L	0.50	0.20	02/10/25	02/11/25
Fluorene	ND		ug/L	0.50	0.20	02/10/25	02/11/25
Phenanthrene	ND		ug/L	0.50	0.18	02/10/25	02/11/25
Anthracene	ND		ug/L	0.50	0.20	02/10/25	02/11/25
Fluoranthene	ND		ug/L	0.50	0.19	02/10/25	02/11/25
Pyrene	ND		ug/L	0.50	0.19	02/10/25	02/11/25
Benzo(a)anthracene	ND		ug/L	0.50	0.15	02/10/25	02/11/25
Chrysene	ND		ug/L	0.50	0.17	02/10/25	02/11/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.15	02/10/25	02/11/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.18	02/10/25	02/11/25
Benzo(a)pyrene	ND		ug/L	0.50	0.17	02/10/25	02/11/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.15	02/10/25	02/11/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.17	02/10/25	02/11/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.18	02/10/25	02/11/25
Surrogates				**Limits**			
Nitrobenzene-d5	91%		%REC	16-125		02/10/25	02/11/25
2-Fluorobiphenyl	87%		%REC	17-120		02/10/25	02/11/25
Terphenyl-d14	107%		%REC	39-123		02/10/25	02/11/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1227755**	**Batch:**	**362585**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1227755 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.740	4.000	ug/L	93%		23-120
2-Methylnaphthalene	3.683	4.000	ug/L	92%		33-120
Naphthalene	3.520	4.000	ug/L	88%		38-120
Acenaphthylene	3.996	4.000	ug/L	100%		37-120
Acenaphthene	3.351	4.000	ug/L	84%		39-120
Fluorene	3.597	4.000	ug/L	90%		43-120
Phenanthrene	3.499	4.000	ug/L	87%		42-120
Anthracene	3.640	4.000	ug/L	91%		42-120
Fluoranthene	3.626	4.000	ug/L	91%		48-120
Pyrene	3.625	4.000	ug/L	91%		44-120
Benzo(a)anthracene	3.885	4.000	ug/L	97%		51-126
Chrysene	3.590	4.000	ug/L	90%		47-120
Benzo(b)fluoranthene	3.648	4.000	ug/L	91%		44-127
Benzo(k)fluoranthene	3.546	4.000	ug/L	89%		43-127
Benzo(a)pyrene	3.488	4.000	ug/L	87%		29-124
Indeno(1,2,3-cd)pyrene	3.565	4.000	ug/L	89%		44-127
Dibenz(a,h)anthracene	3.567	4.000	ug/L	89%		55-120
Benzo(g,h,i)perylene	3.375	4.000	ug/L	84%		46-120
Surrogates						
Nitrobenzene-d5	4.016	4.000	ug/L	100%		16-125
2-Fluorobiphenyl	3.826	4.000	ug/L	96%		17-120
Terphenyl-d14	4.009	4.000	ug/L	100%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1227756**	**Batch:**	**362585**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1227756 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.787	4.000	ug/L	95%		23-120	1	20
2-Methylnaphthalene	3.764	4.000	ug/L	94%		33-120	2	20
Naphthalene	3.563	4.000	ug/L	89%		38-120	1	20
Acenaphthylene	4.118	4.000	ug/L	103%		37-120	3	20
Acenaphthene	3.352	4.000	ug/L	84%		39-120	0	20
Fluorene	3.612	4.000	ug/L	90%		43-120	0	20
Phenanthrene	3.338	4.000	ug/L	83%		42-120	5	20
Anthracene	3.453	4.000	ug/L	86%		42-120	5	20
Fluoranthene	3.443	4.000	ug/L	86%		48-120	5	20
Pyrene	3.458	4.000	ug/L	86%		44-120	5	20
Benzo(a)anthracene	3.702	4.000	ug/L	93%		51-126	5	20
Chrysene	3.438	4.000	ug/L	86%		47-120	4	20
Benzo(b)fluoranthene	3.407	4.000	ug/L	85%		44-127	7	20
Benzo(k)fluoranthene	3.309	4.000	ug/L	83%		43-127	7	20
Benzo(a)pyrene	3.287	4.000	ug/L	82%		29-124	6	20
Indeno(1,2,3-cd)pyrene	3.523	4.000	ug/L	88%		44-127	1	20
Dibenz(a,h)anthracene	3.538	4.000	ug/L	88%		55-120	1	20
Benzo(g,h,i)perylene	3.384	4.000	ug/L	85%		46-120	0	20
Surrogates								
Nitrobenzene-d5	3.995	4.000	ug/L	100%		16-125		
2-Fluorobiphenyl	3.962	4.000	ug/L	99%		17-120		
Terphenyl-d14	3.781	4.000	ug/L	95%		39-123		

Type:	**Blank**	**Lab ID:**	**QC1227127**	**Batch:**	**362419**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1227127 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	02/07/25	02/10/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1227128**	**Batch:**	**362419**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1227128 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.09973	0.1000	mg/L	100%		76-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1227129**	**Batch:**	**362419**
Matrix (Source ID):	**Water (525543-003)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1227129 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.09574	ND	0.1000	mg/L	96%		65-121	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1227130	Batch:	362419
Matrix (Source ID):	Water (525543-003)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1227130 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1011	ND	0.1000	mg/L	101%		65-121	5	30	0.5

Type:	Blank	Lab ID:	QC1228629	Batch:	362848
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228629 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/12/25	02/12/25

Type:	Lab Control Sample	Lab ID:	QC1228630	Batch:	362848
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228630 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1228631	Batch:	362848
Matrix (Source ID):	Water (525143-006)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228631 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1228632	Batch:	362848
Matrix (Source ID):	Water (525143-006)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1228632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

* Value is outside QC limits
DO Diluted Out
ND Not Detected

Laboratory Job Number 525500

Subcontracted Products

Pace Laboratories

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 21, 2025

Zach Barker
Enthalpy
931 W Barkley Ave
Orange, CA 92868

RE: Project: 525500
Pace Project No.: 30754993

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on February 08, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

(Greensburg, PA) - Revision 1 - This report replaces the February 20, 2025 report. This project was revised on February 21, 2025 to update report to recipient.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Diane Galvan, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 525500
Pace Project No.: 30754993

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30754993001	**South Basin-Western Inlet**	Water	02/05/25 09:10	02/08/25 10:00
30754993002	**South Basin-Western Inlet**	Water	02/05/25 09:10	02/08/25 10:00

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

ENTHALPY

Enthalpy Analytical - Ora
Orange, CA 92868
(714) 771-6900 / Fax: (51

2502144

2502144

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Hold Samples until approved to analyze.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
-1 SOUTH BASIN-WESTERN INLET	05-FEB-2025 09:10	525500-001	1	Water	Organophosphorus Pesticides	Hold samples until approved to analyze
-2 SOUTH BASIN-EASTERN INLET	05-FEB-2025 09:10	525500-002	1	Water	Organophosphorus Pesticides	Hold samples until approved to analyze

Notes:	Relinquished By:	Received By:
	A. Chatterjee EA-ORA	
	Date: 2/7/25 1620	Date: 2/8/25 1000
	Date:	Date:
	Date:	Date:

CHK BY: LW
DISTRIBUTION
SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 7502144

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☒ NO ☐
(W) / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

☒ COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: WA Thermometer ID: 274

Temperature: (A) 1.0 °C / (C) 1.0 °C

Date/Time 2/8/25

Analyst Init JCN 1000

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:_____

Sample Numbering Completed By: JCN Date/Time: 2/8/25 1030

A = Actual / C = Corrected

Date of Report: 02/18/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project:	[none]
Pace Project:	30754993
Pace Work Order:	2502144
Invoice ID:	B511978

Enclosed are the results of analyses for samples received by the laboratory on 2/8/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Table of Contents

Sample Information

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Sample Results

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Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

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Internal Transfer Chain of Custody

☐ Rush Multiplier____X

☐ Samples Pre-Logged into eCOC

Cert. Needed: ☐ Yes ☐ No

Workorder: 30754993 Workorder Name: 525500 Owner Received Date: 2/8/2025 Results Requested By: 2/24/2025

Report To	Subcontract To
Nikayla M. Yasurek Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace Analytical Bakersfield 4100 Atlas Court Bakersfield, CA 93313 Phone (661)327-4911

						Preserved Containers						Requested Analysis													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HCl						Organophosphorus Pesticides													LAB USE ONLY
1	South Basin-Western Inlet	PS	2/5/2025 09:10	30754993001	Water	1						X													
2	South Basin-Western Inlet	PS	2/5/2025 09:10	30754993002	Water	1						X													
3																									
4																									
5																									

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1					
2					
3					

Cooler Temperature on Receipt ____°C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*

This chain of custody is considered complete as is since this information is available in the owner laboratory.

Tuesday, February 11, 2025 11:27:17 AM FMT-ALL-C-002rev.00 24March2009 Page 1 of 1

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All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

INTER_LABORATORY WORK ORDER # 30754993
(To be completed by sending lab)

Ship To:
Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

Sending Project No:	30754993
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	02/11/25
REQUESTED COMPLETION DATE:	**2/24/2025**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Nikayla M. Yasurek
Receiving Region	S870	External Client	Enthalpy Analytical
State of Sample Origin		QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Organophosphorus Pesticides	DG9H		HCL	2	SI-33GCV	SUB PASI GCV

Special Requirements: Report C, QC Limits (C),CA PWS CLIP (1687),PEG Level LE (1550)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Tuesday, February 11, 2025 11:27:19 AM FMT-ALL-C-001 rev.00 24March2009 Page 1 of 1

ENTHALPY

Enthalpy Analytical - Ora
Orange, CA 92868
(714) 771-6900 / Fax: (51

2502144

2502144

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Hold Samples until approved to analyze.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN-WESTERN INLET	05-FEB-2025 09:10	525500-001	1	Water	Organophosphorus Pesticides	Hold samples until approved to analyze
SOUTH BASIN-EASTERN INLET	05-FEB-2025 09:10	525500-002	1	Water	Organophosphorus Pesticides	Hold samples until approved to analyze

Notes:	Relinquished By:	Received By:
	A. Dautgen EA-ORA	
	Date: 2/7/25 1620	Date: 2/8/25 1000
	Date:	Date:
	Date:	Date:

CHK BY DISTRIBUTION
100
SUB OUT ☐

1 of 1

PACE ANALYTICAL	COOLER RECEIPT FORM	Page 1 Of 1
Submission #: 2502144		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☒ NO ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	(W) / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

☑ COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274

Temperature: (A) 1.0 °C / (C) 1.0 °C

Date/Time 2/8/25

Analyst Init JCN 1000

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JCN Date/Time: 2/8/25 1030

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2502144-01	**COC Number:**	---	**Receive Date:**	02/08/2025 10:00
	Project Number:	---	**Sampling Date:**	02/05/2025 09:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN-WESTERN INLET	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water
2502144-02	**COC Number:**	---	**Receive Date:**	02/08/2025 10:00
	Project Number:	---	**Sampling Date:**	02/05/2025 09:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN-EASTERN INLET	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2502144-01 | **Client Sample Name:** SOUTH BASIN-WESTERN INLET, 2/5/2025 9:10:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	83.2	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	02/11/25 12:00	02/17/25 19:24	HAH	GC-18	1	B205943	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2502144-02 | **Client Sample Name:** SOUTH BASIN-EASTERN INLET, 2/5/2025 9:10:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	2.5	0.60	EPA-8141A	ND	A10	1
Bolstar	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Chlorpyrifos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Coumaphos	ND	ug/L	2.5	0.55	EPA-8141A	ND	A10	1
Demeton O/S	ND	ug/L	1.0	0.28	EPA-8141A	ND	A10	1
Diazinon	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Dichlorvos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Disulfoton	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Ethoprop	ND	ug/L	1.0	0.26	EPA-8141A	ND	A10	1
Fensulfothion	ND	ug/L	1.0	0.26	EPA-8141A	ND	A10	1
Fenthion	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Merphos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Methyl parathion	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Mevinphos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Naled	ND	ug/L	2.5	0.85	EPA-8141A	ND	A10	1
Phorate	ND	ug/L	1.0	0.33	EPA-8141A	ND	A10	1
Ronnel (Fenchlorphos)	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Stirophos (Tetrachlorvinphos)	ND	ug/L	1.0	0.41	EPA-8141A	ND	A10	1
Tokuthion (Prothiofos)	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Trichloronate	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Triphenylphosphate (Surrogate)	2.0	%	50 - 130 (LCL - UCL)		EPA-8141A		S09	1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	02/11/25 12:00	02/17/25 21:51	HAH	GC-18	5	B205943	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B205943							
Azinphos methyl	B205943-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B205943-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B205943-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B205943-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B205943-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B205943-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B205943-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B205943-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B205943-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B205943-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B205943-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B205943-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B205943-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B205943-BLK1	ND	ug/L	0.20	0.050		1
Naled	B205943-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B205943-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B205943-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B205943-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B205943-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B205943-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	**B205943-BLK1**	**104**	%	**50 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B205943-BLK1	PB	EPA-8141A	02/11/25	02/17/25 11:32	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B205943											
Bolstar	B205943-BS1	LCS	1.9400	2.0000	ug/L	97.0		50 - 130			1
	B205943-BSD1	LCSD	1.9150	2.0000	ug/L	95.8	1.3	50 - 130	30		2
Chlorpyrifos	B205943-BS1	LCS	2.0000	2.0000	ug/L	100		60 - 120			1
	B205943-BSD1	LCSD	1.9550	2.0000	ug/L	97.8	2.3	60 - 120	30		2
Diazinon	B205943-BS1	LCS	1.9200	2.0000	ug/L	96.0		60 - 130			1
	B205943-BSD1	LCSD	1.9100	2.0000	ug/L	95.5	0.5	60 - 130	30		2
Methyl parathion	B205943-BS1	LCS	1.8550	2.0000	ug/L	92.8		60 - 120			1
	B205943-BSD1	LCSD	1.9050	2.0000	ug/L	95.2	2.7	60 - 120	30		2
Mevinphos	B205943-BS1	LCS	1.7150	2.0000	ug/L	85.8		50 - 120			1
	B205943-BSD1	LCSD	1.7300	2.0000	ug/L	86.5	0.9	50 - 120	30		2
Ronnel (Fenchlorphos)	B205943-BS1	LCS	1.7900	2.0000	ug/L	89.5		50 - 120			1
	B205943-BSD1	LCSD	1.7500	2.0000	ug/L	87.5	2.3	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	B205943-BS1	LCS	1.9000	2.0000	ug/L	95.0		50 - 120			1
	B205943-BSD1	LCSD	1.9200	2.0000	ug/L	96.0	1.0	50 - 120	30		2
Triphenylphosphate (Surrogate)	B205943-BS1	LCS	2.6250	2.5000	ug/L	105		50 - 130			1
	B205943-BSD1	LCSD	2.5150	2.5000	ug/L	101	4.3	50 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B205943-BS1	LCS	EPA-8141A	02/11/25	02/17/25 12:01	HAH	GC-18	1
2	B205943-BSD1	LCSD	EPA-8141A	02/11/25	02/17/25 12:31	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.
S09	The surrogate recovery for this compound was not within the control limits.

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Laboratory Job Number 525500

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2502600

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-525500

Project Location:
Project Received: 02/10/2025

Analytical Report reviewed & approved for release on 02/12/2025 by:

Ana Venegas
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502600

Project: EO-525500

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502600

Project: EO-525500

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
b1	Aqueous sample that contains greater than ~1 vol. % sediment

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502600
Date Received:	02/10/2025 8:07	**Extraction Method:**	SW8151A
Date Prepared:	02/10/2025	**Analytical Method:**	SW8151A
Project:	EO-525500	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN-WESTERN INLET	2502600-001A	Water	02/05/2025 09:10	GC15A 02112507.D	311104

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	02/11/2025 13:19
Bentazon	ND	4.1	10	10	02/11/2025 13:19
Chloramben	ND	3.1	10	10	02/11/2025 13:19
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	02/11/2025 13:19
2,4-DB	ND	2.1	10	10	02/11/2025 13:19
Dalapon	ND	3.9	10	10	02/11/2025 13:19
DCPA (mono & diacid)	ND	1.4	10	10	02/11/2025 13:19
Dicamba	ND	0.59	2.0	10	02/11/2025 13:19
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	02/11/2025 13:19
Dichloroprop	ND	1.8	10	10	02/11/2025 13:19
Dinoseb (DNBP)	ND	1.8	10	10	02/11/2025 13:19
MCPA	ND	14	20	10	02/11/2025 13:19
MCPP	ND	7.7	20	10	02/11/2025 13:19
4-Nitrophenol	ND	5.0	10	10	02/11/2025 13:19
Pentachlorophenol (PCP)	ND	0.55	2.0	10	02/11/2025 13:19
Picloram	ND	3.5	10	10	02/11/2025 13:19
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	02/11/2025 13:19
2,4,5-TP (Silvex)	ND	1.4	5.0	10	02/11/2025 13:19

Surrogates	REC (%)	Limits	
DCAA	95	60-140	02/11/2025 13:19

Analyst(s): DP Analytical Comments: a3,b1

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502600
Date Received:	02/10/2025 8:07	**Extraction Method:**	SW8151A
Date Prepared:	02/10/2025	**Analytical Method:**	SW8151A
Project:	EO-525500	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN-EASTERN INLET	2502600-002A	Water	02/05/2025 09:10	GC15A 02112508.D	311104

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	02/11/2025 13:44
Bentazon	ND	4.1	10	10	02/11/2025 13:44
Chloramben	ND	3.1	10	10	02/11/2025 13:44
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	02/11/2025 13:44
2,4-DB	ND	2.1	10	10	02/11/2025 13:44
Dalapon	ND	3.9	10	10	02/11/2025 13:44
DCPA (mono & diacid)	ND	1.4	10	10	02/11/2025 13:44
Dicamba	ND	0.59	2.0	10	02/11/2025 13:44
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	02/11/2025 13:44
Dichloroprop	ND	1.8	10	10	02/11/2025 13:44
Dinoseb (DNBP)	ND	1.8	10	10	02/11/2025 13:44
MCPA	ND	14	20	10	02/11/2025 13:44
MCPP	ND	7.7	20	10	02/11/2025 13:44
4-Nitrophenol	ND	5.0	10	10	02/11/2025 13:44
Pentachlorophenol (PCP)	ND	0.55	2.0	10	02/11/2025 13:44
Picloram	ND	3.5	10	10	02/11/2025 13:44
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	02/11/2025 13:44
2,4,5-TP (Silvex)	ND	1.4	5.0	10	02/11/2025 13:44

Surrogates	REC (%)	Limits	
DCAA	104	60-140	02/11/2025 13:44

Analyst(s): DP

Analytical Comments: a3,b1

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502600
Date Prepared:	02/10/2025	**BatchID:**	311104
Date Analyzed:	02/11/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-525500	**Sample ID:**	MB/LCS/LCSD-311104

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.9			10	99	70-130

(Cont.)

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502600
Date Prepared:	02/10/2025	**BatchID:**	311104
Date Analyzed:	02/11/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-525500	**Sample ID:**	MB/LCS/LCSD-311104

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	9.0	8.9	10	90	89	70-130	1.67	30
Bentazon	9.6	9.3	10	96	93	70-130	2.75	30
Chloramben	11	12	10	110	116	70-130	5.61	30
2,4-D (Dichlorophenoxyacetic acid)	11	10	10	105	101	70-130	3.96	30
2,4-DB	7.9	7.9	10	79	79	70-130	0.231	30
Dalapon	12	12	10	122	122	70-130	0.209	30
DCPA (mono & diacid)	9.9	10	10	99	102	70-130	2.66	30
Dicamba	11	11	10	108	112	70-130	3.14	30
3,5-Dichlorobenzoic Acid	11	11	10	109	113	70-130	3.69	30
Dichloroprop	10	10	10	104	102	70-130	1.98	30
Dinoseb (DNBP)	9.1	9.6	10	91	96	70-130	5.38	30
MCPA	110	100	100	105	105	70-130	0.248	30
MCPP	98	110	100	98	114	70-130	14.5	30
4-Nitrophenol	14	14	10	137,F2	140,F2	70-130	2.66	30
Pentachlorophenol (PCP)	9.8	10	10	98	101	70-130	3.22	30
Picloram	9.5	9.8	10	95	98	70-130	3.08	30
2,4,5-T (Trichlorophenoxy acetic acid)	9.7	10	10	97	103	70-130	6.66	30
2,4,5-TP (Silvex)	9.5	10	10	95	100	70-130	5.60	30
Surrogate Recovery								
DCAA	10	11	10	103	109	70-130	5.63	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502600 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-525500

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **2 days;**

Date Received: **02/10/2025**
Date Logged: **02/10/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502600-001	SOUTH BASIN-WESTERN INLET	Water	2/5/2025 09:10	☐	A	A										
2502600-002	SOUTH BASIN-EASTERN INLET	Water	2/5/2025 09:10	☐	A	A										

Test Legend:

1	8151_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-525500
Comments

Work Order: 2502600
QC Level: LEVEL 2
Date Logged: 2/10/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN-WESTERN INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	2/5/2025 9:10	2 days	2/12/2025	1%+	☐	☐
002A	SOUTH BASIN-EASTERN INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	2/5/2025 9:10	2 days	2/12/2025	5%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2502600

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649 **HOLD TIME RUSH**

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN-WESTERN INLET	05-FEB-2025 09:10	525500-001	1	Water	EPA 8151A Chlorinated Herbicides	
SOUTH BASIN-EASTERN INLET	05-FEB-2025 09:10	525500-002	1	Water	EPA 8151A Chlorinated Herbicides	

Notes:	Relinquished By:	Received By:
	A. Winterson EA-ORA	
	Date: 2/6/25 1600	Date: 2/6/25 0802
		2.4 and 1244
	Date:	Date:
	Date:	Date:

1 of 1

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-525500

WorkOrder №: 2502600 Matrix: Water
Carrier: Golden State Overnight

Date and Time Received: 2/10/2025 08:07
Date Logged: 2/10/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☐	No ☑	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 2.6°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Laboratory Job Number 525500

Subcontracted Products

Enthalpy - El Dorado Hills

February 24, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2502054

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on February 07, 2025 under your Project Name 'EO-525500'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2502054
Case Narrative

Sample Condition on Receipt:

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2502054-01	SOUTH BASIN-WESTERN INLET	05-Feb-25 09:10	07-Feb-25 11:24	Amber Glass NM Bottle, 1L
2502054-02	SOUTH BASIN-EASTERN INLET	05-Feb-25 09:10	07-Feb-25 11:24	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-525500
Matrix: Aqueous

Laboratory Data
Lab Sample: B25B167-BLK1
QC Batch: B25B167 Date Extracted: 17-Feb-25
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		20-Feb-25 10:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	78.9	40 - 135		20-Feb-25 10:31	1
37Cl-2,3,7,8-TCDD	CRS	91.5	40 - 135		20-Feb-25 10:31	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: OPR **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-525500
Matrix: Aqueous

Laboratory Data
Lab Sample: B25B167-BS1
QC Batch: B25B167 Date Extracted: 17-Feb-25 16:00
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	233	200	116	70-130		20-Feb-25 09:16	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	82.5	40-135		20-Feb-25 09:16	1
37Cl-2,3,7,8-TCDD	CRS	98.2	40-135		20-Feb-25 09:16	1

Sample ID: SOUTH BASIN-WESTERN INLET **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-525500
Matrix: Water
Date Collected: 05-Feb-25 09:10

Laboratory Data

Lab Sample: 2502054-01
QC Batch: B25B167
Sample Size: 1.04 L
Date Received: 07-Feb-25 11:24
Date Extracted: 17-Feb-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.71	4.80		20-Feb-25 11:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	52.2	40 - 135		20-Feb-25 11:31	1
37Cl-2,3,7,8-TCDD	CRS	76.5	40 - 135		20-Feb-25 11:31	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: SOUTH BASIN-EASTERN INLET

EPA Method 8290A

Client Data

Name: Enthalpy Analytical
Project: EO-525500
Matrix: Water
Date Collected: 05-Feb-25 09:10

Laboratory Data

Lab Sample: 2502054-02
QC Batch: B25B167
Sample Size: 1.02 L
Date Received: 07-Feb-25 11:24
Date Extracted: 17-Feb-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.74	4.90		20-Feb-25 12:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	2.10	40 - 135	H	20-Feb-25 12:17	1
37Cl-2,3,7,8-TCDD	CRS	92.5	40 - 135		20-Feb-25 12:17	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

2502054 0.4°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN-WESTERN INLET	05-FEB-2025 09:10	525500-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	
SOUTH BASIN-EASTERN INLET	05-FEB-2025 09:10	525500-002	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	EA ORA	Jennifer Torres
	Date: 2/6/25 1600	Date: 02/07/25 1124
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2502054

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2502054-01	A SOUTH BASIN-WESTERN INLET	☑ (a)	525500-001	05-Feb-25 09:10	☑	Amber Glass NM Bottle, 1L	Aqueous	
2502054-02	A SOUTH BASIN-EASTERN INLET	☑	525500-002	05-Feb-25 09:10	☑ (B)	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?			
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments: (a) no backup volume received
(B) time reconciled using barcode label

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verified by/Date: WWS 02/07/25
JT 02/07/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526314
Report Level : II
Report Date : 02/27/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - SW - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	526314
Project No:	SW - IGP
Location:	SW - IGP
Date Received:	02/13/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	526314-001	02/13/25 09:00	Water
SOUTH BASIN - EASTERN INLET	526314-002	02/13/25 08:15	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 526314 Project No: SW - IGP Location: SW - IGP Date Received: 02/13/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.

Metals (EPA 200.7):

- High recoveries were observed for iron in the MS/MSD for batch 363063; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

- High RPD was observed for total suspended solids in the SDUP of SOUTH BASIN - WESTERN INLET (lab # 526314-001).
- High RPD was observed for total suspended solids in the SDUP for batch 363491; the parent sample was not a project sample.
- No other analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):

No analytical problems were encountered.

Login 526314

526314

Chain of Custody

Pg 1 of 4

SWT Civil & Environmental ENGINEERING

Enthalpy Analytical

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: MTuggle

Project Information

Project ID: Chiquita Canyon Landfill - IGP
Project Number:

TAT

Standard	Rush
10 Days ●	___ Days / Hours ○

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	TSS (SM 2540-D)	O&G (EPA 1664A)	Fe (EPA 200.7)	Chloride (EPA 300.0)	Coliform Bacteria, Total (EPA 9221 B, C, or E)	E coli (SM 9221F)	Notes
SOUTH Basin- Western Inlet	2/13	0900		X	X		X	X	X		X	X	X			6	X	X	X	X	X	X	Field pH: 8.92
SOUTH Basin- Eastern Inlet	2/13	0815		X	X		X	X	X		X	X	X			6	X	X	X	X	X	X	Field pH: 9.17

Relinquished by	Received by	Date	Time
Matt Tuggle	[illegible]	2/13/25	13:00
[illegible]	[illegible]	2/13/25	15:12

DDW Write On EDT Transmission? ○ Yes ● No
State System Number:
If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No
Global ID: Sampling Company Log Code:
EDF to (Email Address):
Travel and Site Time: Mileage: Misc. Supplies:

tl EHL

2.8
3.1
8.2

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/13/25 WO# 526314 Client: Waste Connections Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☐ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 2/13/25 **By (print)** G. Kim **(sign)** _____

Date Labeled 2/13/25 **By (print)** Orange **(sign)** _____

Sampling Event Observation Form

Date and Time of Inspection: 2/13/25	Report Date: 2/13/25
Chiquita Canyon Landfill	

Weather

Previous Weather Conditions (last 48 hours): 45°-61° F sunny, cloudy, rain Precipitation Total: 0,35"	Weather: cloudy, rain, 55°F

Estimate storm beginning:	Estimate storm duration:	Estimate time since last storm:	Rain gauge reading:
0300 2/13 (date and time)	12 (hours)	8 days (days or hours)	(inches)

Sampling Event Observations

Observations: If yes identify location and observe drainage area to identify probable cause

Odors	Yes ☐ No ☑
Floating solids, not including organics	Yes ☐ No ☑
Visible Oil Sheen	Yes ☐ No ☑
Discoloration (i.e. any color or cloudiness that is not clear)	Yes ☑ No ☐

Exception Documentation (explanation required if inspection could not be conducted).

Inspector Information

Inspector Name: Matt Tuggle	Inspector Title: CTEH Environmental Specialist
Signature:	Date: 2/13/25

ENTHALPY ANALYTICAL

Analysis Results for 526314

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526314
Project No: SW - IGP
Location: SW - IGP
Date Received: 02/13/25

Sample ID: SOUTH BASIN - WESTERN INLET | **Lab ID:** 526314-001 | **Matrix:** Water | **Collected:** 02/13/25 09:00

526314-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**8.8**		mg/L	4.9	2.0	0.97	363959	02/24/25	02/25/25	HXO
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**110**		mg/L	4.6	4.6	100	363063	02/14/25	02/14/25	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**9.2**		mg/L	1.0	0.27	1	363006	02/13/25 17:20	02/14/25 05:34	AJL
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	362989	02/13/25 15:52	02/15/25 18:41	BPH
Method: SM 9221F										
Coliform, E. Coli	**130**		MPN/100ml	1.8		1	362989	02/13/25 15:52	02/15/25 18:41	BPH
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3,200**		mg/L	0.5		1	363314	02/17/25	02/18/25	TRR

Sample ID: SOUTH BASIN - EASTERN INLET | **Lab ID:** 526314-002 | **Matrix:** Water | **Collected:** 02/13/25 08:15

526314-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**25**		mg/L	4.8	2.0	0.96	363959	02/24/25	02/25/25	HXO
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**140**		mg/L	4.6	4.6	100	363063	02/14/25	02/14/25	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**71**		mg/L	1.0	0.27	1	363006	02/13/25 17:20	02/14/25 05:54	AJL
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	362989	02/13/25 15:52	02/15/25 18:41	BPH
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	362989	02/13/25 15:52	02/15/25 18:41	BPH
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**8,200**		mg/L	0.5		1	363491	02/19/25	02/19/25	DXA

> Value exceeds indicated concentration

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526314

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1232459	Batch: 363959
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1232459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	02/24/25	02/25/25

Type: Lab Control Sample	Lab ID: QC1232460	Batch: 363959
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1232460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	31.60	40.00	mg/L	79%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1232461	Batch: 363959
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1232461 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	33.00	40.00	mg/L	83%		78-114	4	18

Type: Matrix Spike	Lab ID: QC1229365	Batch: 363063
Matrix (Source ID): Water (526198-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1229365 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	4.004	1.028	0.4000	mg/L	744%	*	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1229366	Batch: 363063
Matrix (Source ID): Water (526198-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1229366 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	3.998	1.028	0.4000	mg/L	742%	*	75-125	0	20	1

Type: Blank	Lab ID: QC1229367	Batch: 363063
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1229367 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	02/14/25	02/14/25

Type: Lab Control Sample	Lab ID: QC1229368	Batch: 363063
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1229368 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3761	0.4000	mg/L	94%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type: Serial Dilution	Lab ID: QC1229440	Batch: 363063
Matrix (Source ID): Water (526166-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1229440 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	3.864	3.860	mg/L				5

Type: Blank	Lab ID: QC1229156	Batch: 363006
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC1229156 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	02/13/25 17:20	02/13/25 19:49

Type: Lab Control Sample	Lab ID: QC1229157	Batch: 363006
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC1229157 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.21	50.00	mg/L	94%		90-110

Type: Matrix Spike	Lab ID: QC1229158	Batch: 363006
Matrix (Source ID): Water (526106-001)	Method: EPA 300.0	Prep Method: METHOD

QC1229158 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	139.5	40.16	100.0	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1229159	Batch: 363006
Matrix (Source ID): Water (526106-001)	Method: EPA 300.0	Prep Method: METHOD

QC1229159 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	140.2	40.16	100.0	mg/L	100%		80-120	0	20	1

Type: Blank	Lab ID: QC1230231	Batch: 363314
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1230231 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/17/25	02/18/25

Type: Lab Control Sample	Lab ID: QC1230232	Batch: 363314
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1230232 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	101.9	100.0	mg/L	102%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1230233	Batch:	363314
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1230233 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	104.7	100.0	mg/L	105%		90-110	3	5

Type:	Sample Duplicate	Lab ID:	QC1230234	Batch:	363314
Matrix (Source ID):	Water (526256-007)	Method:	SM2540D	Prep Method:	METHOD

QC1230234 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	165.5	161.5	mg/L		2	5	1

Type:	Sample Duplicate	Lab ID:	QC1230235	Batch:	363314
Matrix (Source ID):	Water (526314-001)	Method:	SM2540D	Prep Method:	METHOD

QC1230235 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	2,867	3183	mg/L		10*	5	1

Type:	Blank	Lab ID:	QC1230856	Batch:	363491
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1230856 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/19/25	02/19/25

Type:	Lab Control Sample	Lab ID:	QC1230857	Batch:	363491
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1230857 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	101.0	100.0	mg/L	101%		90-110

Type:	Lab Control Sample Duplicate	Lab ID:	QC1230858	Batch:	363491
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1230858 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	97.50	100.0	mg/L	98%		90-110	4	5

Type:	Sample Duplicate	Lab ID:	QC1230859	Batch:	363491
Matrix (Source ID):	Water (526248-001)	Method:	SM2540D	Prep Method:	METHOD

QC1230859 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	281.1	294.4	mg/L		5	5	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1230860**	**Batch:**	**363491**
Matrix (Source ID):	**Water (526333-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1230860 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,493	1224	mg/L		20*	5	1

* Value is outside QC limits
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526317
Report Level : II
Report Date : 02/28/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - SW - SUBCHAPTER N

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	526317
Project No:	SW - SUBCHAPTER N
Location:	SW - SUBCHAPTER N
Date Received:	02/13/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	526317-001	02/13/25 09:00	Water
SOUTH BASIN - EASTERN INLET	526317-002	02/13/25 08:15	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 526317 Project No: SW - SUBCHAPTER N Location: SW - SUBCHAPTER N Date Received: 02/13/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.

Semivolatile Organics by GC/MS (EPA 625.1):
No analytical problems were encountered.

Metals (EPA 200.8):
No analytical problems were encountered.

Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

FGL

Login 526317

526317

Chain of Custody

Pg 2 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To

tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910
stormwater@wasteconnections.com

Sampler Name: M Tuggle

Project Information

Project ID: Chiquita Canyon Landfill - Subchapter N
Project Number:

TAT

Standard	Rush
10 Days ●	___ Days / Hours ○

*Excluding parameters sampled as part of IGP analysis

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	BOD (SM 5210B)	Ammonia (as Nitrogen) (SM 2540-D)	α - Terpineol (USEPA 8270)	Benzoic Acid (USEPA 625)	Naphthalene (USEPA 625)	p-Cresol (USEPA 625)	Phenol (USEPA 625)	Pyridine (USEPA 625)	Arsenic (USEPA 200.8)	Chromium (USEPA 200.7/200.8)	Zinc (USEPA 200.8)	Notes
SOUTH Basin- Western Inlet	2/13	0900		X	X		X	X	X	X	X	X	X			4	X	X	X	X	X	X	X	X	X	X	X	Field pH: 8.92
SOUTH Basin- Eastern Inlet	2/13	0815		X	X		X	X	X	X	X	X	X			4	X	X	X	X	X	X	X	X	X	X	X	Field pH: 9.17

Relinquished by	Received by	Date	Time
Matt Tuggle	Marcelo Linares	2/13/25	13:00
Marcelo Linares		2/13/25	15:12

DDW Write On EDT Transmission? ○ Yes ● No

State System Number:

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time:	Mileage:	Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/13/25 WO# 5263 I-7 Client: Waste Connections Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ **Yes** ☐ **No**

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 2/13/25 **By (print)** G. Kim **(sign)** _____

Date Labeled 2/13/25 **By (print)** Orange **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 526317

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526317
Project No: SW - SUBCHAPTER N
Location: SW - SUBCHAPTER N
Date Received: 02/13/25

Sample ID: **SOUTH BASIN - WESTERN INLET** **Lab ID:** **526317-001** **Matrix:** **Water** **Collected:** **02/13/25 09:00**

526317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 200.8										
Arsenic	**20**		ug/L	2.0	0.18	1	363046	02/14/25	02/15/25	KAM
Chromium	**130**		ug/L	5.0	0.79	1	363046	02/14/25	02/15/25	KAM
Zinc	**660**		ug/L	100	62	10	363046	02/14/25	02/20/25	KAM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.35**		mg/L	0.10	0.050	1	363898	02/27/25	02/27/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	ND		ug/L	200	77	4	363056	02/14/25	02/14/25	ZFA
Pyridine	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
Phenol	ND		ug/L	40	14	4	363056	02/14/25	02/14/25	ZFA
2-Methylphenol	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
3-,4-Methylphenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Naphthalene	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Cresol	ND		ug/L	40		4	363056	02/14/25	02/14/25	ZFA
TIC:a-Terpineol	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	46%		%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
Phenol-d6	41%		%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
2,4,6-Tribromophenol	44%		%REC	12-140		4	363056	02/14/25	02/14/25	ZFA
Nitrobenzene-d5	36%		%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
2-Fluorobiphenyl	34%		%REC	11-140		4	363056	02/14/25	02/14/25	ZFA
Terphenyl-d14	36%		%REC	20-140		4	363056	02/14/25	02/14/25	ZFA
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**7.0**	BOD5	mg/L	3.0		1	363094	02/14/25 17:10	02/19/25 15:28	AAB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526317

Sample ID:	Lab ID: 526317-002	Collected: 02/13/25 08:15
SOUTH BASIN - EASTERN INLET	Matrix: Water	

526317-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 200.8										
Arsenic	**42**		ug/L	2.0	0.18	1	363046	02/14/25	02/15/25	KAM
Chromium	**150**		ug/L	5.0	0.79	1	363046	02/14/25	02/15/25	KAM
Zinc	**1,100**		ug/L	200	120	20	363046	02/14/25	02/20/25	KAM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.27**		mg/L	0.10	0.050	1	363898	02/27/25	02/27/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	ND		ug/L	100	39	2	363056	02/14/25	02/14/25	ZFA
Pyridine	ND		ug/L	20	7.7	2	363056	02/14/25	02/14/25	ZFA
Phenol	ND		ug/L	20	7.1	2	363056	02/14/25	02/14/25	ZFA
2-Methylphenol	ND		ug/L	20	6.4	2	363056	02/14/25	02/14/25	ZFA
3-,4-Methylphenol	ND		ug/L	20	5.3	2	363056	02/14/25	02/14/25	ZFA
Naphthalene	ND		ug/L	20	5.4	2	363056	02/14/25	02/14/25	ZFA
Cresol	ND		ug/L	20		2	363056	02/14/25	02/14/25	ZFA
TIC:a-Terpineol	ND		ug/L			2	363056	02/14/25	02/14/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	66%		%REC	10-140		2	363056	02/14/25	02/14/25	ZFA
Phenol-d6	52%		%REC	10-140		2	363056	02/14/25	02/14/25	ZFA
2,4,6-Tribromophenol	90%		%REC	12-140		2	363056	02/14/25	02/14/25	ZFA
Nitrobenzene-d5	68%		%REC	10-140		2	363056	02/14/25	02/14/25	ZFA
2-Fluorobiphenyl	65%		%REC	11-140		2	363056	02/14/25	02/14/25	ZFA
Terphenyl-d14	73%		%REC	20-140		2	363056	02/14/25	02/14/25	ZFA
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**6.6**	BOD5	mg/L	3.0		1	363094	02/14/25 17:10	02/19/25 15:28	AAB

BOD5 Estimated result, under-depleted, highest volume replicate reported
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC1229302 **Batch:** 363046
Matrix: Water **Method:** EPA 200.8 **Prep Method:** EPA 200.8

QC1229302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.18	02/14/25	02/15/25
Chromium	ND		ug/L	5.0	0.79	02/14/25	02/15/25
Zinc	ND		ug/L	10	6.2	02/14/25	02/15/25

Type: Lab Control Sample **Lab ID:** QC1229303 **Batch:** 363046
Matrix: Water **Method:** EPA 200.8 **Prep Method:** EPA 200.8

QC1229303 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	96.81	100.0	ug/L	97%		85-115
Chromium	103.2	100.0	ug/L	103%		85-115
Zinc	100.5	100.0	ug/L	100%		85-115

Type: Matrix Spike **Lab ID:** QC1229304 **Batch:** 363046
Matrix (Source ID): Water (526257-013) **Method:** EPA 200.8 **Prep Method:** EPA 200.8

QC1229304 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	115.7	15.45	100.0	ug/L	100%		70-130	1
Chromium	102.1	1.473	100.0	ug/L	101%		70-130	1
Zinc	410.9	304.8	100.0	ug/L	106%		70-130	1

Type: Matrix Spike Duplicate **Lab ID:** QC1229305 **Batch:** 363046
Matrix (Source ID): Water (526257-013) **Method:** EPA 200.8 **Prep Method:** EPA 200.8

QC1229305 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	106.8	15.45	100.0	ug/L	91%		70-130	8	20	1
Chromium	97.84	1.473	100.0	ug/L	96%		70-130	4	20	1
Zinc	379.8	304.8	100.0	ug/L	75%		70-130	8	20	1

Type: Matrix Spike **Lab ID:** QC1229306 **Batch:** 363046
Matrix (Source ID): Water (526355-003) **Method:** EPA 200.8 **Prep Method:** EPA 200.8

QC1229306 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	95.57	0.4997	100.0	ug/L	95%		70-130	1
Chromium	108.3	1.043	100.0	ug/L	107%		70-130	1
Zinc	337.9	244.3	100.0	ug/L	94%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1229307	Batch:	363046
Matrix (Source ID):	Water (526355-003)	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC1229307 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	97.80	0.4997	100.0	ug/L	97%		70-130	2	20	1
Chromium	109.3	1.043	100.0	ug/L	108%		70-130	1	20	1
Zinc	346.0	244.3	100.0	ug/L	102%		70-130	2	20	1

Type:	Lab Control Sample	Lab ID:	QC1232263	Batch:	363898
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1232263 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.021	1.000	mg/L	102%		90-110

Type:	Blank	Lab ID:	QC1232264	Batch:	363898
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1232264 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	02/27/25	02/27/25

Type:	Matrix Spike	Lab ID:	QC1233810	Batch:	363898
Matrix (Source ID):	Water (526598-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1233810 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.081	ND	1.000	mg/L	108%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1233811	Batch:	363898
Matrix (Source ID):	Water (526598-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1233811 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.030	ND	1.000	mg/L	103%		90-110	5	20	1

Type:	Matrix Spike	Lab ID:	QC1233812	Batch:	363898
Matrix (Source ID):	Water (526598-002)	Method:	EPA 350.1	Prep Method:	METHOD

QC1233812 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.150	0.07151	1.000	mg/L	108%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1233813**	**Batch:**	**363898**
Matrix (Source ID):	**Water (526598-002)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1233813 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.117	0.07151	1.000	mg/L	105%		90-110	3	20	1

Type:	**Blank**	**Lab ID:**	**QC1229347**	**Batch:**	**363056**
Matrix:	**Water**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1229347 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	19	02/14/25	02/14/25
Pyridine	ND		ug/L	10	3.9	02/14/25	02/14/25
Phenol	ND		ug/L	10	3.5	02/14/25	02/14/25
2-Methylphenol	ND		ug/L	10	3.2	02/14/25	02/14/25
3-,4-Methylphenol	ND		ug/L	10	2.6	02/14/25	02/14/25
Naphthalene	ND		ug/L	10	2.7	02/14/25	02/14/25
Cresol	ND		ug/L	10		02/14/25	02/14/25
TIC:a-Terpineol	ND		ug/L			02/14/25	02/14/25
Surrogates				**Limits**			
2-Fluorophenol	55%		%REC	20-140		02/14/25	02/14/25
Phenol-d6	36%		%REC	20-140		02/14/25	02/14/25
2,4,6-Tribromophenol	78%		%REC	20-140		02/14/25	02/14/25
Nitrobenzene-d5	73%		%REC	20-140		02/14/25	02/14/25
2-Fluorobiphenyl	80%		%REC	20-140		02/14/25	02/14/25
Terphenyl-d14	90%		%REC	20-140		02/14/25	02/14/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229348**	**Batch:**	**363056**
Matrix:	**Water**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1229348 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	26.17	75.00	ug/L	35%		13-120
3-,4-Methylphenol	51.00	75.00	ug/L	68%		29-120
Surrogates						
2-Fluorophenol	19.76	40.00	ug/L	49%		20-140
Phenol-d6	13.38	40.00	ug/L	33%		20-140
2,4,6-Tribromophenol	36.73	40.00	ug/L	92%		20-140
Nitrobenzene-d5	30.50	40.00	ug/L	76%		20-140
2-Fluorobiphenyl	31.72	40.00	ug/L	79%		20-140
Terphenyl-d14	32.45	40.00	ug/L	81%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1229349**	**Batch:**	**363056**
Matrix:	**Water**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1229349 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	27.66	75.00	ug/L	37%		13-120	6	62
3-,4-Methylphenol	57.05	75.00	ug/L	76%		29-120	11	62
Surrogates								
2-Fluorophenol	19.93	40.00	ug/L	50%		20-140		
Phenol-d6	14.17	40.00	ug/L	35%		20-140		
2,4,6-Tribromophenol	38.52	40.00	ug/L	96%		20-140		
Nitrobenzene-d5	33.41	40.00	ug/L	84%		20-140		
2-Fluorobiphenyl	32.72	40.00	ug/L	82%		20-140		
Terphenyl-d14	33.30	40.00	ug/L	83%		20-140		

Type:	**Blank**	**Lab ID:**	**QC1229433**	**Batch:**	**363094**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1229433 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		02/14/25 17:10	02/19/25 15:28

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229434**	**Batch:**	**363094**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1229434 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	173.4	198.0	mg/L	88%		84.6-115.4

Type:	**Sample Duplicate**	**Lab ID:**	**QC1229435**	**Batch:**	**363094**
Matrix (Source ID):	**Water (525782-004)**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1229435 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Biochemical Oxygen Demand	722.4	652.5	mg/L		10	30	1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526321
Report Level : II
Report Date : 03/05/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

Authorized for release by:

David Tripp, Project Manager
657-581-4710
david.tripp@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	526321
Project No:	SW - MPARS
Location:	SW - MPARS
Date Received:	02/13/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	526321-001	02/13/25 09:00	Water
SOUTH BASIN - EASTERN INLET	526321-002	02/13/25 08:15	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 526321 Project No: SW - MPARS Location: SW - MPARS Date Received: 02/13/25

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.
- Samples for CO2 by RSK175 were not shipped to the subcontract lab (McCampbell Analytical) due to an internal shipping error; therefore, results for this analysis are not included in the final report. A Corrective Action Report (CAR) investigation is under way, the findings of which we'll send in follow-up to this report as soon as our investigation is completed.

Volatile Organics by GC/MS (EPA 8260B):

- Naphthalene was detected between the MDL and the RL in the method blank for batch 364222; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 200.7 and EPA 200.8):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 363006; affected data was qualified with "E".
- No other analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Alkalinity (SM2320B):

- Alkalinity is reported past hold time for SOUTH BASIN - WESTERN INLET (-001), due to a questionable value yielded in the original analysis. The sample was re-analyzed following that original analysis. The 2nd and 3rd results are consistent with one another, and the expected ratio with TDS results - however, both the 2nd and 3rd analyses were conducted past hold time.
- No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

FGL

Login 526321

526321

Chain of Custody

Pg 3 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To

tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910
stormwater@wasteconnections.com

Sampler Name: M Tuggle

Project Information

Project ID: Chiquita Canyon Landfill - MPars
Project Number:

Analysis Request

TAT

Standard	Rush
10 Days ●	___ Days / Hours ○

*Excluding parameters sampled as part of IGP & Sub N analysis

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	VOCs 8260B	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Nitrate-N	COD,SO4, TDS, TOC	B, Ca, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon Dioxide	Notes
SOUTH Basin- Western Inlet	2/13	0900	X	X	X			X	X	X	X		X			12	X	X	X	X	X	X	X	X	X	Field pH: 8.92 Turbidity: Temp: 15.5 Specific Conductance:
SOUTH Basin- Eastern Inlet	2/13	0815	X	X	X			X	X	X	X		X			12	X	X	X	X	X	X	X	X	X	Field pH: 9.17 Turbidity: Temp: 14.5 Specific Conductance:

Relinquished by	Received by	Date	Time
Matt Tuggle	MARIBEL BOLANOS	2/13/25	1300
MARIBEL BOLANOS		2/13/25	1512

DDW Write On EDT Transmission ○ Yes ● No

State System Numbe

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Re ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/13/25 WO# 52632 | Client: Waste Connections Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ☐ **Yes** ☐ **No**

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?	✓		
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 2/13/25 **By (print)** G. Kim **(sign)** _____

Date Labeled 2/13/25 **By (print)** Orange **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 526321

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526321
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 02/13/25

Sample ID: SOUTH BASIN - WESTERN INLET | **Lab ID:** 526321-001 | **Matrix:** Water | **Collected:** 02/13/25 09:00

526321-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**200**		mg/L	0.57	0.57	1	363063	02/14/25	02/14/25	SBW
Magnesium	**47**		mg/L	0.10	0.025	1	363063	02/14/25	02/14/25	SBW
Potassium	**26**		mg/L	0.50	0.40	1	363063	02/14/25	02/14/25	SBW
Sodium	**31**		mg/L	0.50	0.34	1	363063	02/14/25	02/14/25	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Boron	**240**		ug/L	100	69	10	363046	02/14/25	02/20/25	KAM
Manganese	**2,100**		ug/L	100	30	10	363046	02/14/25	02/20/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.16**	J	mg/L	0.20	0.072	1	363006	02/13/25 17:20	02/14/25 04:31	AJL
Nitrogen, Nitrite	**0.07**	J	mg/L	0.10	0.02	1	363006	02/13/25 17:20	02/14/25 04:31	AJL
Bromide	ND		mg/L	0.30	0.060	1	363006	02/13/25 17:20	02/14/25 04:31	AJL
Nitrogen, Nitrate	**0.27**		mg/L	0.10	0.05	1	363006	02/13/25 17:20	02/14/25 04:31	AJL
Sulfate	**38**		mg/L	1.0	0.25	1	363006	02/13/25 17:20	02/14/25 04:31	AJL
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364222	02/26/25	02/26/25	YAH
Freon 12	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Chloromethane	ND		ug/L	5.0	0.4	1	364222	02/26/25	02/26/25	YAH
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	364222	02/26/25	02/26/25	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Acetone	ND		ug/L	100	16	1	364222	02/26/25	02/26/25	YAH
Freon 113	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Methylene Chloride	ND		ug/L	5.0	1.4	1	364222	02/26/25	02/26/25	YAH
MTBE	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
2-Butanone	ND		ug/L	100	3.1	1	364222	02/26/25	02/26/25	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
Chloroform	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Bromochloromethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364222	02/26/25	02/26/25	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526321

526321-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
Trichloroethene	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Dibromomethane	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364222	02/26/25	02/26/25	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Toluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Chlorobenzene	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	364222	02/26/25	02/26/25	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Styrene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Bromoform	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Bromobenzene	ND		ug/L	5.0	0.07	1	364222	02/26/25	02/26/25	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364222	02/26/25	02/26/25	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364222	02/26/25	02/26/25	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Naphthalene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364222	02/26/25	02/26/25	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364222	02/26/25	02/26/25	YAH
Xylene (total)	ND		ug/L	5.0		1	364222	02/26/25	02/26/25	YAH
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH
1,2-Dichloroethane-d4	112%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH
Toluene-d8	89%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH
Bromofluorobenzene	96%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 526321

526321-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	5.0	4.8	5	363412	02/18/25	02/19/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		5	363412	02/18/25	02/19/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**17**		mg/L	1.0	0.24	1	363437	02/18/25	02/19/25	DXA
Method: SM2130B										
Turbidity	**280**		NTU	1.0	0.09	10	362949	02/13/25 18:55	02/13/25 18:55	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**140**	H	mg/L	24		10	364786	03/03/25	03/03/25	WWC
Alkalinity, Total as CaCO3	**120**	H	mg/L	20		10	364786	03/03/25	03/03/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**330**		umhos/cm	1.0		1	364423	02/27/25	02/27/25	ARM
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**180**		mg/L	20		2	363091	02/14/25	02/17/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**260**		mg/L	4.0	1.6	1	363178	02/15/25	02/15/25	EPL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526321

Sample ID:	Lab ID: 526321-002	Collected: 02/13/25 08:15
SOUTH BASIN - EASTERN INLET	Matrix: Water	

526321-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**440**		mg/L	0.57	0.57	1	363063	02/14/25	02/14/25	SBW
Magnesium	**69**		mg/L	0.10	0.025	1	363063	02/14/25	02/14/25	SBW
Potassium	**37**		mg/L	0.50	0.40	1	363063	02/14/25	02/14/25	SBW
Sodium	**110**		mg/L	0.50	0.34	1	363063	02/14/25	02/14/25	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Boron	**350**		ug/L	100	69	10	363046	02/14/25	02/20/25	KAM
Manganese	**3,100**		ug/L	100	30	10	363046	02/14/25	02/20/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.17**	J	mg/L	0.20	0.072	1	363006	02/13/25 17:20	02/14/25 04:52	AJL
Nitrogen, Nitrite	**0.29**		mg/L	0.10	0.02	1	363006	02/13/25 17:20	02/14/25 04:52	AJL
Bromide	**0.24**	J	mg/L	0.30	0.060	1	363006	02/13/25 17:20	02/14/25 04:52	AJL
Nitrogen, Nitrate	**2.5**		mg/L	0.10	0.05	1	363006	02/13/25 17:20	02/14/25 04:52	AJL
Sulfate	**430**		mg/L	10	2.5	10	363006	02/13/25 17:20	02/14/25 05:13	AJL
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	364222	02/26/25	02/26/25	YAH
Freon 12	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Chloromethane	ND		ug/L	5.0	0.4	1	364222	02/26/25	02/26/25	YAH
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	364222	02/26/25	02/26/25	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Acetone	ND		ug/L	100	16	1	364222	02/26/25	02/26/25	YAH
Freon 113	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Methylene Chloride	ND		ug/L	5.0	1.4	1	364222	02/26/25	02/26/25	YAH
MTBE	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
2-Butanone	ND		ug/L	100	3.1	1	364222	02/26/25	02/26/25	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
Chloroform	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Bromochloromethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	364222	02/26/25	02/26/25	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Benzene	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
Trichloroethene	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Dibromomethane	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526321

526321-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	364222	02/26/25	02/26/25	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Toluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Tetrachloroethene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Chlorobenzene	ND		ug/L	5.0	0.09	1	364222	02/26/25	02/26/25	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	364222	02/26/25	02/26/25	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Styrene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Bromoform	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364222	02/26/25	02/26/25	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Bromobenzene	ND		ug/L	5.0	0.07	1	364222	02/26/25	02/26/25	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	364222	02/26/25	02/26/25	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	364222	02/26/25	02/26/25	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
Naphthalene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	364222	02/26/25	02/26/25	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	364222	02/26/25	02/26/25	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	364222	02/26/25	02/26/25	YAH
Xylene (total)	ND		ug/L	5.0		1	364222	02/26/25	02/26/25	YAH
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH
1,2-Dichloroethane-d4	111%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH
Toluene-d8	89%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH
Bromofluorobenzene	96%		%REC	70-130		1	364222	02/26/25	02/26/25	YAH
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	363412	02/18/25	02/19/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	363412	02/18/25	02/19/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526321

526321-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**34**		mg/L	1.0	0.24	1	363437	02/18/25	02/19/25	DXA
Method: SM2130B										
Turbidity	**720**		NTU	1.0	0.09	10	362949	02/13/25 18:55	02/13/25 18:55	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**230**		mg/L	12		5	363189	02/15/25	02/15/25	WWC
Alkalinity, Total as CaCO3	**230**		mg/L	10		5	363189	02/15/25	02/15/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**1,260**		umhos/cm	1.0		1	364423	02/27/25	02/27/25	ARM
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	363091	02/14/25	02/17/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**250**		mg/L	4.0	1.6	1	363178	02/15/25	02/15/25	EPL

H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1229365	Batch:	363063
Matrix (Source ID):	Water (526198-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1229365 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	50.80	32.44	20.40	mg/L	90%		75-125	1
Magnesium	22.30	1.466	20.40	mg/L	102%		75-125	1
Potassium	26.22	2.631	24.00	mg/L	98%		75-125	1
Sodium	45.22	26.80	20.40	mg/L	90%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1229366	Batch:	363063
Matrix (Source ID):	Water (526198-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1229366 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	50.72	32.44	20.40	mg/L	90%		75-125	0	20	1
Magnesium	22.33	1.466	20.40	mg/L	102%		75-125	0	20	1
Potassium	26.18	2.631	24.00	mg/L	98%		75-125	0	20	1
Sodium	45.09	26.80	20.40	mg/L	90%		75-125	0	20	1

Type:	Blank	Lab ID:	QC1229367	Batch:	363063
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1229367 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	02/14/25	02/14/25
Magnesium	ND		mg/L	0.10	0.025	02/14/25	02/14/25
Potassium	ND		mg/L	0.50	0.40	02/14/25	02/14/25
Sodium	ND		mg/L	0.50	0.34	02/14/25	02/14/25

Type:	Lab Control Sample	Lab ID:	QC1229368	Batch:	363063
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1229368 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	20.10	20.40	mg/L	99%		85-115
Magnesium	20.31	20.40	mg/L	100%		85-115
Potassium	22.95	24.00	mg/L	96%		85-115
Sodium	19.74	20.40	mg/L	97%		85-115

Type:	Serial Dilution	Lab ID:	QC1229440	Batch:	363063
Matrix (Source ID):	Water (526166-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1229440 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	67.25	67.44	mg/L				5
Magnesium	5.297	5.339	mg/L				5
Potassium	21.95	22.67	mg/L				5
Sodium	65.87	65.62	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1229302	Batch: 363046
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 200.8

QC1229302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	6.9	02/14/25	02/20/25
Manganese	ND		ug/L	10	3.5	02/14/25	02/15/25

Type: Lab Control Sample	Lab ID: QC1229303	Batch: 363046
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 200.8

QC1229303 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	85.22	100.0	ug/L	85%		85-115
Manganese	100.4	100.0	ug/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1229304	Batch: 363046
Matrix (Source ID): Water (526257-013)	Method: EPA 200.8	Prep Method: EPA 200.8

QC1229304 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	816.5	775.3	100.0	ug/L	41%	NM	70-130	10
Manganese	116.9	18.27	100.0	ug/L	99%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1229305	Batch: 363046
Matrix (Source ID): Water (526257-013)	Method: EPA 200.8	Prep Method: EPA 200.8

QC1229305 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	784.6	775.3	100.0	ug/L	9%	NM	70-130	4	20	10
Manganese	111.5	18.27	100.0	ug/L	93%		70-130	5	20	1

Type: Matrix Spike	Lab ID: QC1229306	Batch: 363046
Matrix (Source ID): Water (526355-003)	Method: EPA 200.8	Prep Method: EPA 200.8

QC1229306 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	123.3	27.45	100.0	ug/L	96%		70-130	2
Manganese	111.9	8.390	100.0	ug/L	104%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1229307	Batch: 363046
Matrix (Source ID): Water (526355-003)	Method: EPA 200.8	Prep Method: EPA 200.8

QC1229307 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	118.3	27.45	100.0	ug/L	91%		70-130	4	20	2
Manganese	110.5	8.390	100.0	ug/L	102%		70-130	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1229156	**Batch:** 363006
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1229156 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.072	02/13/25 17:20	02/13/25 19:49
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/13/25 17:20	02/13/25 19:49
Bromide	ND		mg/L	0.30	0.060	02/13/25 17:20	02/13/25 19:49
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/13/25 17:20	02/13/25 19:49
Sulfate	ND		mg/L	1.0	0.25	02/13/25 17:20	02/13/25 19:49

Type: Lab Control Sample	**Lab ID:** QC1229157	**Batch:** 363006
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1229157 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.594	10.00	mg/L	96%		90-110
Nitrogen, Nitrite	4.537	4.567	mg/L	99%		90-110
Bromide	14.87	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.467	4.518	mg/L	99%		90-110
Sulfate	25.19	25.00	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC1229158	**Batch:** 363006
Matrix (Source ID): Water (526106-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1229158 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.40	0.1969	20.00	mg/L	96%		80-120	1
Nitrogen, Nitrite	9.032	ND	9.134	mg/L	99%		80-120	1
Bromide	14.74	0.1610	15.00	mg/L	97%		80-120	1
Nitrogen, Nitrate	9.566	0.7813	9.036	mg/L	97%		80-120	1
Sulfate	136.5	92.69	50.00	mg/L	88%	E	80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1229159	**Batch:** 363006
Matrix (Source ID): Water (526106-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1229159 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.55	0.1969	20.00	mg/L	97%		80-120	1	20	1
Nitrogen, Nitrite	9.096	ND	9.134	mg/L	100%		80-120	1	20	1
Bromide	14.79	0.1610	15.00	mg/L	98%		80-120	0	20	1
Nitrogen, Nitrate	9.652	0.7813	9.036	mg/L	98%		80-120	1	20	1
Sulfate	136.8	92.69	50.00	mg/L	88%	E	80-120		20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1233240**	**Batch:**	**364222**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1233240 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.72	50.00	ug/L	107%		70-135
MTBE	56.26	50.00	ug/L	113%		70-130
Benzene	55.48	50.00	ug/L	111%		70-130
Trichloroethene	47.85	50.00	ug/L	96%		70-130
Toluene	46.80	50.00	ug/L	94%		70-130
Chlorobenzene	46.56	50.00	ug/L	93%		70-130
Surrogates						
Dibromofluoromethane	49.96	50.00	ug/L	100%		70-130
1,2-Dichloroethane-d4	48.68	50.00	ug/L	97%		70-130
Toluene-d8	46.04	50.00	ug/L	92%		70-130
Bromofluorobenzene	50.84	50.00	ug/L	102%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1233241**	**Batch:**	**364222**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1233241 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.14	50.00	ug/L	106%		70-135	1	30
MTBE	56.30	50.00	ug/L	113%		70-130	0	30
Benzene	54.25	50.00	ug/L	109%		70-130	2	30
Trichloroethene	47.00	50.00	ug/L	94%		70-130	2	30
Toluene	45.58	50.00	ug/L	91%		70-130	3	30
Chlorobenzene	45.64	50.00	ug/L	91%		70-130	2	30
Surrogates								
Dibromofluoromethane	50.64	50.00	ug/L	101%		70-130		
1,2-Dichloroethane-d4	49.13	50.00	ug/L	98%		70-130		
Toluene-d8	45.75	50.00	ug/L	91%		70-130		
Bromofluorobenzene	50.41	50.00	ug/L	101%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1233242**	**Batch:**	**364222**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1233242 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	02/26/25	02/26/25
Freon 12	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Chloromethane	ND		ug/L	5.0	0.4	02/26/25	02/26/25
Vinyl Chloride	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Bromomethane	ND		ug/L	5.0	0.3	02/26/25	02/26/25
Chloroethane	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Acetone	ND		ug/L	100	16	02/26/25	02/26/25
Freon 113	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Methylene Chloride	ND		ug/L	5.0	1.4	02/26/25	02/26/25
MTBE	ND		ug/L	5.0	0.2	02/26/25	02/26/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	02/26/25	02/26/25
2-Butanone	ND		ug/L	100	3.1	02/26/25	02/26/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	02/26/25	02/26/25
Chloroform	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Bromochloromethane	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	02/26/25	02/26/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	02/26/25	02/26/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Benzene	ND		ug/L	5.0	0.09	02/26/25	02/26/25
Trichloroethene	ND		ug/L	5.0	0.2	02/26/25	02/26/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Bromodichloromethane	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Dibromomethane	ND		ug/L	5.0	0.09	02/26/25	02/26/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	02/26/25	02/26/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Toluene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/26/25	02/26/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Tetrachloroethene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	02/26/25	02/26/25
Chlorobenzene	ND		ug/L	5.0	0.09	02/26/25	02/26/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Ethylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
m,p-Xylenes	ND		ug/L	10	0.2	02/26/25	02/26/25
o-Xylene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Styrene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Bromoform	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Isopropylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/26/25	02/26/25

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Batch QC

QC1233242 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Bromobenzene	ND		ug/L	5.0	0.07	02/26/25	02/26/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
n-Butylbenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	02/26/25	02/26/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	02/26/25	02/26/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
Naphthalene	0.2	J	ug/L	5.0	0.1	02/26/25	02/26/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	02/26/25	02/26/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	02/26/25	02/26/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	02/26/25	02/26/25
Xylene (total)	ND		ug/L	5.0		02/26/25	02/26/25
Surrogates				**Limits**			
Dibromofluoromethane	110%		%REC	70-130		02/26/25	02/26/25
1,2-Dichloroethane-d4	109%		%REC	70-130		02/26/25	02/26/25
Toluene-d8	91%		%REC	70-130		02/26/25	02/26/25
Bromofluorobenzene	97%		%REC	70-130		02/26/25	02/26/25

Type: Matrix Spike **Lab ID:** QC1233321 **Batch:** 364222
Matrix (Source ID): Water (527394-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1233321 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,179	ND	1000	ug/L	118%		70-130	50
MTBE	1,194	ND	1000	ug/L	119%		75-130	50
Benzene	1,243	11.09	1000	ug/L	123%		70-130	50
Trichloroethene	1,095	ND	1000	ug/L	110%		63-130	50
Toluene	1,039	ND	1000	ug/L	104%		70-130	50
Chlorobenzene	1,047	ND	1000	ug/L	105%		70-130	50
Surrogates								
Dibromofluoromethane	2,517		2500	ug/L	101%		70-130	50
1,2-Dichloroethane-d4	2,469		2500	ug/L	99%		70-130	50
Toluene-d8	2,282		2500	ug/L	91%		70-130	50
Bromofluorobenzene	2,466		2500	ug/L	99%		70-130	50

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1233322	Batch:	364222
Matrix (Source ID):	Water (527394-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1233322 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	1,072	ND	1000	ug/L	107%		70-130	9	30	50
MTBE	1,094	ND	1000	ug/L	109%		75-130	9	30	50
Benzene	1,119	11.09	1000	ug/L	111%		70-130	11	30	50
Trichloroethene	971.1	ND	1000	ug/L	97%		63-130	12	30	50
Toluene	935.5	ND	1000	ug/L	94%		70-130	10	30	50
Chlorobenzene	954.6	ND	1000	ug/L	95%		70-130	9	30	50
Surrogates										
Dibromofluoromethane	2,499		2500	ug/L	100%		70-130			50
1,2-Dichloroethane-d4	2,432		2500	ug/L	97%		70-130			50
Toluene-d8	2,297		2500	ug/L	92%		70-130			50
Bromofluorobenzene	2,480		2500	ug/L	99%		70-130			50

Type:	Blank	Lab ID:	QC1230589	Batch:	363412
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1230589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	02/18/25	02/18/25
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		02/18/25	02/18/25

Type:	Lab Control Sample	Lab ID:	QC1230590	Batch:	363412
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1230590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.617	10.00	ug/L	86%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.06	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1230591	Batch:	363412
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1230591 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.824	10.00	ug/L	88%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.882	10.00	ug/L	99%		80-120		

Type:	Blank	Lab ID:	QC1231292	Batch:	363624
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1231292 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/20/25	02/20/25

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Batch QC

Type: Lab Control Sample **Lab ID:** QC1231293 **Batch:** 363624
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1231293 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1231294 **Batch:** 363624
Matrix (Source ID): Drinking Water (526290-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1231294 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1231821 **Batch:** 363624
Matrix (Source ID): Drinking Water (526290-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1231821 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	0	20	1

Type: Matrix Spike **Lab ID:** QC1230642 **Batch:** 363437
Matrix (Source ID): Water (525518-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1230642 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	35.28	6.811	25.00	mg/L	114%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1230643 **Batch:** 363437
Matrix (Source ID): Water (525518-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1230643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	35.28	6.811	25.00	mg/L	114%		75-125	0	25	1

Type: Blank **Lab ID:** QC1230644 **Batch:** 363437
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1230644 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	02/18/25	02/18/25

Type: Lab Control Sample **Lab ID:** QC1230645 **Batch:** 363437
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1230645 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.91	25.00	mg/L	100%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	Lab ID: QC1230087	Batch: 362949
Matrix (Source ID): Water (526160-002)	Method: SM2130B	

QC1230087 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	13.50	13.30	NTU		1	20	1

Type: Blank	Lab ID: QC1229797	Batch: 363189
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1229797 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		02/15/25	02/15/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		02/15/25	02/15/25

Type: Lab Control Sample	Lab ID: QC1229798	Batch: 363189
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1229798 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	923.4	1000	mg/L	92%		90-110

Type: Sample Duplicate	Lab ID: QC1229799	Batch: 363189
Matrix (Source ID): Water (525897-003)	Method: SM2320B	Prep Method: METHOD

QC1229799 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	266.7	262.3	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	218.6	215.0	mg/L		2	20	2.5

Type: Blank	Lab ID: QC1235006	Batch: 364786
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1235006 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		03/03/25	03/03/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/03/25	03/03/25

Type: Lab Control Sample	Lab ID: QC1235007	Batch: 364786
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1235007 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	919.8	1000	mg/L	92%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1235190	Batch:	364786
Matrix (Source ID):	Water (527513-001)	Method:	SM2320B	Prep Method:	METHOD

QC1235190 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	237.4	241.3	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	194.6	197.8	mg/L		2	20	2.5

Type:	Sample Duplicate	Lab ID:	QC1233833	Batch:	364423
Matrix (Source ID):	Drinking Water (526278-001)	Method:	SM2510B	Prep Method:	METHOD

QC1233833 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	5,233	5204	umhos/cm		1	20	1

Type:	Blank	Lab ID:	QC1229427	Batch:	363091
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1229427 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/14/25	02/17/25

Type:	Lab Control Sample	Lab ID:	QC1229428	Batch:	363091
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1229428 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,001	1000	mg/L	100%		90-110

Type:	Sample Duplicate	Lab ID:	QC1229430	Batch:	363091
Matrix (Source ID):	Water (526021-007)	Method:	SM2540C	Prep Method:	METHOD

QC1229430 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	4,572	4640	mg/L		1	5	4

Type:	Blank	Lab ID:	QC1229747	Batch:	363178
Matrix:	Water	Method:	SM5220D	Prep Method:	METHOD

QC1229747 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	02/15/25	02/15/25

Type:	Lab Control Sample	Lab ID:	QC1229748	Batch:	363178
Matrix:	Water	Method:	SM5220D	Prep Method:	METHOD

QC1229748 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	1,036	1000	mg/L	104%		90-110

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1229749**	**Batch:**	**363178**
Matrix (Source ID):	**Water (526267-003)**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC1229749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,658	624.0	1000	mg/L	103%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1229750**	**Batch:**	**363178**
Matrix (Source ID):	**Water (526267-003)**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC1229750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,644	624.0	1000	mg/L	102%		75-125	1	20	2

E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526326
Report Level : II
Report Date : 02/27/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	526326
Project No:	SW - APPENDIX II
Location:	SW - APPENDIX II
Date Received:	02/13/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	526326-001	02/13/25 09:00	Water
SOUTH BASIN - EASTERN INLET	526326-002	02/13/25 08:15	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 526326 Project No: SW - APPENDIX II Location: SW - APPENDIX II Date Received: 02/13/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for 1,1-dichloroethene and MTBE in the MS for batch 363202; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

- Low surrogate recovery was observed for 2-fluorophenol in SOUTH BASIN - EASTERN INLET (lab # 526326-002).
- Low surrogate recovery was observed for phenol-d6 in SOUTH BASIN - EASTERN INLET (lab # 526326-002).
- Low surrogate recovery was observed for 2,4,6-tribromophenol in SOUTH BASIN - EASTERN INLET (lab # 526326-002).
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- SOUTH BASIN - EASTERN INLET (lab # 526326-002) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- High recoveries were observed for many analytes in the BSD for batch 363184; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 200.8 and EPA 245.1):

- Low recoveries were observed for barium in the MS/MSD for batch 363046; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Total Phenolics (EPA 420.1):

No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):

No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

SWT Civil & Environmental ENGINEERING

Login 526326

FGL

526326

Chain of Custody

Pg 4 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: M Tuggle

Project Information

Project ID: Chiquita Canyon Landfill - Appendix II Parameters

Project Number:

TAT

Standard	Rush
10 Days ●	___ Days / Hours ○

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	Analysis Request: 8260 Appendix II*	8270 Appendix II*	8081-8082*	8141A*	8151A*	Metals, Total**	Total Cyanide	Total Phenols, Sulfides	8290 2378TCDD			Notes
SOUTH Basin- Western Inlet	2/13	0900	X	X	X			X	X	X	X		X			15	X	X	X	X	X	X	X	X	X			Field pH: 8.92
SOUTH Basin- Eastern Inlet	2/13	0815	X	X	X			X	X	X	X		X			15	X	X	X	X	X	X	X	X	X			Field pH: 9.17

Notes

Special Requirments/Billing Info:

*Report only the compounds on the 40CFR258 Appx II list
** Metals; Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn, V, Zn

Relinquished by	Received by	Date	Time
Matt Tuggle	MARTHA LINARES	2/13/25	1320
MARTHA LINARES		2/13/25	1512

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/13/25 WO# 526326 Client: Waste Connections Chiquita Canyon Landfill

Section 2: Shipping / Custody **Are custody seals present?** ■ **Yes** ☐ **No**

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?	✓		
13) Are VOA vials free from headspace/bubbles > 6mm?	✓		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 2/13/25 **By (print)** G. Kim **(sign)** _____

Date Labeled 2/13/25 **By (print)** Orange **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 526326

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526326
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 02/13/25

Sample ID: SOUTH BASIN - WESTERN INLET | **Lab ID:** 526326-001 | **Matrix:** Water | **Collected:** 02/13/25 09:00

526326-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 200.8										
Tin	ND		ug/L	5.0	0.59	1	363046	02/14/25	02/15/25	KAM
Antimony	ND		ug/L	2.0	0.53	1	363046	02/14/25	02/15/25	KAM
Arsenic	**15**		ug/L	2.0	0.18	1	363046	02/14/25	02/15/25	KAM
Barium	**1,000**		ug/L	100	23	20	363046	02/14/25	02/20/25	KAM
Beryllium	**3.6**	J	ug/L	20	2.6	20	363046	02/14/25	02/20/25	KAM
Cadmium	**1.2**		ug/L	1.0	0.55	1	363046	02/14/25	02/15/25	KAM
Chromium	**90**		ug/L	5.0	0.79	1	363046	02/14/25	02/15/25	KAM
Cobalt	**49**		ug/L	1.0	0.11	1	363046	02/14/25	02/15/25	KAM
Copper	**120**		ug/L	3.0	0.79	1	363046	02/14/25	02/15/25	KAM
Lead	**74**		ug/L	5.0	0.42	1	363046	02/14/25	02/15/25	KAM
Nickel	**94**		ug/L	5.0	0.67	1	363046	02/14/25	02/15/25	KAM
Selenium	**6.2**		ug/L	2.0	1.5	1	363046	02/14/25	02/20/25	KAM
Silver	**0.58**	J	ug/L	5.0	0.14	1	363046	02/14/25	02/20/25	KAM
Thallium	**0.61**	J	ug/L	1.0	0.18	1	363046	02/14/25	02/15/25	KAM
Vanadium	**130**		ug/L	5.0	0.56	1	363046	02/14/25	02/15/25	KAM
Zinc	**490**		ug/L	10	6.2	1	363046	02/14/25	02/15/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**0.36**	J	ug/L	0.40	0.17	1	363428	02/18/25	02/20/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.032**		mg/L	0.010	0.0047	1	363433	02/18/25	02/19/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.2	0.08	4	363184	02/15/25	02/17/25	MES
beta-BHC	ND		ug/L	0.2	0.08	4	363184	02/15/25	02/17/25	MES
gamma-BHC	ND		ug/L	0.2	0.07	4	363184	02/15/25	02/17/25	MES
delta-BHC	ND		ug/L	0.2	0.07	4	363184	02/15/25	02/17/25	MES
Heptachlor	ND		ug/L	0.2	0.05	4	363184	02/15/25	02/17/25	MES
Aldrin	ND		ug/L	0.2	0.08	4	363184	02/15/25	02/17/25	MES
Heptachlor epoxide	ND		ug/L	0.2	0.07	4	363184	02/15/25	02/17/25	MES
Endosulfan I	ND		ug/L	0.2	0.08	4	363184	02/15/25	02/17/25	MES
Dieldrin	ND		ug/L	0.4	0.05	4	363184	02/15/25	02/17/25	MES
4,4'-DDE	ND		ug/L	0.4	0.07	4	363184	02/15/25	02/17/25	MES
Endrin	ND		ug/L	0.4	0.06	4	363184	02/15/25	02/17/25	MES
Endosulfan II	ND		ug/L	0.4	0.09	4	363184	02/15/25	02/17/25	MES
Endosulfan sulfate	ND		ug/L	0.4	0.07	4	363184	02/15/25	02/17/25	MES
4,4'-DDD	ND		ug/L	0.4	0.1	4	363184	02/15/25	02/17/25	MES
Endrin aldehyde	ND		ug/L	0.4	0.1	4	363184	02/15/25	02/17/25	MES
Endrin ketone	ND		ug/L	0.4	0.1	4	363184	02/15/25	02/17/25	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/L	0.4	0.1	4	363184	02/15/25	02/17/25	MES
Methoxychlor	ND		ug/L	0.4	0.3	4	363184	02/15/25	02/17/25	MES
Toxaphene	ND		ug/L	8.0	3.3	4	363184	02/15/25	02/17/25	MES
Chlordane (Technical)	ND		ug/L	4.0	1.0	4	363184	02/15/25	02/17/25	MES
Surrogates				**Limits**						
TCMX	96%		%REC	14-120		4	363184	02/15/25	02/17/25	MES
Decachlorobiphenyl	90%		%REC	20-120		4	363184	02/15/25	02/17/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	2.0	1.5	4	363184	02/15/25	02/17/25	MES
Aroclor-1221	ND		ug/L	2.0	1.6	4	363184	02/15/25	02/17/25	MES
Aroclor-1232	ND		ug/L	2.0	1.4	4	363184	02/15/25	02/17/25	MES
Aroclor-1242	ND		ug/L	2.0	1.4	4	363184	02/15/25	02/17/25	MES
Aroclor-1248	ND		ug/L	2.0	1.4	4	363184	02/15/25	02/17/25	MES
Aroclor-1254	ND		ug/L	2.0	0.72	4	363184	02/15/25	02/17/25	MES
Aroclor-1260	ND		ug/L	2.0	1.8	4	363184	02/15/25	02/17/25	MES
Aroclor-1262	ND		ug/L	2.0	1.6	4	363184	02/15/25	02/17/25	MES
Aroclor-1268	ND		ug/L	2.0	1.0	4	363184	02/15/25	02/17/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	78%		%REC	18-126		4	363184	02/15/25	02/17/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	363202	02/16/25	02/16/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	363202	02/16/25	02/16/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	363202	02/16/25	02/16/25	ZST
Ethanol	ND		ug/L	500	320	1	363202	02/16/25	02/16/25	ZST
2-Hexanone	ND		ug/L	5.0	0.7	1	363202	02/16/25	02/16/25	ZST
Isopropanol (IPA)	ND		ug/L	200	73	1	363202	02/16/25	02/16/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	363202	02/16/25	02/16/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	363202	02/16/25	02/16/25	ZST
Acrolein	ND		ug/L	200	2.2	1	363202	02/16/25	02/16/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	363202	02/16/25	02/16/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Iodomethane	ND		ug/L	7.6		1	363202	02/16/25	02/16/25	ZST
Acetone	ND		ug/L	100	21	1	363202	02/16/25	02/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Methylene Chloride	ND		ug/L	10	2.4	1	363202	02/16/25	02/16/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
2-Butanone	**2.3**	J	ug/L	10	1.7	1	363202	02/16/25	02/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	363202	02/16/25	02/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	1.0	1	363202	02/16/25	02/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	363202	02/16/25	02/16/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	363202	02/16/25	02/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	363202	02/16/25	02/16/25	ZST
TIC:	ND					1	363202	02/16/25	02/16/25	ZST

Surrogates	Limits

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromofluoromethane	83%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST
1,2-Dichloroethane-d4	87%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST
Toluene-d8	99%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	2.0	0.84	4	363064	02/14/25	02/15/25	XLY
2-Methylnaphthalene	ND		ug/L	2.0	0.96	4	363064	02/14/25	02/15/25	XLY
Naphthalene	ND		ug/L	2.0	0.84	4	363064	02/14/25	02/15/25	XLY
Acenaphthylene	ND		ug/L	2.0	0.87	4	363064	02/14/25	02/15/25	XLY
Acenaphthene	ND		ug/L	2.0	0.78	4	363064	02/14/25	02/15/25	XLY
Fluorene	ND		ug/L	2.0	0.80	4	363064	02/14/25	02/15/25	XLY
Phenanthrene	ND		ug/L	2.0	0.73	4	363064	02/14/25	02/15/25	XLY
Anthracene	ND		ug/L	2.0	0.79	4	363064	02/14/25	02/15/25	XLY
Fluoranthene	ND		ug/L	2.0	0.76	4	363064	02/14/25	02/15/25	XLY
Pyrene	ND		ug/L	2.0	0.77	4	363064	02/14/25	02/15/25	XLY
Benzo(a)anthracene	ND		ug/L	2.0	0.58	4	363064	02/14/25	02/15/25	XLY
Chrysene	ND		ug/L	2.0	0.67	4	363064	02/14/25	02/15/25	XLY
Benzo(b)fluoranthene	ND		ug/L	2.0	0.62	4	363064	02/14/25	02/15/25	XLY
Benzo(k)fluoranthene	ND		ug/L	2.0	0.73	4	363064	02/14/25	02/15/25	XLY
Benzo(a)pyrene	ND		ug/L	2.0	0.70	4	363064	02/14/25	02/15/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	2.0	0.62	4	363064	02/14/25	02/15/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	2.0	0.70	4	363064	02/14/25	02/15/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	2.0	0.71	4	363064	02/14/25	02/15/25	XLY
Surrogates				**Limits**						
Nitrobenzene-d5	77%		%REC	16-125		4	363064	02/14/25	02/15/25	XLY
2-Fluorobiphenyl	76%		%REC	17-120		4	363064	02/14/25	02/15/25	XLY
Terphenyl-d14	101%		%REC	39-123		4	363064	02/14/25	02/15/25	XLY
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	40	9.2	4	363056	02/14/25	02/14/25	ZFA
Pyridine	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
N-Nitrosodimethylamine	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Phenol	ND		ug/L	40	14	4	363056	02/14/25	02/14/25	ZFA
Aniline	ND		ug/L	40	18	4	363056	02/14/25	02/14/25	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	100	12	4	363056	02/14/25	02/14/25	ZFA
2-Chlorophenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
1,3-Dichlorobenzene	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
1,4-Dichlorobenzene	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
Benzyl alcohol	ND		ug/L	40	23	4	363056	02/14/25	02/14/25	ZFA
1,2-Dichlorobenzene	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
2-Methylphenol	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
3-,4-Methylphenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
N-Nitroso-di-n-propylamine	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
Hexachloroethane	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
Nitrobenzene	ND		ug/L	100	25	4	363056	02/14/25	02/14/25	ZFA
Isophorone	ND		ug/L	40	7.5	4	363056	02/14/25	02/14/25	ZFA
2-Nitrophenol	ND		ug/L	40	22	4	363056	02/14/25	02/14/25	ZFA
2,4-Dimethylphenol	ND		ug/L	40	18	4	363056	02/14/25	02/14/25	ZFA
Benzoic acid	ND		ug/L	200	77	4	363056	02/14/25	02/14/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
bis(2-Chloroethoxy)methane	ND		ug/L	40	9.0	4	363056	02/14/25	02/14/25	ZFA
2,4-Dichlorophenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
Naphthalene	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
4-Chloroaniline	ND		ug/L	40	9.1	4	363056	02/14/25	02/14/25	ZFA
Hexachlorobutadiene	ND		ug/L	40	16	4	363056	02/14/25	02/14/25	ZFA
4-Chloro-3-methylphenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
2-Methylnaphthalene	ND		ug/L	40	9.7	4	363056	02/14/25	02/14/25	ZFA
Hexachlorocyclopentadiene	ND		ug/L	100	19	4	363056	02/14/25	02/14/25	ZFA
2,4,6-Trichlorophenol	ND		ug/L	40	8.9	4	363056	02/14/25	02/14/25	ZFA
2,4,5-Trichlorophenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
2-Chloronaphthalene	ND		ug/L	40	9.6	4	363056	02/14/25	02/14/25	ZFA
2-Nitroaniline	ND		ug/L	200	15	4	363056	02/14/25	02/14/25	ZFA
Dimethylphthalate	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
Acenaphthylene	ND		ug/L	40	8.9	4	363056	02/14/25	02/14/25	ZFA
2,6-Dinitrotoluene	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
3-Nitroaniline	ND		ug/L	40	7.4	4	363056	02/14/25	02/14/25	ZFA
Acenaphthene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
2,4-Dinitrophenol	ND		ug/L	200	14	4	363056	02/14/25	02/14/25	ZFA
4-Nitrophenol	ND		ug/L	40	5.9	4	363056	02/14/25	02/14/25	ZFA
Dibenzofuran	ND		ug/L	40	8.8	4	363056	02/14/25	02/14/25	ZFA
2,4-Dinitrotoluene	ND		ug/L	40	12	4	363056	02/14/25	02/14/25	ZFA
Diethylphthalate	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Fluorene	ND		ug/L	40	8.6	4	363056	02/14/25	02/14/25	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	40	9.7	4	363056	02/14/25	02/14/25	ZFA
4-Nitroaniline	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	200	13	4	363056	02/14/25	02/14/25	ZFA
N-Nitrosodiphenylamine	ND		ug/L	40	16	4	363056	02/14/25	02/14/25	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	40	9.3	4	363056	02/14/25	02/14/25	ZFA
4-Bromophenyl-phenylether	ND		ug/L	40	9.3	4	363056	02/14/25	02/14/25	ZFA
Hexachlorobenzene	ND		ug/L	40	9.8	4	363056	02/14/25	02/14/25	ZFA
Pentachlorophenol	ND		ug/L	100	10	4	363056	02/14/25	02/14/25	ZFA
Phenanthrene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
Anthracene	ND		ug/L	40	8.6	4	363056	02/14/25	02/14/25	ZFA
Di-n-butylphthalate	ND		ug/L	40	9.7	4	363056	02/14/25	02/14/25	ZFA
Fluoranthene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
Benzidine	ND		ug/L	200	62	4	363056	02/14/25	02/14/25	ZFA
Pyrene	ND		ug/L	40	9.6	4	363056	02/14/25	02/14/25	ZFA
Butylbenzylphthalate	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	100	12	4	363056	02/14/25	02/14/25	ZFA
Benzo(a)anthracene	ND		ug/L	40	8.5	4	363056	02/14/25	02/14/25	ZFA
Chrysene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
bis(2-Ethylhexyl)phthalate	**13**	J	ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Di-n-octylphthalate	ND		ug/L	40	19	4	363056	02/14/25	02/14/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	40	9.4	4	363056	02/14/25	02/14/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	40	9.5	4	363056	02/14/25	02/14/25	ZFA
Benzo(a)pyrene	ND		ug/L	40	8.7	4	363056	02/14/25	02/14/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	40	22	4	363056	02/14/25	02/14/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	40	30	4	363056	02/14/25	02/14/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	40	14	4	363056	02/14/25	02/14/25	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:3,3'-Dimethylbenzidine	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Acetophenone	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Chlorobenzilate	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Diallate	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Thionazin	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	64%		%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
Phenol-d6	52%		%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
2,4,6-Tribromophenol	82%		%REC	12-140		4	363056	02/14/25	02/14/25	ZFA
Nitrobenzene-d5	64%		%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
2-Fluorobiphenyl	61%		%REC	11-140		4	363056	02/14/25	02/14/25	ZFA
Terphenyl-d14	67%		%REC	20-140		4	363056	02/14/25	02/14/25	ZFA
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	363408	02/18/25	02/18/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

Sample ID:	Lab ID: 526326-002	Collected: 02/13/25 08:15
SOUTH BASIN - EASTERN INLET	Matrix: Water	

526326-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 200.8										
Tin	ND		ug/L	5.0	0.59	1	363046	02/14/25	02/15/25	KAM
Antimony	**1.5**	J	ug/L	2.0	0.53	1	363046	02/14/25	02/15/25	KAM
Arsenic	**35**		ug/L	2.0	0.18	1	363046	02/14/25	02/15/25	KAM
Barium	**1,700**		ug/L	100	23	20	363046	02/14/25	02/20/25	KAM
Beryllium	**4.5**	J	ug/L	20	2.6	20	363046	02/14/25	02/20/25	KAM
Cadmium	**3.1**		ug/L	1.0	0.55	1	363046	02/14/25	02/15/25	KAM
Chromium	**130**		ug/L	5.0	0.79	1	363046	02/14/25	02/15/25	KAM
Cobalt	**65**		ug/L	1.0	0.11	1	363046	02/14/25	02/15/25	KAM
Copper	**200**		ug/L	3.0	0.79	1	363046	02/14/25	02/15/25	KAM
Lead	**140**		ug/L	5.0	0.42	1	363046	02/14/25	02/15/25	KAM
Nickel	**130**		ug/L	5.0	0.67	1	363046	02/14/25	02/15/25	KAM
Selenium	**12**		ug/L	2.0	1.5	1	363046	02/14/25	02/15/25	KAM
Silver	**0.93**	J	ug/L	5.0	0.14	1	363046	02/14/25	02/20/25	KAM
Thallium	**0.85**	J	ug/L	1.0	0.18	1	363046	02/14/25	02/15/25	KAM
Vanadium	**190**		ug/L	5.0	0.56	1	363046	02/14/25	02/15/25	KAM
Zinc	**890**		ug/L	200	120	20	363046	02/14/25	02/20/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**0.76**		ug/L	0.40	0.17	1	363428	02/18/25	02/20/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.017**		mg/L	0.010	0.0047	1	363433	02/18/25	02/19/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.1	0.04	2	363184	02/15/25	02/17/25	MES
beta-BHC	ND		ug/L	0.1	0.04	2	363184	02/15/25	02/17/25	MES
gamma-BHC	ND		ug/L	0.1	0.03	2	363184	02/15/25	02/17/25	MES
delta-BHC	ND		ug/L	0.1	0.03	2	363184	02/15/25	02/17/25	MES
Heptachlor	ND		ug/L	0.1	0.02	2	363184	02/15/25	02/17/25	MES
Aldrin	ND		ug/L	0.1	0.04	2	363184	02/15/25	02/17/25	MES
Heptachlor epoxide	ND		ug/L	0.1	0.04	2	363184	02/15/25	02/17/25	MES
Endosulfan I	ND		ug/L	0.1	0.04	2	363184	02/15/25	02/17/25	MES
Dieldrin	ND		ug/L	0.2	0.03	2	363184	02/15/25	02/17/25	MES
4,4'-DDE	ND		ug/L	0.2	0.03	2	363184	02/15/25	02/17/25	MES
Endrin	ND		ug/L	0.2	0.03	2	363184	02/15/25	02/17/25	MES
Endosulfan II	ND		ug/L	0.2	0.04	2	363184	02/15/25	02/17/25	MES
Endosulfan sulfate	ND		ug/L	0.2	0.04	2	363184	02/15/25	02/17/25	MES
4,4'-DDD	ND		ug/L	0.2	0.05	2	363184	02/15/25	02/17/25	MES
Endrin aldehyde	ND		ug/L	0.2	0.05	2	363184	02/15/25	02/17/25	MES
Endrin ketone	ND		ug/L	0.2	0.05	2	363184	02/15/25	02/17/25	MES
4,4'-DDT	ND		ug/L	0.2	0.07	2	363184	02/15/25	02/17/25	MES
Methoxychlor	ND		ug/L	0.2	0.1	2	363184	02/15/25	02/17/25	MES
Toxaphene	ND		ug/L	4.0	1.6	2	363184	02/15/25	02/17/25	MES
Chlordane (Technical)	ND		ug/L	2.0	0.5	2	363184	02/15/25	02/17/25	MES
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	102%		%REC	14-120		2	363184	02/15/25	02/17/25	MES
Decachlorobiphenyl	97%		%REC	20-120		2	363184	02/15/25	02/17/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	1.0	0.74	2	363184	02/15/25	02/17/25	MES
Aroclor-1221	ND		ug/L	1.0	0.82	2	363184	02/15/25	02/17/25	MES
Aroclor-1232	ND		ug/L	1.0	0.72	2	363184	02/15/25	02/17/25	MES
Aroclor-1242	ND		ug/L	1.0	0.69	2	363184	02/15/25	02/17/25	MES
Aroclor-1248	ND		ug/L	1.0	0.69	2	363184	02/15/25	02/17/25	MES
Aroclor-1254	ND		ug/L	1.0	0.36	2	363184	02/15/25	02/17/25	MES
Aroclor-1260	ND		ug/L	1.0	0.90	2	363184	02/15/25	02/17/25	MES
Aroclor-1262	ND		ug/L	1.0	0.79	2	363184	02/15/25	02/17/25	MES
Aroclor-1268	ND		ug/L	1.0	0.50	2	363184	02/15/25	02/17/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	84%		%REC	18-126		2	363184	02/15/25	02/17/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	363202	02/16/25	02/16/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	363202	02/16/25	02/16/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	363202	02/16/25	02/16/25	ZST
Ethanol	ND		ug/L	500	320	1	363202	02/16/25	02/16/25	ZST
2-Hexanone	ND		ug/L	5.0	0.7	1	363202	02/16/25	02/16/25	ZST
Isopropanol (IPA)	ND		ug/L	200	73	1	363202	02/16/25	02/16/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	363202	02/16/25	02/16/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	363202	02/16/25	02/16/25	ZST
Acrolein	ND		ug/L	200	2.2	1	363202	02/16/25	02/16/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	363202	02/16/25	02/16/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Iodomethane	ND		ug/L	7.6		1	363202	02/16/25	02/16/25	ZST
Acetone	ND		ug/L	100	21	1	363202	02/16/25	02/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Methylene Chloride	ND		ug/L	10	2.4	1	363202	02/16/25	02/16/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
2-Butanone	**2.0**	J	ug/L	10	1.7	1	363202	02/16/25	02/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	1.0	0.1	1	363202	02/16/25	02/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	363202	02/16/25	02/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	1.0	1	363202	02/16/25	02/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	363202	02/16/25	02/16/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	363202	02/16/25	02/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	363202	02/16/25	02/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	363202	02/16/25	02/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	363202	02/16/25	02/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	363202	02/16/25	02/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	363202	02/16/25	02/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	363202	02/16/25	02/16/25	ZST
TIC:	ND					1	363202	02/16/25	02/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	83%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST
1,2-Dichloroethane-d4	86%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST
Toluene-d8	98%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	363202	02/16/25	02/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	2.5	1.1	5.1	363064	02/14/25	02/15/25	XLY
2-Methylnaphthalene	ND		ug/L	2.5	1.2	5.1	363064	02/14/25	02/15/25	XLY
Naphthalene	ND		ug/L	2.5	1.1	5.1	363064	02/14/25	02/15/25	XLY
Acenaphthylene	ND		ug/L	2.5	1.1	5.1	363064	02/14/25	02/15/25	XLY
Acenaphthene	ND		ug/L	2.5	0.99	5.1	363064	02/14/25	02/15/25	XLY
Fluorene	ND		ug/L	2.5	1.0	5.1	363064	02/14/25	02/15/25	XLY
Phenanthrene	ND		ug/L	2.5	0.92	5.1	363064	02/14/25	02/15/25	XLY
Anthracene	ND		ug/L	2.5	1.0	5.1	363064	02/14/25	02/15/25	XLY
Fluoranthene	ND		ug/L	2.5	0.95	5.1	363064	02/14/25	02/15/25	XLY
Pyrene	ND		ug/L	2.5	0.98	5.1	363064	02/14/25	02/15/25	XLY
Benzo(a)anthracene	ND		ug/L	2.5	0.74	5.1	363064	02/14/25	02/15/25	XLY
Chrysene	ND		ug/L	2.5	0.85	5.1	363064	02/14/25	02/15/25	XLY
Benzo(b)fluoranthene	ND		ug/L	2.5	0.78	5.1	363064	02/14/25	02/15/25	XLY
Benzo(k)fluoranthene	ND		ug/L	2.5	0.92	5.1	363064	02/14/25	02/15/25	XLY
Benzo(a)pyrene	ND		ug/L	2.5	0.88	5.1	363064	02/14/25	02/15/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	2.5	0.78	5.1	363064	02/14/25	02/15/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	2.5	0.88	5.1	363064	02/14/25	02/15/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	2.5	0.90	5.1	363064	02/14/25	02/15/25	XLY
Surrogates				**Limits**						
Nitrobenzene-d5	79%		%REC	16-125		5.1	363064	02/14/25	02/15/25	XLY
2-Fluorobiphenyl	80%		%REC	17-120		5.1	363064	02/14/25	02/15/25	XLY
Terphenyl-d14	93%		%REC	39-123		5.1	363064	02/14/25	02/15/25	XLY
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	40	9.2	4	363056	02/14/25	02/14/25	ZFA
Pyridine	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
N-Nitrosodimethylamine	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Phenol	ND		ug/L	40	14	4	363056	02/14/25	02/14/25	ZFA
Aniline	ND		ug/L	40	18	4	363056	02/14/25	02/14/25	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	100	12	4	363056	02/14/25	02/14/25	ZFA
2-Chlorophenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
1,3-Dichlorobenzene	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
1,4-Dichlorobenzene	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
Benzyl alcohol	ND		ug/L	40	23	4	363056	02/14/25	02/14/25	ZFA
1,2-Dichlorobenzene	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
2-Methylphenol	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
3-,4-Methylphenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
N-Nitroso-di-n-propylamine	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
Hexachloroethane	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
Nitrobenzene	ND		ug/L	100	25	4	363056	02/14/25	02/14/25	ZFA
Isophorone	ND		ug/L	40	7.5	4	363056	02/14/25	02/14/25	ZFA
2-Nitrophenol	ND		ug/L	40	22	4	363056	02/14/25	02/14/25	ZFA
2,4-Dimethylphenol	ND		ug/L	40	18	4	363056	02/14/25	02/14/25	ZFA
Benzoic acid	ND		ug/L	200	77	4	363056	02/14/25	02/14/25	ZFA
bis(2-Chloroethoxy)methane	ND		ug/L	40	9.0	4	363056	02/14/25	02/14/25	ZFA
2,4-Dichlorophenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
Naphthalene	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Chloroaniline	ND		ug/L	40	9.1	4	363056	02/14/25	02/14/25	ZFA
Hexachlorobutadiene	ND		ug/L	40	16	4	363056	02/14/25	02/14/25	ZFA
4-Chloro-3-methylphenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
2-Methylnaphthalene	ND		ug/L	40	9.7	4	363056	02/14/25	02/14/25	ZFA
Hexachlorocyclopentadiene	ND		ug/L	100	19	4	363056	02/14/25	02/14/25	ZFA
2,4,6-Trichlorophenol	ND		ug/L	40	8.9	4	363056	02/14/25	02/14/25	ZFA
2,4,5-Trichlorophenol	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
2-Chloronaphthalene	ND		ug/L	40	9.6	4	363056	02/14/25	02/14/25	ZFA
2-Nitroaniline	ND		ug/L	200	15	4	363056	02/14/25	02/14/25	ZFA
Dimethylphthalate	ND		ug/L	40	13	4	363056	02/14/25	02/14/25	ZFA
Acenaphthylene	ND		ug/L	40	8.9	4	363056	02/14/25	02/14/25	ZFA
2,6-Dinitrotoluene	ND		ug/L	40	15	4	363056	02/14/25	02/14/25	ZFA
3-Nitroaniline	ND		ug/L	40	7.4	4	363056	02/14/25	02/14/25	ZFA
Acenaphthene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
2,4-Dinitrophenol	ND		ug/L	200	14	4	363056	02/14/25	02/14/25	ZFA
4-Nitrophenol	ND		ug/L	40	5.9	4	363056	02/14/25	02/14/25	ZFA
Dibenzofuran	ND		ug/L	40	8.8	4	363056	02/14/25	02/14/25	ZFA
2,4-Dinitrotoluene	ND		ug/L	40	12	4	363056	02/14/25	02/14/25	ZFA
Diethylphthalate	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Fluorene	ND		ug/L	40	8.6	4	363056	02/14/25	02/14/25	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	40	9.7	4	363056	02/14/25	02/14/25	ZFA
4-Nitroaniline	ND		ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	200	13	4	363056	02/14/25	02/14/25	ZFA
N-Nitrosodiphenylamine	ND		ug/L	40	16	4	363056	02/14/25	02/14/25	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	40	9.3	4	363056	02/14/25	02/14/25	ZFA
4-Bromophenyl-phenylether	ND		ug/L	40	9.3	4	363056	02/14/25	02/14/25	ZFA
Hexachlorobenzene	ND		ug/L	40	9.8	4	363056	02/14/25	02/14/25	ZFA
Pentachlorophenol	ND		ug/L	100	10	4	363056	02/14/25	02/14/25	ZFA
Phenanthrene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
Anthracene	ND		ug/L	40	8.6	4	363056	02/14/25	02/14/25	ZFA
Di-n-butylphthalate	ND		ug/L	40	9.7	4	363056	02/14/25	02/14/25	ZFA
Fluoranthene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
Benzidine	ND		ug/L	200	62	4	363056	02/14/25	02/14/25	ZFA
Pyrene	ND		ug/L	40	9.6	4	363056	02/14/25	02/14/25	ZFA
Butylbenzylphthalate	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	100	12	4	363056	02/14/25	02/14/25	ZFA
Benzo(a)anthracene	ND		ug/L	40	8.5	4	363056	02/14/25	02/14/25	ZFA
Chrysene	ND		ug/L	40	10	4	363056	02/14/25	02/14/25	ZFA
bis(2-Ethylhexyl)phthalate	**12**	J	ug/L	40	11	4	363056	02/14/25	02/14/25	ZFA
Di-n-octylphthalate	ND		ug/L	40	19	4	363056	02/14/25	02/14/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	40	9.4	4	363056	02/14/25	02/14/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	40	9.5	4	363056	02/14/25	02/14/25	ZFA
Benzo(a)pyrene	ND		ug/L	40	8.7	4	363056	02/14/25	02/14/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	40	22	4	363056	02/14/25	02/14/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	40	30	4	363056	02/14/25	02/14/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	40	14	4	363056	02/14/25	02/14/25	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:3,3'-Dimethylbenzidine	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Acetophenone	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 526326

526326-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Chlorobenzilate	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Diallate	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:Thionazin	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			4	363056	02/14/25	02/14/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	1%	*	%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
Phenol-d6	1%	*	%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
2,4,6-Tribromophenol	5%	*	%REC	12-140		4	363056	02/14/25	02/14/25	ZFA
Nitrobenzene-d5	29%		%REC	10-140		4	363056	02/14/25	02/14/25	ZFA
2-Fluorobiphenyl	29%		%REC	11-140		4	363056	02/14/25	02/14/25	ZFA
Terphenyl-d14	31%		%REC	20-140		4	363056	02/14/25	02/14/25	ZFA
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	363408	02/18/25	02/18/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	363624	02/20/25	02/20/25	EPL

* Value is outside QC limits
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1229302**	**Batch:**	**363046**
Matrix:	**Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 200.8**

QC1229302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	ND		ug/L	5.0	0.59	02/14/25	02/15/25
Antimony	ND		ug/L	2.0	0.53	02/14/25	02/15/25
Arsenic	ND		ug/L	2.0	0.18	02/14/25	02/15/25
Barium	ND		ug/L	5.0	1.2	02/14/25	02/15/25
Beryllium	ND		ug/L	1.0	0.23	02/14/25	02/20/25
Cadmium	ND		ug/L	1.0	0.55	02/14/25	02/15/25
Chromium	ND		ug/L	5.0	0.79	02/14/25	02/15/25
Cobalt	ND		ug/L	1.0	0.11	02/14/25	02/15/25
Copper	ND		ug/L	3.0	0.79	02/14/25	02/15/25
Lead	ND		ug/L	5.0	0.42	02/14/25	02/15/25
Nickel	ND		ug/L	5.0	0.67	02/14/25	02/15/25
Selenium	ND		ug/L	2.0	1.5	02/14/25	02/15/25
Silver	ND		ug/L	5.0	0.17	02/14/25	02/20/25
Thallium	ND		ug/L	1.0	0.18	02/14/25	02/15/25
Vanadium	ND		ug/L	5.0	0.56	02/14/25	02/15/25
Zinc	ND		ug/L	10	6.2	02/14/25	02/15/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229303**	**Batch:**	**363046**
Matrix:	**Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 200.8**

QC1229303 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	105.5	100.0	ug/L	105%		85-115
Antimony	103.3	100.0	ug/L	103%		85-115
Arsenic	96.81	100.0	ug/L	97%		85-115
Barium	88.55	100.0	ug/L	89%		85-115
Beryllium	98.40	100.0	ug/L	98%		85-115
Cadmium	89.88	100.0	ug/L	90%		85-115
Chromium	103.2	100.0	ug/L	103%		85-115
Cobalt	113.7	100.0	ug/L	114%		85-115
Copper	108.9	100.0	ug/L	109%		85-115
Lead	93.93	100.0	ug/L	94%		85-115
Nickel	107.5	100.0	ug/L	108%		85-115
Selenium	92.12	100.0	ug/L	92%		85-115
Silver	52.44	50.00	ug/L	105%		85-115
Thallium	101.1	100.0	ug/L	101%		85-115
Vanadium	102.0	100.0	ug/L	102%		85-115
Zinc	100.5	100.0	ug/L	100%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1229304	Batch:	363046
Matrix (Source ID):	Water (526257-013)	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC1229304 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	141.5	49.46	100.0	ug/L	92%		70-130	10
Antimony	111.2	1.434	100.0	ug/L	110%		70-130	1
Arsenic	115.7	15.45	100.0	ug/L	100%		70-130	1
Barium	278.0	212.4	100.0	ug/L	66%	*	70-130	1
Beryllium	93.88	ND	100.0	ug/L	94%		70-130	10
Cadmium	89.35	ND	100.0	ug/L	89%		70-130	1
Chromium	102.1	1.473	100.0	ug/L	101%		70-130	1
Cobalt	111.0	1.640	100.0	ug/L	109%		70-130	10
Copper	119.7	16.07	100.0	ug/L	104%		70-130	1
Lead	97.71	ND	100.0	ug/L	98%		70-130	1
Nickel	103.5	3.274	100.0	ug/L	100%		70-130	1
Selenium	136.2	44.72	100.0	ug/L	92%		70-130	1
Silver	48.33	ND	50.00	ug/L	97%		70-130	10
Thallium	101.6	ND	100.0	ug/L	102%		70-130	1
Vanadium	137.6	34.05	100.0	ug/L	104%		70-130	1
Zinc	410.9	304.8	100.0	ug/L	106%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1229305	Batch:	363046
Matrix (Source ID):	Water (526257-013)	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC1229305 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	143.4	49.46	100.0	ug/L	94%		70-130	1	20	10
Antimony	103.7	1.434	100.0	ug/L	102%		70-130	7	20	1
Arsenic	106.8	15.45	100.0	ug/L	91%		70-130	8	20	1
Barium	257.8	212.4	100.0	ug/L	45%	*	70-130	8	20	1
Beryllium	102.9	ND	100.0	ug/L	103%		70-130	9	20	10
Cadmium	83.18	ND	100.0	ug/L	83%		70-130	7	20	1
Chromium	97.84	1.473	100.0	ug/L	96%		70-130	4	20	1
Cobalt	111.2	1.640	100.0	ug/L	110%		70-130	0	20	10
Copper	114.0	16.07	100.0	ug/L	98%		70-130	5	20	1
Lead	91.02	ND	100.0	ug/L	91%		70-130	7	20	1
Nickel	98.57	3.274	100.0	ug/L	95%		70-130	5	20	1
Selenium	126.2	44.72	100.0	ug/L	81%		70-130	8	20	1
Silver	50.74	ND	50.00	ug/L	101%		70-130	5	20	10
Thallium	96.86	ND	100.0	ug/L	97%		70-130	5	20	1
Vanadium	130.9	34.05	100.0	ug/L	97%		70-130	5	20	1
Zinc	379.8	304.8	100.0	ug/L	75%		70-130	8	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1229306	Batch:	363046
Matrix (Source ID):	Water (526355-003)	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC1229306 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	105.3	ND	100.0	ug/L	105%		70-130	1
Antimony	112.0	3.155	100.0	ug/L	109%		70-130	1
Arsenic	95.57	0.4997	100.0	ug/L	95%		70-130	1
Barium	103.1	9.235	100.0	ug/L	94%		70-130	1
Beryllium	103.7	ND	100.0	ug/L	104%		70-130	1
Cadmium	92.72	ND	100.0	ug/L	93%		70-130	1
Chromium	108.3	1.083	100.0	ug/L	107%		70-130	1
Cobalt	116.4	0.3125	100.0	ug/L	116%		70-130	1
Copper	122.6	9.073	100.0	ug/L	113%		70-130	1
Lead	107.4	14.02	100.0	ug/L	93%		70-130	1
Nickel	114.6	1.294	100.0	ug/L	113%		70-130	1
Selenium	88.49	ND	100.0	ug/L	88%		70-130	1
Silver	54.72	ND	50.00	ug/L	109%		70-130	1
Thallium	97.63	ND	100.0	ug/L	98%		70-130	1
Vanadium	106.1	0.7938	100.0	ug/L	105%		70-130	1
Zinc	337.9	244.3	100.0	ug/L	94%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1229307	Batch:	363046
Matrix (Source ID):	Water (526355-003)	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC1229307 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	104.2	ND	100.0	ug/L	104%		70-130	1	20	1
Antimony	115.5	3.155	100.0	ug/L	112%		70-130	3	20	1
Arsenic	97.80	0.4997	100.0	ug/L	97%		70-130	2	20	1
Barium	105.8	9.235	100.0	ug/L	97%		70-130	3	20	1
Beryllium	102.1	ND	100.0	ug/L	102%		70-130	2	20	1
Cadmium	94.67	ND	100.0	ug/L	95%		70-130	2	20	1
Chromium	109.3	1.083	100.0	ug/L	108%		70-130	1	20	1
Cobalt	114.8	0.3125	100.0	ug/L	114%		70-130	1	20	1
Copper	120.7	9.073	100.0	ug/L	112%		70-130	2	20	1
Lead	109.0	14.02	100.0	ug/L	95%		70-130	1	20	1
Nickel	114.2	1.294	100.0	ug/L	113%		70-130	0	20	1
Selenium	90.23	ND	100.0	ug/L	90%		70-130	2	20	1
Silver	52.92	ND	50.00	ug/L	106%		70-130	3	20	1
Thallium	94.01	ND	100.0	ug/L	94%		70-130	4	20	1
Vanadium	106.5	0.7938	100.0	ug/L	106%		70-130	0	20	1
Zinc	346.0	244.3	100.0	ug/L	102%		70-130	2	20	1

Type:	Blank	Lab ID:	QC1230634	Batch:	363428
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1230634 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	02/18/25	02/19/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1230635	Batch: 363428
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1230635 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.004	5.000	ug/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1230680	Batch: 363428
Matrix (Source ID): Water (526138-006)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1230680 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.072	ND	5.000	ug/L	101%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1230681	Batch: 363428
Matrix (Source ID): Water (526138-006)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1230681 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.843	ND	5.000	ug/L	97%		75-125	5	20	1

Type: Matrix Spike	Lab ID: QC1230682	Batch: 363428
Matrix (Source ID): Water (526651-002)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1230682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.703	ND	5.000	ug/L	94%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1230683	Batch: 363428
Matrix (Source ID): Water (526651-002)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1230683 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.651	ND	5.000	ug/L	93%		75-125	1	20	1

Type: Blank	Lab ID: QC1231107	Batch: 363433
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1231107 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	02/19/25	02/19/25

Type: Lab Control Sample	Lab ID: QC1231108	Batch: 363433
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1231108 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.09000	0.08000	mg/L	113%		80-120

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1231109**	**Batch:**	**363433**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1231109 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.08400	0.08000	mg/L	105%		80-120	7	20

Type:	**Blank**	**Lab ID:**	**QC1229763**	**Batch:**	**363184**
Matrix:	**Water**				

QC1229763 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	02/15/25	02/17/25
beta-BHC	ND		ug/L	0.05	0.02	02/15/25	02/17/25
gamma-BHC	ND		ug/L	0.05	0.02	02/15/25	02/17/25
delta-BHC	ND		ug/L	0.05	0.02	02/15/25	02/17/25
Heptachlor	ND		ug/L	0.05	0.01	02/15/25	02/17/25
Aldrin	ND		ug/L	0.05	0.02	02/15/25	02/17/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	02/15/25	02/17/25
Endosulfan I	ND		ug/L	0.05	0.02	02/15/25	02/17/25
Dieldrin	ND		ug/L	0.1	0.01	02/15/25	02/17/25
4,4'-DDE	ND		ug/L	0.1	0.02	02/15/25	02/17/25
Endrin	ND		ug/L	0.1	0.02	02/15/25	02/17/25
Endosulfan II	ND		ug/L	0.1	0.02	02/15/25	02/17/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	02/15/25	02/17/25
4,4'-DDD	ND		ug/L	0.1	0.02	02/15/25	02/17/25
Endrin aldehyde	ND		ug/L	0.1	0.03	02/15/25	02/17/25
Endrin ketone	ND		ug/L	0.1	0.03	02/15/25	02/17/25
4,4'-DDT	ND		ug/L	0.1	0.04	02/15/25	02/17/25
Methoxychlor	ND		ug/L	0.1	0.06	02/15/25	02/17/25
Toxaphene	ND		ug/L	2.0	0.8	02/15/25	02/17/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	02/15/25	02/17/25
Surrogates				**Limits**			
TCMX	89%		%REC	14-120		02/15/25	02/17/25
Decachlorobiphenyl	115%		%REC	20-120		02/15/25	02/17/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	02/15/25	02/17/25
Aroclor-1221	ND		ug/L	0.50	0.41	02/15/25	02/17/25
Aroclor-1232	ND		ug/L	0.50	0.36	02/15/25	02/17/25
Aroclor-1242	ND		ug/L	0.50	0.35	02/15/25	02/17/25
Aroclor-1248	ND		ug/L	0.50	0.34	02/15/25	02/17/25
Aroclor-1254	ND		ug/L	0.50	0.18	02/15/25	02/17/25
Aroclor-1260	ND		ug/L	0.50	0.45	02/15/25	02/17/25
Aroclor-1262	ND		ug/L	0.50	0.39	02/15/25	02/17/25
Aroclor-1268	ND		ug/L	0.50	0.25	02/15/25	02/17/25
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	100%		%REC	18-126		02/15/25	02/17/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229764**	**Batch:**	**363184**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1229764 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5478	0.5000	ug/L	110%		53-120
beta-BHC	0.5610	0.5000	ug/L	112%		59-120
gamma-BHC	0.5616	0.5000	ug/L	112%		54-120
delta-BHC	0.5920	0.5000	ug/L	118%		58-120
Heptachlor	0.4989	0.5000	ug/L	100%		49-120
Aldrin	0.4777	0.5000	ug/L	96%		47-120
Heptachlor epoxide	0.5167	0.5000	ug/L	103%		53-120
Endosulfan I	0.5371	0.5000	ug/L	107%		56-120
Dieldrin	0.5202	0.5000	ug/L	104%		55-120
4,4'-DDE	0.5723	0.5000	ug/L	114%		55-120
Endrin	0.5598	0.5000	ug/L	112%		57-120
Endosulfan II	0.5522	0.5000	ug/L	110%		58-120
Endosulfan sulfate	0.5515	0.5000	ug/L	110%		56-120
4,4'-DDD	0.5420	0.5000	ug/L	108%		53-120
Endrin aldehyde	0.5106	0.5000	ug/L	102%		45-120
Endrin ketone	0.5746	0.5000	ug/L	115%		61-120
4,4'-DDT	0.5573	0.5000	ug/L	111%		58-120
Methoxychlor	0.5842	0.5000	ug/L	117%		54-120
Surrogates						
TCMX	0.4189	0.5000	ug/L	84%		14-120
Decachlorobiphenyl	0.5069	0.5000	ug/L	101%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1229765	Batch:	363184
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1229765 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.6204	0.5000	ug/L	124%	*	53-120	12	20
beta-BHC	0.6110	0.5000	ug/L	122%	*	59-120	9	20
gamma-BHC	0.6308	0.5000	ug/L	126%	*	54-120	12	20
delta-BHC	0.6566	0.5000	ug/L	131%	*	58-120	10	20
Heptachlor	0.5699	0.5000	ug/L	114%		49-120	13	20
Aldrin	0.5498	0.5000	ug/L	110%		47-120	14	20
Heptachlor epoxide	0.5785	0.5000	ug/L	116%		53-120	11	20
Endosulfan I	0.6253	0.5000	ug/L	125%	*	56-120	15	20
Dieldrin	0.5887	0.5000	ug/L	118%		55-120	12	20
4,4'-DDE	0.6549	0.5000	ug/L	131%	*	55-120	13	20
Endrin	0.6273	0.5000	ug/L	125%	*	57-120	11	20
Endosulfan II	0.6134	0.5000	ug/L	123%	*	58-120	10	20
Endosulfan sulfate	0.6119	0.5000	ug/L	122%	*	56-120	10	20
4,4'-DDD	0.6099	0.5000	ug/L	122%	*	53-120	12	20
Endrin aldehyde	0.5649	0.5000	ug/L	113%		45-120	10	20
Endrin ketone	0.6398	0.5000	ug/L	128%	*	61-120	11	20
4,4'-DDT	0.6309	0.5000	ug/L	126%	*	58-120	12	20
Methoxychlor	0.6645	0.5000	ug/L	133%	*	54-120	13	20
Surrogates								
TCMX	0.4802	0.5000	ug/L	96%		14-120		
Decachlorobiphenyl	0.5645	0.5000	ug/L	113%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1229766	Batch:	363184
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1229766 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.925	5.000	ug/L	98%		36-143
Aroclor-1260	4.981	5.000	ug/L	100%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4796	0.5000	ug/L	96%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1229767	Batch:	363184
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1229767 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.015	5.000	ug/L	100%		36-143	2	39
Aroclor-1260	4.717	5.000	ug/L	94%		31-153	5	20
Surrogates								
Decachlorobiphenyl (PCB)	0.4524	0.5000	ug/L	90%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229848**	**Batch:**	**363202**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229848 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	42.40	50.00	ug/L	85%		70-135
MTBE	40.49	50.00	ug/L	81%		70-130
Benzene	51.38	50.00	ug/L	103%		70-130
Trichloroethene	56.89	50.00	ug/L	114%		70-130
Toluene	53.06	50.00	ug/L	106%		70-130
Chlorobenzene	53.22	50.00	ug/L	106%		70-130
Surrogates						
Dibromofluoromethane	41.69	50.00	ug/L	83%		70-130
1,2-Dichloroethane-d4	41.43	50.00	ug/L	83%		70-130
Toluene-d8	50.41	50.00	ug/L	101%		70-130
Bromofluorobenzene	49.72	50.00	ug/L	99%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1229849**	**Batch:**	**363202**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229849 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	46.71	50.00	ug/L	93%		70-135	10	30
MTBE	44.48	50.00	ug/L	89%		70-130	9	30
Benzene	55.87	50.00	ug/L	112%		70-130	8	30
Trichloroethene	61.05	50.00	ug/L	122%		70-130	7	30
Toluene	56.80	50.00	ug/L	114%		70-130	7	30
Chlorobenzene	56.30	50.00	ug/L	113%		70-130	6	30
Surrogates								
Dibromofluoromethane	42.11	50.00	ug/L	84%		70-130		
1,2-Dichloroethane-d4	43.28	50.00	ug/L	87%		70-130		
Toluene-d8	49.92	50.00	ug/L	100%		70-130		
Bromofluorobenzene	50.62	50.00	ug/L	101%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1229853**	**Batch:**	**363202**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1229853 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.4	02/16/25	02/16/25
Chloroprene	ND		ug/L	200	0.3	02/16/25	02/16/25
3-Chloropropene	ND		ug/L	5.0	0.5	02/16/25	02/16/25
Ethyl methacrylate	ND		ug/L	50	1.5	02/16/25	02/16/25
Ethanol	ND		ug/L	500	320	02/16/25	02/16/25
2-Hexanone	ND		ug/L	5.0	0.7	02/16/25	02/16/25
Isopropanol (IPA)	ND		ug/L	200	73	02/16/25	02/16/25
Methyl acrylonitrile	ND		ug/L	35	2.3	02/16/25	02/16/25
Vinyl Acetate	ND		ug/L	50	4.3	02/16/25	02/16/25
Acrolein	ND		ug/L	200	2.2	02/16/25	02/16/25
Acrylonitrile	ND		ug/L	10	0.3	02/16/25	02/16/25
Freon 12	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Chloromethane	ND		ug/L	5.0	0.3	02/16/25	02/16/25
Vinyl Chloride	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Bromomethane	ND		ug/L	5.0	0.4	02/16/25	02/16/25
Chloroethane	ND		ug/L	5.0	0.3	02/16/25	02/16/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	02/16/25	02/16/25
Iodomethane	ND		ug/L	7.6		02/16/25	02/16/25
Acetone	ND		ug/L	100	21	02/16/25	02/16/25
Freon 113	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	02/16/25	02/16/25
Methylene Chloride	ND		ug/L	10	2.4	02/16/25	02/16/25
MTBE	ND		ug/L	5.0	0.09	02/16/25	02/16/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	02/16/25	02/16/25
2-Butanone	ND		ug/L	10	1.7	02/16/25	02/16/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Chloroform	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Bromochloromethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	02/16/25	02/16/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Benzene	ND		ug/L	1.0	0.1	02/16/25	02/16/25
Trichloroethene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Bromodichloromethane	ND		ug/L	5.0	0.08	02/16/25	02/16/25
Dibromomethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
4-Methyl-2-Pentanone	ND		ug/L	10	1.0	02/16/25	02/16/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	02/16/25	02/16/25
Toluene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Tetrachloroethene	ND		ug/L	5.0	0.09	02/16/25	02/16/25
Dibromochloromethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25

ENTHALPY ANALYTICAL

Batch QC

QC1229853 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.07	02/16/25	02/16/25
Chlorobenzene	ND		ug/L	5.0	0.09	02/16/25	02/16/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Ethylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
m,p-Xylenes	ND		ug/L	5.0	0.2	02/16/25	02/16/25
o-Xylene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Styrene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
Bromoform	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Isopropylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Propylbenzene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
Bromobenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	02/16/25	02/16/25
n-Butylbenzene	ND		ug/L	5.0	0.4	02/16/25	02/16/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	02/16/25	02/16/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	02/16/25	02/16/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	02/16/25	02/16/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	02/16/25	02/16/25
Naphthalene	ND		ug/L	5.0	0.3	02/16/25	02/16/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	02/16/25	02/16/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	02/16/25	02/16/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	02/16/25	02/16/25
Xylene (total)	ND		ug/L	5.0		02/16/25	02/16/25
TIC:	ND					02/16/25	02/16/25
Surrogates				**Limits**			
Dibromofluoromethane	82%		%REC	70-130		02/16/25	02/16/25
1,2-Dichloroethane-d4	90%		%REC	70-130		02/16/25	02/16/25
Toluene-d8	97%		%REC	70-130		02/16/25	02/16/25
Bromofluorobenzene	101%		%REC	70-130		02/16/25	02/16/25

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1229854	Batch:	363202
Matrix (Source ID):	Water (526609-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1229854 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	649.4	ND	1000	ug/L	65%	*	70-130	50
MTBE	718.7	6.239	1000	ug/L	71%	*	75-130	50
Benzene	866.7	24.16	1000	ug/L	84%		70-130	50
Trichloroethene	869.0	ND	1000	ug/L	87%		63-130	50
Toluene	816.1	ND	1000	ug/L	82%		70-130	50
Chlorobenzene	865.2	ND	1000	ug/L	87%		70-130	50
Surrogates								
Dibromofluoromethane	2,137		2500	ug/L	85%		70-130	50
1,2-Dichloroethane-d4	2,214		2500	ug/L	89%		70-130	50
Toluene-d8	2,415		2500	ug/L	97%		70-130	50
Bromofluorobenzene	2,491		2500	ug/L	100%		70-130	50

Type:	Matrix Spike Duplicate	Lab ID:	QC1229855	Batch:	363202
Matrix (Source ID):	Water (526609-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1229855 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	723.6	ND	1000	ug/L	72%		70-130	11	30	50
MTBE	800.4	6.239	1000	ug/L	79%		75-130	11	30	50
Benzene	966.4	24.16	1000	ug/L	94%		70-130	11	30	50
Trichloroethene	983.2	ND	1000	ug/L	98%		63-130	12	30	50
Toluene	919.4	ND	1000	ug/L	92%		70-130	12	30	50
Chlorobenzene	954.2	ND	1000	ug/L	95%		70-130	10	30	50
Surrogates										
Dibromofluoromethane	2,074		2500	ug/L	83%		70-130			50
1,2-Dichloroethane-d4	2,139		2500	ug/L	86%		70-130			50
Toluene-d8	2,442		2500	ug/L	98%		70-130			50
Bromofluorobenzene	2,495		2500	ug/L	100%		70-130			50

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1229347	Batch: 363056
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1229347 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	2.3	02/14/25	02/14/25
Pyridine	ND		ug/L	10	3.9	02/14/25	02/14/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	02/14/25	02/14/25
Phenol	ND		ug/L	10	3.5	02/14/25	02/14/25
Aniline	ND		ug/L	10	4.5	02/14/25	02/14/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.1	02/14/25	02/14/25
2-Chlorophenol	ND		ug/L	10	2.8	02/14/25	02/14/25
1,3-Dichlorobenzene	ND		ug/L	10	3.3	02/14/25	02/14/25
1,4-Dichlorobenzene	ND		ug/L	10	3.3	02/14/25	02/14/25
Benzyl alcohol	ND		ug/L	10	5.8	02/14/25	02/14/25
1,2-Dichlorobenzene	ND		ug/L	10	3.3	02/14/25	02/14/25
2-Methylphenol	ND		ug/L	10	3.2	02/14/25	02/14/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	2.8	02/14/25	02/14/25
3-,4-Methylphenol	ND		ug/L	10	2.6	02/14/25	02/14/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	3.9	02/14/25	02/14/25
Hexachloroethane	ND		ug/L	10	3.8	02/14/25	02/14/25
Nitrobenzene	ND		ug/L	25	6.4	02/14/25	02/14/25
Isophorone	ND		ug/L	10	1.9	02/14/25	02/14/25
2-Nitrophenol	ND		ug/L	10	5.6	02/14/25	02/14/25
2,4-Dimethylphenol	ND		ug/L	10	4.4	02/14/25	02/14/25
Benzoic acid	ND		ug/L	50	19	02/14/25	02/14/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	2.3	02/14/25	02/14/25
2,4-Dichlorophenol	ND		ug/L	10	2.7	02/14/25	02/14/25
1,2,4-Trichlorobenzene	ND		ug/L	10	2.6	02/14/25	02/14/25
Naphthalene	ND		ug/L	10	2.7	02/14/25	02/14/25
4-Chloroaniline	ND		ug/L	10	2.3	02/14/25	02/14/25
Hexachlorobutadiene	ND		ug/L	10	4.0	02/14/25	02/14/25
4-Chloro-3-methylphenol	ND		ug/L	10	2.7	02/14/25	02/14/25
2-Methylnaphthalene	ND		ug/L	10	2.4	02/14/25	02/14/25
Hexachlorocyclopentadiene	ND		ug/L	25	4.9	02/14/25	02/14/25
2,4,6-Trichlorophenol	ND		ug/L	10	2.2	02/14/25	02/14/25
2,4,5-Trichlorophenol	ND		ug/L	10	2.7	02/14/25	02/14/25
2-Chloronaphthalene	ND		ug/L	10	2.4	02/14/25	02/14/25
2-Nitroaniline	ND		ug/L	50	3.7	02/14/25	02/14/25
Dimethylphthalate	ND		ug/L	10	3.1	02/14/25	02/14/25
Acenaphthylene	ND		ug/L	10	2.2	02/14/25	02/14/25
2,6-Dinitrotoluene	ND		ug/L	10	3.7	02/14/25	02/14/25
3-Nitroaniline	ND		ug/L	10	1.8	02/14/25	02/14/25
Acenaphthene	ND		ug/L	10	2.6	02/14/25	02/14/25
2,4-Dinitrophenol	ND		ug/L	50	3.5	02/14/25	02/14/25
4-Nitrophenol	ND		ug/L	10	1.5	02/14/25	02/14/25
Dibenzofuran	ND		ug/L	10	2.2	02/14/25	02/14/25
2,4-Dinitrotoluene	ND		ug/L	10	3.1	02/14/25	02/14/25
Diethylphthalate	ND		ug/L	10	2.8	02/14/25	02/14/25
Fluorene	ND		ug/L	10	2.1	02/14/25	02/14/25
4-Chlorophenyl-phenylether	ND		ug/L	10	2.4	02/14/25	02/14/25
4-Nitroaniline	ND		ug/L	10	2.8	02/14/25	02/14/25

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Batch QC

QC1229347 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	3.2	02/14/25	02/14/25
N-Nitrosodiphenylamine	ND		ug/L	10	3.9	02/14/25	02/14/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	2.3	02/14/25	02/14/25
4-Bromophenyl-phenylether	ND		ug/L	10	2.3	02/14/25	02/14/25
Hexachlorobenzene	ND		ug/L	10	2.4	02/14/25	02/14/25
Pentachlorophenol	ND		ug/L	25	2.6	02/14/25	02/14/25
Phenanthrene	ND		ug/L	10	2.6	02/14/25	02/14/25
Anthracene	ND		ug/L	10	2.1	02/14/25	02/14/25
Di-n-butylphthalate	ND		ug/L	10	2.4	02/14/25	02/14/25
Fluoranthene	ND		ug/L	10	2.6	02/14/25	02/14/25
Benzidine	ND		ug/L	50	16	02/14/25	02/14/25
Pyrene	ND		ug/L	10	2.4	02/14/25	02/14/25
Butylbenzylphthalate	ND		ug/L	10	2.6	02/14/25	02/14/25
3,3'-Dichlorobenzidine	ND		ug/L	25	2.9	02/14/25	02/14/25
Benzo(a)anthracene	ND		ug/L	10	2.1	02/14/25	02/14/25
Chrysene	ND		ug/L	10	2.5	02/14/25	02/14/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	2.8	02/14/25	02/14/25
Di-n-octylphthalate	ND		ug/L	10	4.8	02/14/25	02/14/25
Benzo(b)fluoranthene	ND		ug/L	10	2.3	02/14/25	02/14/25
Benzo(k)fluoranthene	ND		ug/L	10	2.4	02/14/25	02/14/25
Benzo(a)pyrene	ND		ug/L	10	2.2	02/14/25	02/14/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	5.4	02/14/25	02/14/25
Dibenz(a,h)anthracene	ND		ug/L	10	7.5	02/14/25	02/14/25
Benzo(g,h,i)perylene	ND		ug/L	10	3.5	02/14/25	02/14/25
TIC:2,6-Dichlorophenol	ND		ug/L			02/14/25	02/14/25
TIC:2-Acetylaminofluorene	ND		ug/L			02/14/25	02/14/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			02/14/25	02/14/25
TIC:4-Aminobiphenyl	ND		ug/L			02/14/25	02/14/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			02/14/25	02/14/25
TIC:Acetophenone	ND		ug/L			02/14/25	02/14/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			02/14/25	02/14/25
TIC:Chlorobenzilate	ND		ug/L			02/14/25	02/14/25
TIC:Diallate	ND		ug/L			02/14/25	02/14/25
TIC:Thionazin	ND		ug/L			02/14/25	02/14/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			02/14/25	02/14/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			02/14/25	02/14/25
Surrogates				**Limits**			
2-Fluorophenol	55%		%REC	20-140		02/14/25	02/14/25
Phenol-d6	36%		%REC	20-140		02/14/25	02/14/25
2,4,6-Tribromophenol	78%		%REC	20-140		02/14/25	02/14/25
Nitrobenzene-d5	73%		%REC	20-140		02/14/25	02/14/25
2-Fluorobiphenyl	80%		%REC	20-140		02/14/25	02/14/25
Terphenyl-d14	90%		%REC	20-140		02/14/25	02/14/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229348**	**Batch:**	**363056**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1229348 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	26.17	75.00	ug/L	35%		13-120
2-Chlorophenol	52.50	75.00	ug/L	70%		31-120
1,4-Dichlorobenzene	54.89	75.00	ug/L	73%		24-120
3-,4-Methylphenol	51.00	75.00	ug/L	68%		29-120
N-Nitroso-di-n-propylamine	61.95	75.00	ug/L	83%		32-120
2,4-Dimethylphenol	55.24	75.00	ug/L	74%		25-120
1,2,4-Trichlorobenzene	58.04	75.00	ug/L	77%		26-120
4-Chloro-3-methylphenol	67.77	75.00	ug/L	90%		39-120
2,4,5-Trichlorophenol	68.49	75.00	ug/L	91%		38-120
Acenaphthene	62.18	75.00	ug/L	83%		33-120
4-Nitrophenol	29.14	75.00	ug/L	39%		12-120
2,4-Dinitrotoluene	66.50	75.00	ug/L	89%		46-120
Pentachlorophenol	52.08	75.00	ug/L	69%		37-120
Pyrene	65.65	75.00	ug/L	88%		47-120
Chrysene	63.34	75.00	ug/L	84%		48-120
Benzo(b)fluoranthene	67.19	75.00	ug/L	90%		46-120
Surrogates						
2-Fluorophenol	19.76	40.00	ug/L	49%		20-140
Phenol-d6	13.38	40.00	ug/L	33%		20-140
2,4,6-Tribromophenol	36.73	40.00	ug/L	92%		20-140
Nitrobenzene-d5	30.50	40.00	ug/L	76%		20-140
2-Fluorobiphenyl	31.72	40.00	ug/L	79%		20-140
Terphenyl-d14	32.45	40.00	ug/L	81%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1229349**	**Batch:**	**363056**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1229349 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	27.66	75.00	ug/L	37%		13-120	6	62
2-Chlorophenol	55.89	75.00	ug/L	75%		31-120	6	62
1,4-Dichlorobenzene	54.91	75.00	ug/L	73%		24-120	0	64
3-,4-Methylphenol	57.05	75.00	ug/L	76%		29-120	11	62
N-Nitroso-di-n-propylamine	70.78	75.00	ug/L	94%		32-120	13	65
2,4-Dimethylphenol	62.61	75.00	ug/L	83%		25-120	13	64
1,2,4-Trichlorobenzene	62.59	75.00	ug/L	83%		26-120	8	63
4-Chloro-3-methylphenol	71.40	75.00	ug/L	95%		39-120	5	58
2,4,5-Trichlorophenol	74.72	75.00	ug/L	100%		38-120	9	59
Acenaphthene	60.68	75.00	ug/L	81%		33-120	2	52
4-Nitrophenol	29.72	75.00	ug/L	40%		12-120	2	63
2,4-Dinitrotoluene	72.09	75.00	ug/L	96%		46-120	8	41
Pentachlorophenol	58.45	75.00	ug/L	78%		37-120	12	42
Pyrene	67.06	75.00	ug/L	89%		47-120	2	43
Chrysene	65.55	75.00	ug/L	87%		48-120	3	46
Benzo(b)fluoranthene	70.97	75.00	ug/L	95%		46-120	5	47
Surrogates								
2-Fluorophenol	19.93	40.00	ug/L	50%		20-140		
Phenol-d6	14.17	40.00	ug/L	35%		20-140		
2,4,6-Tribromophenol	38.52	40.00	ug/L	96%		20-140		
Nitrobenzene-d5	33.41	40.00	ug/L	84%		20-140		
2-Fluorobiphenyl	32.72	40.00	ug/L	82%		20-140		
Terphenyl-d14	33.30	40.00	ug/L	83%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1229369		**Batch:** 363064
Matrix: Water	**Method:** EPA 8270C-SIM		**Prep Method:** EPA 3510C

QC1229369 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.21	02/14/25	02/15/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	02/14/25	02/15/25
Naphthalene	ND		ug/L	0.50	0.21	02/14/25	02/15/25
Acenaphthylene	ND		ug/L	0.50	0.22	02/14/25	02/15/25
Acenaphthene	ND		ug/L	0.50	0.20	02/14/25	02/15/25
Fluorene	ND		ug/L	0.50	0.20	02/14/25	02/15/25
Phenanthrene	ND		ug/L	0.50	0.18	02/14/25	02/15/25
Anthracene	ND		ug/L	0.50	0.20	02/14/25	02/15/25
Fluoranthene	ND		ug/L	0.50	0.19	02/14/25	02/15/25
Pyrene	ND		ug/L	0.50	0.19	02/14/25	02/15/25
Benzo(a)anthracene	ND		ug/L	0.50	0.15	02/14/25	02/15/25
Chrysene	ND		ug/L	0.50	0.17	02/14/25	02/15/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.15	02/14/25	02/15/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.18	02/14/25	02/15/25
Benzo(a)pyrene	ND		ug/L	0.50	0.17	02/14/25	02/15/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.15	02/14/25	02/15/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.17	02/14/25	02/15/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.18	02/14/25	02/15/25
Surrogates				**Limits**			
Nitrobenzene-d5	85%		%REC	16-125		02/14/25	02/15/25
2-Fluorobiphenyl	82%		%REC	17-120		02/14/25	02/15/25
Terphenyl-d14	98%		%REC	39-123		02/14/25	02/15/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1229371**	**Batch:**	**363064**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1229371 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.362	4.000	ug/L	84%		23-120
2-Methylnaphthalene	3.349	4.000	ug/L	84%		33-120
Naphthalene	3.356	4.000	ug/L	84%		38-120
Acenaphthylene	3.456	4.000	ug/L	86%		37-120
Acenaphthene	3.275	4.000	ug/L	82%		39-120
Fluorene	3.465	4.000	ug/L	87%		43-120
Phenanthrene	3.407	4.000	ug/L	85%		42-120
Anthracene	3.480	4.000	ug/L	87%		42-120
Fluoranthene	3.527	4.000	ug/L	88%		48-120
Pyrene	3.595	4.000	ug/L	90%		44-120
Benzo(a)anthracene	3.584	4.000	ug/L	90%		51-126
Chrysene	3.525	4.000	ug/L	88%		47-120
Benzo(b)fluoranthene	3.551	4.000	ug/L	89%		44-127
Benzo(k)fluoranthene	3.633	4.000	ug/L	91%		43-127
Benzo(a)pyrene	3.531	4.000	ug/L	88%		29-124
Indeno(1,2,3-cd)pyrene	3.689	4.000	ug/L	92%		44-127
Dibenz(a,h)anthracene	3.861	4.000	ug/L	97%		55-120
Benzo(g,h,i)perylene	3.639	4.000	ug/L	91%		46-120
Surrogates						
Nitrobenzene-d5	3.459	4.000	ug/L	86%		16-125
2-Fluorobiphenyl	3.430	4.000	ug/L	86%		17-120
Terphenyl-d14	4.027	4.000	ug/L	101%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1229372	Batch:	363064
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3510C

QC1229372 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.273	4.000	ug/L	82%		23-120	3	20
2-Methylnaphthalene	3.225	4.000	ug/L	81%		33-120	4	20
Naphthalene	3.179	4.000	ug/L	79%		38-120	5	20
Acenaphthylene	3.431	4.000	ug/L	86%		37-120	1	20
Acenaphthene	3.139	4.000	ug/L	78%		39-120	4	20
Fluorene	3.356	4.000	ug/L	84%		43-120	3	20
Phenanthrene	3.298	4.000	ug/L	82%		42-120	3	20
Anthracene	3.337	4.000	ug/L	83%		42-120	4	20
Fluoranthene	3.375	4.000	ug/L	84%		48-120	4	20
Pyrene	3.399	4.000	ug/L	85%		44-120	6	20
Benzo(a)anthracene	3.525	4.000	ug/L	88%		51-126	2	20
Chrysene	3.375	4.000	ug/L	84%		47-120	4	20
Benzo(b)fluoranthene	3.251	4.000	ug/L	81%		44-127	9	20
Benzo(k)fluoranthene	3.359	4.000	ug/L	84%		43-127	8	20
Benzo(a)pyrene	3.301	4.000	ug/L	83%		29-124	7	20
Indeno(1,2,3-cd)pyrene	3.479	4.000	ug/L	87%		44-127	6	20
Dibenz(a,h)anthracene	3.552	4.000	ug/L	89%		55-120	8	20
Benzo(g,h,i)perylene	3.532	4.000	ug/L	88%		46-120	3	20
Surrogates								
Nitrobenzene-d5	3.479	4.000	ug/L	87%		16-125		
2-Fluorobiphenyl	3.395	4.000	ug/L	85%		17-120		
Terphenyl-d14	3.879	4.000	ug/L	97%		39-123		

Type:	Blank	Lab ID:	QC1230575	Batch:	363408
Matrix:	Water	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1230575 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	02/18/25	02/18/25

Type:	Lab Control Sample	Lab ID:	QC1230576	Batch:	363408
Matrix:	Water	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1230576 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1011	0.1000	mg/L	101%		76-120

Type:	Matrix Spike	Lab ID:	QC1230577	Batch:	363408
Matrix (Source ID):	Water (526326-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1230577 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.09871	ND	0.1000	mg/L	99%		65-121	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1230578	Batch:	363408
Matrix (Source ID):	Water (526326-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1230578 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1014	ND	0.1000	mg/L	101%		65-121	3	30	0.5

Type:	Blank	Lab ID:	QC1231292	Batch:	363624
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1231292 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		02/20/25	02/20/25

Type:	Lab Control Sample	Lab ID:	QC1231293	Batch:	363624
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1231293 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type:	Matrix Spike	Lab ID:	QC1231294	Batch:	363624
Matrix (Source ID):	Drinking Water (526290-002)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1231294 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1231821	Batch:	363624
Matrix (Source ID):	Drinking Water (526290-002)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1231821 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	0	20	1

* Value is outside QC limits
ND Not Detected

Laboratory Job Number 526326

Subcontracted Products

Pace Laboratories

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 26, 2025

Zach Barker
Enthalpy
931 W Barkley Ave
Orange, CA 92868

RE: Project: Chiquita Canyon Landfill Storm
Pace Project No.: 30758788

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on February 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Diane Galvan, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Chiquita Canyon Landfill Storm
Pace Project No.: 30758788

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30758788001	**South Basin - Western Inlet**	Water	02/13/25 09:00	02/15/25 10:50
30758788002	**South Basin - Eastern Inlet**	Water	02/13/25 08:15	02/15/25 10:50

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

2502614

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2502614

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment	
SOUTH BASIN - WESTERN INLET	13-FEB-2025 09:00	526326-001	1	Water	Organophosphorus Pesticides		-1
SOUTH BASIN - EASTERN INLET	13-FEB-2025 08:15	526326-002	1	Water	Organophosphorus Pesticides		-2

Notes:	Relinquished By:	Received By:
	Tri's Kelly Tri's	
	Date: 2/14/25	Date: 2/15/25 1070
	Date:	Date:
	Date:	Date:

CHK BY SMH DISTRIBUTION SLM SUB OUT

SMH
SHORT HOLD TIME
Cr^{+6} NO CP SS
DO Cl_2 BOD MBAS COT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 2502614

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received
☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 279
Temperature: (A) 1.8 °C / (C) 1.8 °C
Date/Time 2/17/25
Analyst Init JCM 1050

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR	A	A								
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: EJL Date/Time: 2.17.25 1200
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMPREC.rev 23] Page 4 of 14

Date of Report: 02/25/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project:	[none]
Pace Project:	Chiquita Canyon Landfill Stormwater
Pace Work Order:	2502614
Invoice ID:	B512449

Enclosed are the results of analyses for samples received by the laboratory on 2/15/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

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2502614

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2502814

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN - WESTERN INLET	13-FEB-2025 09:00	526326-001	1	Water	Organophosphorus Pesticides	-1
SOUTH BASIN - EASTERN INLET	13-FEB-2025 08:15	526326-002	1	Water	Organophosphorus Pesticides	-2

Notes:	Relinquished By:	Received By:
	Tris Kelly	
	Date: 2/14/25	Date: 2/15/25 1070
	Date:	Date:
	Date:	Date:

CHK BY SMH
DISTRIBUTION SLM
SUB OUT

SMH
SHORT HOLD TIME
Cr^{+6} NO OP SS
DO Cl_2 BOD MBAS COT

1 of 1

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 1

Submission #: 2502614

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☒ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: WA Thermometer ID: 274
Temperature: (A) 1.8 °C / (C) 1.8 °C
Date/Time 2/17/25
Analyst Init JCD 1050

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR	A	A								
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: TJL Date/Time: 2.17.25 1200
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2502614-01	**COC Number:**	---	**Receive Date:**	02/15/2025 10:50
	Project Number:	---	**Sampling Date:**	02/13/2025 09:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN-WESTERN INLET	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water
2502614-02	**COC Number:**	---	**Receive Date:**	02/15/2025 10:50
	Project Number:	---	**Sampling Date:**	02/13/2025 08:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN-EASTERN INLET	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2502614-01 | **Client Sample Name:** SOUTH BASIN-WESTERN INLET, 2/13/2025 9:00:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	46.0	%	50 - 130 (LCL - UCL)		EPA-8141A		S09	1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	02/19/25 11:00	02/22/25 06:08	HAH	GC-18	1	B206385	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2502614-02 | **Client Sample Name:** SOUTH BASIN-EASTERN INLET, 2/13/2025 8:15:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	41.8	%	50 - 130 (LCL - UCL)		EPA-8141A		S09	1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	02/19/25 11:00	02/22/25 06:38	HAH	GC-18	1	B206385	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B206385							
Azinphos methyl	B206385-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B206385-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B206385-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B206385-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B206385-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B206385-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B206385-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B206385-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B206385-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B206385-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B206385-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B206385-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B206385-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B206385-BLK1	ND	ug/L	0.20	0.050		1
Naled	B206385-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B206385-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B206385-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B206385-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B206385-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B206385-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	**B206385-BLK1**	**79.4**	%	**50 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B206385-BLK1	PB	EPA-8141A	02/19/25	02/21/25 21:47	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B206385											
Bolstar	B206385-BS1	LCS	1.2550	2.0000	ug/L	62.8		50 - 130			1
	B206385-BSD1	LCSD	1.3650	2.0000	ug/L	68.2	8.4	50 - 130	30		2
Chlorpyrifos	B206385-BS1	LCS	1.4100	2.0000	ug/L	70.5		60 - 120			1
	B206385-BSD1	LCSD	1.3750	2.0000	ug/L	68.8	2.5	60 - 120	30		2
Diazinon	B206385-BS1	LCS	1.3400	2.0000	ug/L	67.0		60 - 130			1
	B206385-BSD1	LCSD	1.3900	2.0000	ug/L	69.5	3.7	60 - 130	30		2
Methyl parathion	B206385-BS1	LCS	1.4600	2.0000	ug/L	73.0		60 - 120			1
	B206385-BSD1	LCSD	1.4400	2.0000	ug/L	72.0	1.4	60 - 120	30		2
Mevinphos	B206385-BS1	LCS	1.4550	2.0000	ug/L	72.8		50 - 120			1
	B206385-BSD1	LCSD	1.3600	2.0000	ug/L	68.0	6.7	50 - 120	30		2
Ronnel (Fenchlorphos)	B206385-BS1	LCS	1.4350	2.0000	ug/L	71.8		50 - 120			1
	B206385-BSD1	LCSD	1.4550	2.0000	ug/L	72.8	1.4	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	B206385-BS1	LCS	1.4200	2.0000	ug/L	71.0		50 - 120			1
	B206385-BSD1	LCSD	1.5500	2.0000	ug/L	77.5	8.8	50 - 120	30		2
Triphenylphosphate (Surrogate)	B206385-BS1	LCS	1.5750	2.5000	ug/L	63.0		50 - 130			1
	B206385-BSD1	LCSD	1.6800	2.5000	ug/L	67.2	6.5	50 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B206385-BS1	LCS	EPA-8141A	02/19/25	02/21/25 22:16	HAH	GC-18	1
2	B206385-BSD1	LCSD	EPA-8141A	02/19/25	02/21/25 22:46	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
S09	The surrogate recovery for this compound was not within the control limits.

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Laboratory Job Number 526326

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2502C55

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-526326

Project Location:
Project Received: 02/18/2025

Analytical Report reviewed & approved for release on 02/25/2025 by:

Yen Cao

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502C55

Project: EO-526326

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2502C55

Project: EO-526326

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
b1	Aqueous sample that contains greater than ~1 vol. % sediment.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502C55
Date Received:	02/18/2025 11:57	**Extraction Method:**	SW8151A
Date Prepared:	02/20/2025	**Analytical Method:**	SW8151A
Project:	EO-526326	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN-WESTERN INLET	2502C55-001A	Water	02/13/2025 09:00	GC15A 02192588.D	311725

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	02/20/2025 20:50
Bentazon	ND	4.1	10	10	02/20/2025 20:50
Chloramben	ND	3.1	10	10	02/20/2025 20:50
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	02/20/2025 20:50
2,4-DB	ND	2.1	10	10	02/20/2025 20:50
Dalapon	ND	3.9	10	10	02/20/2025 20:50
DCPA (mono & diacid)	ND	1.4	10	10	02/20/2025 20:50
Dicamba	ND	0.59	2.0	10	02/20/2025 20:50
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	02/20/2025 20:50
Dichloroprop	ND	1.8	10	10	02/20/2025 20:50
Dinoseb (DNBP)	ND	1.8	10	10	02/20/2025 20:50
MCPA	ND	14	20	10	02/20/2025 20:50
MCPP	ND	7.7	20	10	02/20/2025 20:50
4-Nitrophenol	ND	5.0	10	10	02/20/2025 20:50
Pentachlorophenol (PCP)	ND	0.55	2.0	10	02/20/2025 20:50
Picloram	ND	3.5	10	10	02/20/2025 20:50
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	02/20/2025 20:50
2,4,5-TP (Silvex)	ND	1.4	5.0	10	02/20/2025 20:50

Surrogates	REC (%)	Limits	
DCAA	99	60-140	02/20/2025 20:50

Analyst(s): DP Analytical Comments: a3,b1

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502C55
Date Received:	02/18/2025 11:57	**Extraction Method:**	SW8151A
Date Prepared:	02/20/2025	**Analytical Method:**	SW8151A
Project:	EO-526326	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN-EASTERN INLET	2502C55-002A	Water	02/13/2025 08:15	GC15A 02192589.D	311725

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	02/20/2025 21:15
Bentazon	ND	4.1	10	10	02/20/2025 21:15
Chloramben	ND	3.1	10	10	02/20/2025 21:15
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	02/20/2025 21:15
2,4-DB	ND	2.1	10	10	02/20/2025 21:15
Dalapon	ND	3.9	10	10	02/20/2025 21:15
DCPA (mono & diacid)	ND	1.4	10	10	02/20/2025 21:15
Dicamba	ND	0.59	2.0	10	02/20/2025 21:15
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	02/20/2025 21:15
Dichloroprop	ND	1.8	10	10	02/20/2025 21:15
Dinoseb (DNBP)	ND	1.8	10	10	02/20/2025 21:15
MCPA	ND	14	20	10	02/20/2025 21:15
MCPP	ND	7.7	20	10	02/20/2025 21:15
4-Nitrophenol	ND	5.0	10	10	02/20/2025 21:15
Pentachlorophenol (PCP)	ND	0.55	2.0	10	02/20/2025 21:15
Picloram	ND	3.5	10	10	02/20/2025 21:15
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	02/20/2025 21:15
2,4,5-TP (Silvex)	ND	1.4	5.0	10	02/20/2025 21:15

Surrogates	REC (%)	Limits	
DCAA	106	60-140	02/20/2025 21:15

Analyst(s): DP

Analytical Comments: a3,b1

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502C55
Date Prepared:	02/20/2025	**BatchID:**	311725
Date Analyzed:	02/20/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-526326	**Sample ID:**	MB/LCS/LCSD-311725

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	11			10	111	70-130

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2502C55
Date Prepared:	02/20/2025	**BatchID:**	311725
Date Analyzed:	02/20/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-526326	**Sample ID:**	MB/LCS/LCSD-311725

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	11	10	10	114	100	70-130	13.0	30
Bentazon	11	10	10	108	103	70-130	3.95	30
Chloramben	11	10	10	108	102	70-130	5.77	30
2,4-D (Dichlorophenoxyacetic acid)	10	9.6	10	100	96	70-130	4.19	30
2,4-DB	11	11	10	110	107	70-130	2.75	30
Dalapon	11	10	10	113	103	70-130	9.31	30
DCPA (mono & diacid)	11	10	10	108	102	70-130	5.78	30
Dicamba	10	9.7	10	105	97	70-130	7.71	30
3,5-Dichlorobenzoic Acid	10	9.5	10	103	95	70-130	8.90	30
Dichloroprop	10	9.4	10	101	94	70-130	7.15	30
Dinoseb (DNBP)	11	10	10	106	100	70-130	5.92	30
MCPA	99	87	100	99	87	70-130	12.8	30
MCPP	110	97	100	110	97	70-130	12.6	30
4-Nitrophenol	11	10	10	109	100	70-130	9.17	30
Pentachlorophenol (PCP)	10	9.8	10	105	98	70-130	6.28	30
Picloram	11	9.9	10	107	99	70-130	7.70	30
2,4,5-T (Trichlorophenoxy acetic acid)	10	9.8	10	103	98	70-130	4.99	30
2,4,5-TP (Silvex)	10	9.8	10	104	98	70-130	5.86	30
Surrogate Recovery								
DCAA	11	11	10	111	107	70-130	3.00	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502C55 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-526326

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **02/18/2025**
Date Logged: **02/19/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502C55-001	SOUTH BASIN-WESTERN INLET	Water	2/13/2025 09:00	☐	A	A										
2502C55-002	SOUTH BASIN-EASTERN INLET	Water	2/13/2025 08:15	☐	A	A										

Test Legend:

1	8151_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-526326
Comments:

Work Order: 2502C55
QC Level: LEVEL 2
Date Logged: 2/19/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN-WESTERN INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	2/13/2025 9:00	5 days	2/25/2025	1%+	☐	☐
002A	SOUTH BASIN-EASTERN INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	2/13/2025 8:15	5 days	2/25/2025	5%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2502055

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
+1 SOUTH BASIN - WESTERN INLET	13-FEB-2025 09:00	526326-001	1	Water	EPA 8151A Chlorinated Herbicides	
+5 SOUTH BASIN - EASTERN INLET	13-FEB-2025 08:15	526326-002	1	Water	EPA 8151A Chlorinated Herbicides	

Notes:	Relinquished By:	Received By:
	Date: 2/17/25	Date: 2/18/25 1157A
	Date:	Date:
	Date:	Date:

1 of 1
GSO:5600001712

0.6 cwa 1233

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-526326

Date and Time Received: 2/18/2025 11:57
Date Logged: 2/19/2025
Received by: Agustina Venegas
Logged by: Agustina Venegas

WorkOrder №: 2502C55 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.6°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Laboratory Job Number 526326

Subcontracted Products

Enthalpy - El Dorado Hills

February 25, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2502181

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on February 18, 2025 under your Project Name 'EO-526326'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2502181
Case Narrative

Sample Condition on Receipt:

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2502181-01	SOUTH BASIN-WESTERN INLET	13-Feb-25 09:00	18-Feb-25 11:30	Amber Glass NM Bottle, 1L
2502181-02	SOUTH BASIN-EASTERN INLET	13-Feb-25 08:15	18-Feb-25 11:30	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 8290A

Client Data

Name: Enthalpy Analytical
Project: EO-526326
Matrix: Aqueous

Laboratory Data

Lab Sample: B25B224-BLK1
QC Batch: B25B224
Sample Size: 1.00 L
Date Extracted: 21-Feb-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		22-Feb-25 16:28	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	89.5	40 - 135		22-Feb-25 16:28	1
37Cl-2,3,7,8-TCDD	CRS	120	40 - 135		22-Feb-25 16:28	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: OPR **EPA Method 8290A**

Client Data		Laboratory Data			
Name:	Enthalpy Analytical	Lab Sample:	B25B224-BS1		
Project:	EO-526326	QC Batch:	B25B224	Date Extracted:	21-Feb-25 03:34
Matrix:	Aqueous	Sample Size:	1.00 L	Column:	ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	186	200	93.1	70-130		22-Feb-25 14:10	1
Labeled Standards	**Type**		**% Recovery**	**Limits**	**Qualifiers**	**Analyzed**	**Dilution**
13C-2,3,7,8-TCDD	IS		87.5	40-135		22-Feb-25 14:10	1
37Cl-2,3,7,8-TCDD	CRS		108	40-135		22-Feb-25 14:10	1

Sample ID: SOUTH BASIN-WESTERN INLET

EPA Method 8290A

Client Data

Name: Enthalpy Analytical
Project: EO-526326
Matrix: Water
Date Collected: 13-Feb-25 09:00

Laboratory Data

Lab Sample: 2502181-01
QC Batch: B25B224
Sample Size: 1.04 L
Date Received: 18-Feb-25 11:30
Date Extracted: 21-Feb-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.71	4.80		22-Feb-25 17:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	49.8	40 - 135		22-Feb-25 17:59	1
37Cl-2,3,7,8-TCDD	CRS	107	40 - 135		22-Feb-25 17:59	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: SOUTH BASIN-EASTERN INLET

EPA Method 8290A

Client Data

Name: Enthalpy Analytical
Project: EO-526326
Matrix: Water
Date Collected: 13-Feb-25 08:15

Laboratory Data

Lab Sample: 2502181-02
QC Batch: B25B224
Sample Size: 1.04 L
Date Received: 18-Feb-25 11:30
Date Extracted: 21-Feb-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.72	4.83		22-Feb-25 18:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	51.4	40 - 135		22-Feb-25 18:45	1
37Cl-2,3,7,8-TCDD	CRS	114	40 - 135		22-Feb-25 18:45	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

2502181 2.0C

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:

Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN - WESTERN INLET	13-FEB-2025 09:00	526326-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	
SOUTH BASIN - EASTERN INLET	13-FEB-2025 08:15	526326-002	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	Date: 2/17/25	Date: 02/18/2025
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2502181

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2502181-01	A SOUTH BASIN-WESTERN INLET ☑	526326-001	13-Feb-25 09:00 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2502181-02	A SOUTH BASIN-EASTERN INLET ☑	526326-002	13-Feb-25 08:15 ☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	/		
Sample Container(s) Custody Seals Intact?			/
Custody Seals On Cooler Intact?			/
Adequate Sample Volume?	/		
Container Type Appropriate for Analysis(es)?	/		

Comments:

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: XAO 02/18/25
KBB 02/18/2025

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 527718
Report Level : II
Report Date : 03/14/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Location: PROJ-037507

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #: 527718
Location: PROJ-037507
Date Received: 02/28/25

Sample ID	Lab ID	Collected	Matrix
CACA250228SOUTHBASINDISCHARGE	527718-001	02/28/25 10:00	Water
TRIP BLANK	527718-002	02/28/25 10:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 527718 Location: PROJ-037507 Date Received: 02/28/25

This data package contains sample and QC results for one water sample, requested for the above referenced project on 02/28/25. The sample was received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for MTBE in the MS/MSD for batch 365033; the parent sample was not a project sample, the BS/BSD were within limits, the associated RPD was within limits, and these low recoveries were not associated with any reported results.
- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 625.1):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

PCBs (EPA 8082):

- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 200.7, EPA 200.8, and EPA 245.1):

- High response was observed for antimony in the ICV analyzed 03/03/25 23:14; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- High recovery was observed for antimony in the LCS for batch 364633; this analyte was not detected at or above the RL in the associated sample.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Low recoveries were observed for fluoride in the MS/MSD for batch 364575; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Total Phenolics (EPA 420.1):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 527718

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 10.6 IR-15 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	Quote #:	
Report To:	KATE LOGAN		
Email:	Kate.Logan@WasteConnections.com	Project #:	PROJ-037507
Address:	29201 HENRY MAYO DR	P.O. #:	
	CASTAIC, CA 91384	Address:	
Phone:	682-559-3880	Global ID:	
Fax:		Sampled By:	CH SA

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	200.8 CHROMIUM, ZINC ARSENIC	8260 + Appendix II	RSK-175 CO2, 8260 Acrolein/Acrylonitrile	300.0 NO3, Bromide, Fluoride, SO4	TOC	COD	8270 SIM 1,4-Dioxane	Alk, Bicarb, TDS	Sulfide
1	CACA250228SOUTHBASINDISCHARGE	02/28/25	1000	W	13	2,3,4,5,6	x	x	x	x	x	x	x	x	x
2															
3															
4															
5															
6															
7															
8															
9															
10															

Test Instructions / Comments

Mpars

PH 9.43

Temp 25.2

Login 527718

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Caleb Hevcyk	CTEH	2/28/2025 1415
[1] Received By:				2/28/25 1415
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 527718

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

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2 Day:		1 Day:		Custom TAT:	

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Phone 714-771-6900

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	Quote #:	
Report To:	KATE LOGAN		
Email:	Kate.Logan@WasteConnections.com	Project #:	PROJ-037507
Address:	29201 HENRY MAYO DR	P.O. #:	
	CASTAIC, CA 91384	Address:	
Phone:	682-559-3880	Global ID:	
Fax:		Sampled By:	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	200.8 CHROMIUM, ZINC ARSENIC	625	Ammonia	BOD	8270C + App II, 8081/8082, 8141, 8151, 82	Test Instructions / Comments
1	CACA250228SOUTHBASINDISCHARGE	02/28/25	1000	W	5	2,3,4,5,6	x	x	x	x	x	Subchapter N pH 9.43 Temp 25.2
2												
3												
4												
5												
6												
7												
8												
9												
10												

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Caleb Hercyk	CTEH	2/28/2025 1415
[1] Received By:		Chim	EA	2/28/25 1415
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 527718

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	Quote #:	
Report To:	KATE LOGAN		
Email:	Kate.Logan@WasteConnections.com	Project #:	PROJ-037507
Address:	29201 HENRY MAYO DR	P.O. #:	
	CASTAIC, CA 91384	Address:	
Phone:	682-559-3880	Global ID:	
Fax:		Sampled By:	Z

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	200.8 CHROMIUM, ZINC ARSENIC	8260 + Appendix II[2]	RSK-175 CO2, 8260 Acrolein/Acrylonitrile	8270C + App II, 8081/8082, 8141, 8151, 82	Cyanide	Phenols	Sulfide				Test Instructions / Comments
1	CACA250228SOUTHBASINDISCHARGE	02/28/25	1000	W	7	2,3,4,5,6	x	x	x	x	x	x	x				Appendix II pH 9.43 Temp 25.2
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Caleb Hevyk	CTEH	2/2/2025 1415
[1] Received By:		Ghim	GA	2/28/25 1415
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/28/25 WO# 527718 Client: Chiquita Canyon - Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ■ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/28/25 By (initials) ABD Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0

Cooler Temp (°C) #1: 10.6 / 10.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?		✓	
6) Are sample labels present, legible, and in agreement with the CoC?	✓*		
7) Does the container count match the CoC?		✓	
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.7 ~~4.5) the COC lists 25 containers but we received 29 containers.~~

ocr 4.5) Travel Blank not on COC

* 4.6) One vial had nothing written on the labels; Phenol bottle unlabeled

☐ **No additional discrepancies**

Date Logged 2/28/25 **By (print)** JJP **(sign)** for JJP

Date Labeled 2/28/25 **By (print)** ARA **(sign)** for ARA

ENTHALPY ANALYTICAL

Analysis Results for 527718

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 527718
Location: PROJ-037507
Date Received: 02/28/25

Sample ID: CACA250228SOUTHBASINDISCHARGE **Lab ID:** 527718-001 **Matrix:** Water **Collected:** 02/28/25 10:00

527718-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**100**		mg/L	0.57	0.57	1	364703	03/03/25	03/03/25	CAP
Magnesium	**16**		mg/L	0.10	0.025	1	364703	03/03/25	03/03/25	CAP
Potassium	**14**		mg/L	0.50	0.42	1	364703	03/03/25	03/03/25	CAP
Sodium	**77**		mg/L	0.50	0.34	1	364703	03/03/25	03/03/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**400**		ug/L	100	56	10	364633	03/01/25	03/04/25	DXC
Tin	ND		ug/L	5.0	0.49	1	364633	03/01/25	03/03/25	DXC
Antimony	**1.8**	J,b	ug/L	2.0	0.31	1	364633	03/01/25	03/03/25	DXC
Arsenic	**6.2**		ug/L	2.0	0.22	1	364633	03/01/25	03/03/25	DXC
Barium	**53**		ug/L	5.0	0.46	1	364633	03/01/25	03/03/25	DXC
Beryllium	ND		ug/L	1.0	0.21	1	364633	03/01/25	03/03/25	DXC
Cadmium	ND		ug/L	1.0	0.26	1	364633	03/01/25	03/03/25	DXC
Chromium	**2.6**	J	ug/L	5.0	0.34	1	364633	03/01/25	03/03/25	DXC
Cobalt	**1.9**		ug/L	1.0	0.074	1	364633	03/01/25	03/03/25	DXC
Copper	**4.4**		ug/L	3.0	2.0	1	364633	03/01/25	03/03/25	DXC
Lead	**0.63**	J	ug/L	5.0	0.16	1	364633	03/01/25	03/03/25	DXC
Manganese	**100**		ug/L	10	4.3	1	364633	03/01/25	03/03/25	DXC
Nickel	**5.3**		ug/L	5.0	0.84	1	364633	03/01/25	03/03/25	DXC
Selenium	**1.8**	J	ug/L	2.0	1.6	1	364633	03/01/25	03/03/25	DXC
Silver	ND		ug/L	5.0	0.51	1	364633	03/01/25	03/03/25	DXC
Thallium	ND		ug/L	1.0	0.19	1	364633	03/01/25	03/03/25	DXC
Vanadium	**4.0**	J	ug/L	5.0	0.36	1	364633	03/01/25	03/03/25	DXC
Zinc	**16**		ug/L	10	7.4	1	364633	03/01/25	03/03/25	DXC
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	ND		ug/L	0.40	0.17	1	364710	03/03/25	03/03/25	MLL
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.99**		mg/L	0.20	0.073	1	364575	02/28/25 15:12	03/01/25 00:45	JAA
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	364575	02/28/25 15:12	03/01/25 00:45	JAA
Bromide	**0.61**		mg/L	0.30	0.060	1	364575	02/28/25 15:12	03/01/25 00:45	JAA
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	364575	02/28/25 15:12	03/01/25 00:45	JAA
Sulfate	**230**		mg/L	10	1.8	10	364575	02/28/25 15:12	03/01/25 01:02	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 527718

527718-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**2.0**		mg/L	0.20	0.10	2	365538	03/11/25	03/12/25	JAK
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.011**		mg/L	0.010	0.0047	1	365816	03/13/25	03/13/25	LVL
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	ND		ug/L	47	18	0.94	364652	03/03/25	03/05/25	XLY
Pyridine	ND		ug/L	9.4	3.6	0.94	364652	03/03/25	03/05/25	XLY
Phenol	ND		ug/L	9.4	3.3	0.94	364652	03/03/25	03/05/25	XLY
2-Methylphenol	ND		ug/L	9.4	3.0	0.94	364652	03/03/25	03/05/25	XLY
Naphthalene	ND		ug/L	9.4	2.5	0.94	364652	03/03/25	03/05/25	XLY
Cresol	ND		ug/L	9.4		0.94	364652	03/03/25	03/05/25	XLY
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	1.0	0.3	19	364804	03/04/25	03/05/25	MES
beta-BHC	ND		ug/L	1.0	0.5	19	364804	03/04/25	03/05/25	MES
gamma-BHC	ND		ug/L	1.0	0.4	19	364804	03/04/25	03/05/25	MES
delta-BHC	ND		ug/L	1.0	0.4	19	364804	03/04/25	03/05/25	MES
Heptachlor	ND		ug/L	1.0	0.4	19	364804	03/04/25	03/05/25	MES
Aldrin	ND		ug/L	1.0	0.6	19	364804	03/04/25	03/05/25	MES
Heptachlor epoxide	ND		ug/L	1.0	0.5	19	364804	03/04/25	03/05/25	MES
Endosulfan I	ND		ug/L	1.0	0.5	19	364804	03/04/25	03/05/25	MES
Dieldrin	ND		ug/L	1.9	0.5	19	364804	03/04/25	03/05/25	MES
4,4'-DDE	ND		ug/L	1.9	0.6	19	364804	03/04/25	03/05/25	MES
Endrin	ND		ug/L	1.9	0.5	19	364804	03/04/25	03/05/25	MES
Endosulfan II	ND		ug/L	1.9	0.5	19	364804	03/04/25	03/05/25	MES
Endosulfan sulfate	ND		ug/L	1.9	0.6	19	364804	03/04/25	03/05/25	MES
4,4'-DDD	ND		ug/L	1.9	0.5	19	364804	03/04/25	03/05/25	MES
Endrin aldehyde	ND		ug/L	1.9	0.8	19	364804	03/04/25	03/05/25	MES
Endrin ketone	ND		ug/L	1.9	0.7	19	364804	03/04/25	03/05/25	MES
4,4'-DDT	ND		ug/L	1.9	0.8	19	364804	03/04/25	03/05/25	MES
Methoxychlor	ND		ug/L	1.9	1.0	19	364804	03/04/25	03/05/25	MES
Toxaphene	ND		ug/L	38	5.5	19	364804	03/04/25	03/05/25	MES
Chlordane (Technical)	ND		ug/L	19	2.7	19	364804	03/04/25	03/05/25	MES
Surrogates				**Limits**						
TCMX		DO	%REC	14-120		19	364804	03/04/25	03/05/25	MES
Decachlorobiphenyl		DO	%REC	20-120		19	364804	03/04/25	03/05/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	2.4	1.8	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1221	ND		ug/L	2.4	2.0	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1232	ND		ug/L	2.4	1.7	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1242	ND		ug/L	2.4	1.7	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1248	ND		ug/L	2.4	1.6	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1254	ND		ug/L	2.4	0.87	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1260	ND		ug/L	2.4	2.2	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1262	ND		ug/L	2.4	1.9	4.8	364804	03/04/25	03/05/25	MES
Aroclor-1268	ND		ug/L	2.4	1.2	4.8	364804	03/04/25	03/05/25	MES
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 527718

527718-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl (PCB)	96%		%REC	18-126		4.8	364804	03/04/25	03/05/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.7	1	364694	03/03/25	03/03/25	ZST
Chloroprene	ND		ug/L	200	0.6	1	365033	03/06/25	03/06/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.3	1	364694	03/03/25	03/03/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.3	1	364694	03/03/25	03/03/25	ZST
Ethanol	**1,700**		ug/L	500	250	1	365033	03/06/25	03/06/25	ZST
2-Hexanone	ND		ug/L	5.0	0.8	1	364694	03/03/25	03/03/25	ZST
Isopropanol (IPA)	**120**	J	ug/L	200	64	1	364694	03/03/25	03/03/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.2	1	364694	03/03/25	03/03/25	ZST
Vinyl Acetate	ND		ug/L	50	2.5	1	364694	03/03/25	03/03/25	ZST
Acrolein	ND		ug/L	200	2.2	1	364694	03/03/25	03/03/25	ZST
Acrylonitrile	ND		ug/L	10	0.7	1	364694	03/03/25	03/03/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	364694	03/03/25	03/03/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	364694	03/03/25	03/03/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	364694	03/03/25	03/03/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Iodomethane	ND		ug/L	5.8		1	364694	03/03/25	03/03/25	ZST
Acetone	**130**		ug/L	100	44	1	364694	03/03/25	03/03/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
Methylene Chloride	ND		ug/L	10	3.5	1	364694	03/03/25	03/03/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	364694	03/03/25	03/03/25	ZST
2-Butanone	**28**		ug/L	10	2.3	1	364694	03/03/25	03/03/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	364694	03/03/25	03/03/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	1	364694	03/03/25	03/03/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	364694	03/03/25	03/03/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 527718

527718-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	364694	03/03/25	03/03/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	364694	03/03/25	03/03/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	364694	03/03/25	03/03/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	364694	03/03/25	03/03/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	364694	03/03/25	03/03/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	364694	03/03/25	03/03/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	364694	03/03/25	03/03/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	364694	03/03/25	03/03/25	ZST
para-Isopropyl Toluene	**0.2**	J	ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	364694	03/03/25	03/03/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	364694	03/03/25	03/03/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	364694	03/03/25	03/03/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	364694	03/03/25	03/03/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	364694	03/03/25	03/03/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	364694	03/03/25	03/03/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	364694	03/03/25	03/03/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	364694	03/03/25	03/03/25	ZST
Xylene (total)	ND		ug/L	5.0		1	364694	03/03/25	03/03/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	364694	03/03/25	03/03/25	ZST
1,2-Dichloroethane-d4	105%		%REC	70-130		1	364694	03/03/25	03/03/25	ZST
Toluene-d8	97%		%REC	70-130		1	364694	03/03/25	03/03/25	ZST
Bromofluorobenzene	100%		%REC	70-130		1	364694	03/03/25	03/03/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	9.5	3.5	19	364668	03/02/25	03/03/25	XLY
2-Methylnaphthalene	ND		ug/L	9.5	4.6	19	364668	03/02/25	03/03/25	XLY
Naphthalene	ND		ug/L	9.5	3.9	19	364668	03/02/25	03/03/25	XLY
Acenaphthylene	ND		ug/L	9.5	4.0	19	364668	03/02/25	03/03/25	XLY
Acenaphthene	ND		ug/L	9.5	3.3	19	364668	03/02/25	03/03/25	XLY
Fluorene	ND		ug/L	9.5	3.1	19	364668	03/02/25	03/03/25	XLY
Phenanthrene	ND		ug/L	9.5	3.6	19	364668	03/02/25	03/03/25	XLY
Anthracene	ND		ug/L	9.5	3.4	19	364668	03/02/25	03/03/25	XLY
Fluoranthene	ND		ug/L	9.5	3.3	19	364668	03/02/25	03/03/25	XLY
Pyrene	ND		ug/L	9.5	3.1	19	364668	03/02/25	03/03/25	XLY
Benzo(a)anthracene	ND		ug/L	9.5	2.8	19	364668	03/02/25	03/03/25	XLY
Chrysene	ND		ug/L	9.5	3.1	19	364668	03/02/25	03/03/25	XLY
Benzo(b)fluoranthene	ND		ug/L	9.5	3.1	19	364668	03/02/25	03/03/25	XLY
Benzo(k)fluoranthene	ND		ug/L	9.5	3.1	19	364668	03/02/25	03/03/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 527718

527718-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzo(a)pyrene	ND		ug/L	9.5	2.4	19	364668	03/02/25	03/03/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.5	2.7	19	364668	03/02/25	03/03/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	9.5	3.5	19	364668	03/02/25	03/03/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	9.5	3.8	19	364668	03/02/25	03/03/25	XLY
Surrogates				**Limits**						
Nitrobenzene-d5	49%		%REC	16-125		19	364668	03/02/25	03/03/25	XLY
2-Fluorobiphenyl	54%		%REC	17-120		19	364668	03/02/25	03/03/25	XLY
Terphenyl-d14	68%		%REC	39-123		19	364668	03/02/25	03/03/25	XLY
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	**14**		ug/L	1.0	0.95	1	364667	03/02/25	03/03/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	364667	03/02/25	03/03/25	XLY
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	9.4	2.2	0.94	364652	03/03/25	03/05/25	XLY
N-Nitrosodimethylamine	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
Aniline	ND		ug/L	9.4	4.2	0.94	364652	03/03/25	03/05/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	23	2.9	0.94	364652	03/03/25	03/05/25	XLY
2-Chlorophenol	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
1,3-Dichlorobenzene	ND		ug/L	9.4	3.1	0.94	364652	03/03/25	03/05/25	XLY
1,4-Dichlorobenzene	ND		ug/L	9.4	3.1	0.94	364652	03/03/25	03/05/25	XLY
Benzyl alcohol	ND		ug/L	9.4	5.4	0.94	364652	03/03/25	03/05/25	XLY
1,2-Dichlorobenzene	ND		ug/L	9.4	3.1	0.94	364652	03/03/25	03/05/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
3-,4-Methylphenol	ND		ug/L	9.4	2.5	0.94	364652	03/03/25	03/05/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	9.4	3.6	0.94	364652	03/03/25	03/05/25	XLY
Hexachloroethane	ND		ug/L	9.4	3.6	0.94	364652	03/03/25	03/05/25	XLY
Nitrobenzene	ND		ug/L	23	6.0	0.94	364652	03/03/25	03/05/25	XLY
Isophorone	ND		ug/L	9.4	1.8	0.94	364652	03/03/25	03/05/25	XLY
2-Nitrophenol	ND		ug/L	9.4	5.3	0.94	364652	03/03/25	03/05/25	XLY
2,4-Dimethylphenol	ND		ug/L	9.4	4.1	0.94	364652	03/03/25	03/05/25	XLY
bis(2-Chloroethoxy)methane	ND		ug/L	9.4	2.1	0.94	364652	03/03/25	03/05/25	XLY
2,4-Dichlorophenol	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	9.4	2.4	0.94	364652	03/03/25	03/05/25	XLY
4-Chloroaniline	ND		ug/L	9.4	2.1	0.94	364652	03/03/25	03/05/25	XLY
Hexachlorobutadiene	ND		ug/L	9.4	3.7	0.94	364652	03/03/25	03/05/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
2-Methylnaphthalene	ND		ug/L	9.4	2.3	0.94	364652	03/03/25	03/05/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	23	4.6	0.94	364652	03/03/25	03/05/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	9.4	2.1	0.94	364652	03/03/25	03/05/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
2-Chloronaphthalene	ND		ug/L	9.4	2.3	0.94	364652	03/03/25	03/05/25	XLY
2-Nitroaniline	ND		ug/L	47	3.5	0.94	364652	03/03/25	03/05/25	XLY
Dimethylphthalate	ND		ug/L	9.4	3.0	0.94	364652	03/03/25	03/05/25	XLY
Acenaphthylene	ND		ug/L	9.4	2.1	0.94	364652	03/03/25	03/05/25	XLY
2,6-Dinitrotoluene	ND		ug/L	9.4	3.5	0.94	364652	03/03/25	03/05/25	XLY
3-Nitroaniline	ND		ug/L	9.4	1.7	0.94	364652	03/03/25	03/05/25	XLY
Acenaphthene	ND		ug/L	9.4	2.4	0.94	364652	03/03/25	03/05/25	XLY
2,4-Dinitrophenol	ND		ug/L	47	3.3	0.94	364652	03/03/25	03/05/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 527718

527718-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Nitrophenol	ND		ug/L	9.4	1.4	0.94	364652	03/03/25	03/05/25	XLY
Dibenzofuran	ND		ug/L	9.4	2.1	0.94	364652	03/03/25	03/05/25	XLY
2,4-Dinitrotoluene	ND		ug/L	9.4	2.9	0.94	364652	03/03/25	03/05/25	XLY
Diethylphthalate	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
Fluorene	ND		ug/L	9.4	2.0	0.94	364652	03/03/25	03/05/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	9.4	2.3	0.94	364652	03/03/25	03/05/25	XLY
4-Nitroaniline	ND		ug/L	9.4	2.7	0.94	364652	03/03/25	03/05/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	47	3.0	0.94	364652	03/03/25	03/05/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	9.4	3.7	0.94	364652	03/03/25	03/05/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.4	2.2	0.94	364652	03/03/25	03/05/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	9.4	2.2	0.94	364652	03/03/25	03/05/25	XLY
Hexachlorobenzene	ND		ug/L	9.4	2.3	0.94	364652	03/03/25	03/05/25	XLY
Pentachlorophenol	ND		ug/L	23	2.4	0.94	364652	03/03/25	03/05/25	XLY
Phenanthrene	ND		ug/L	9.4	2.4	0.94	364652	03/03/25	03/05/25	XLY
Anthracene	ND		ug/L	9.4	2.0	0.94	364652	03/03/25	03/05/25	XLY
Di-n-butylphthalate	ND		ug/L	9.4	2.3	0.94	364652	03/03/25	03/05/25	XLY
Fluoranthene	ND		ug/L	9.4	2.5	0.94	364652	03/03/25	03/05/25	XLY
Benzidine	ND		ug/L	47	15	0.94	364652	03/03/25	03/05/25	XLY
Pyrene	ND		ug/L	9.4	2.2	0.94	364652	03/03/25	03/05/25	XLY
Butylbenzylphthalate	ND		ug/L	9.4	2.4	0.94	364652	03/03/25	03/05/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	23	2.7	0.94	364652	03/03/25	03/05/25	XLY
Benzo(a)anthracene	ND		ug/L	9.4	2.0	0.94	364652	03/03/25	03/05/25	XLY
Chrysene	ND		ug/L	9.4	2.4	0.94	364652	03/03/25	03/05/25	XLY
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.4	2.6	0.94	364652	03/03/25	03/05/25	XLY
Di-n-octylphthalate	ND		ug/L	9.4	4.5	0.94	364652	03/03/25	03/05/25	XLY
Benzo(b)fluoranthene	ND		ug/L	9.4	2.2	0.94	364652	03/03/25	03/05/25	XLY
Benzo(k)fluoranthene	ND		ug/L	9.4	2.2	0.94	364652	03/03/25	03/05/25	XLY
Benzo(a)pyrene	ND		ug/L	9.4	2.1	0.94	364652	03/03/25	03/05/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.4	5.1	0.94	364652	03/03/25	03/05/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	9.4	7.1	0.94	364652	03/03/25	03/05/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	9.4	3.3	0.94	364652	03/03/25	03/05/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	28%		%REC	10-140		0.94	364652	03/03/25	03/05/25	XLY
Phenol-d6	18%		%REC	10-140		0.94	364652	03/03/25	03/05/25	XLY
2,4,6-Tribromophenol	56%		%REC	12-140		0.94	364652	03/03/25	03/05/25	XLY
Nitrobenzene-d5	43%		%REC	10-140		0.94	364652	03/03/25	03/05/25	XLY
2-Fluorobiphenyl	40%		%REC	11-140		0.94	364652	03/03/25	03/05/25	XLY
Terphenyl-d14	50%		%REC	20-140		0.94	364652	03/03/25	03/05/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	364900	03/05/25	03/05/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	364627	03/01/25	03/01/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**68**		mg/L	1.0	0.24	1	364825	03/04/25	03/05/25	DXA
Method: SM2130B										
Turbidity	**33**		NTU	0.10	0.009	1	364615	02/28/25 21:44	02/28/25 21:44	ARM

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 527718

527718-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**180**		mg/L	12		5	365009	03/05/25	03/05/25	WWC
Alkalinity, Total as CaCO3	**150**		mg/L	10		5	365009	03/05/25	03/05/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**970**		umhos/cm	1.0		1	365360	03/09/25	03/09/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**680**		mg/L	20		2	365021	03/05/25	03/06/25	RDL
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**84**	BOD3	mg/L	3.0		1	364571	02/28/25 19:15	03/05/25 12:17	AAB
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**210**		mg/L	4.0	1.6	1	365526	03/11/25	03/11/25	DXA

BOD3	Estimated result due to over-depletion
DO	Diluted Out
J	Estimated value
ND	Not Detected
b	See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1234783	Batch: 364703
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1234783 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/03/25	03/03/25
Magnesium	ND		mg/L	0.10	0.025	03/03/25	03/03/25
Potassium	ND		mg/L	0.50	0.42	03/03/25	03/03/25
Sodium	ND		mg/L	0.50	0.34	03/03/25	03/03/25

Type: Lab Control Sample	Lab ID: QC1234784	Batch: 364703
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1234784 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	20.49	20.40	mg/L	100%		85-115
Magnesium	20.56	20.40	mg/L	101%		85-115
Potassium	23.19	24.00	mg/L	97%		85-115
Sodium	20.06	20.40	mg/L	98%		85-115

Type: Matrix Spike	Lab ID: QC1234785	Batch: 364703
Matrix (Source ID): Water (527684-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1234785 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	332.9	316.2	20.40	mg/L	82%	NM	75-125	1
Magnesium	91.97	68.42	20.40	mg/L	115%		75-125	1
Potassium	70.89	46.66	24.00	mg/L	101%		75-125	1
Sodium	146.3	126.7	20.40	mg/L	96%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1234786	Batch: 364703
Matrix (Source ID): Water (527684-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1234786 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	331.9	316.2	20.40	mg/L	77%	NM	75-125	0	20	1
Magnesium	90.02	68.42	20.40	mg/L	106%		75-125	2	20	1
Potassium	69.77	46.66	24.00	mg/L	96%		75-125	2	20	1
Sodium	145.9	126.7	20.40	mg/L	94%	NM	75-125	0	20	1

Type: Serial Dilution	Lab ID: QC1235009	Batch: 364703
Matrix (Source ID): Water (527718-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1235009 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	104.3	101.3	mg/L				5
Magnesium	15.87	15.51	mg/L				5
Potassium	13.82	13.60	mg/L				5
Sodium	80.73	77.20	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1234483	Batch: 364633
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1234483 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.7	03/01/25	03/03/25
Tin	ND		ug/L	5.0	0.50	03/01/25	03/03/25
Antimony	ND		ug/L	2.0	0.31	03/01/25	03/03/25
Arsenic	ND		ug/L	2.0	0.38	03/01/25	03/03/25
Barium	ND		ug/L	5.0	0.46	03/01/25	03/03/25
Beryllium	ND		ug/L	1.0	0.21	03/01/25	03/03/25
Cadmium	ND		ug/L	1.0	0.095	03/01/25	03/03/25
Chromium	ND		ug/L	5.0	0.24	03/01/25	03/03/25
Cobalt	ND		ug/L	1.0	0.10	03/01/25	03/03/25
Copper	ND		ug/L	3.0	2.0	03/01/25	03/03/25
Lead	ND		ug/L	5.0	0.18	03/01/25	03/03/25
Manganese	ND		ug/L	10	3.4	03/01/25	03/03/25
Nickel	ND		ug/L	5.0	0.74	03/01/25	03/03/25
Selenium	ND		ug/L	2.0	1.6	03/01/25	03/03/25
Silver	ND		ug/L	5.0	0.63	03/01/25	03/03/25
Thallium	ND		ug/L	1.0	0.20	03/01/25	03/03/25
Vanadium	ND		ug/L	5.0	0.26	03/01/25	03/03/25
Zinc	ND		ug/L	10	7.4	03/01/25	03/03/25

Type: Lab Control Sample	Lab ID: QC1234484	Batch: 364633
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1234484 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	89.69	100.0	ug/L	90%		85-115
Tin	97.09	100.0	ug/L	97%		85-115
Antimony	118.1	100.0	ug/L	118%	*	85-115
Arsenic	100.2	100.0	ug/L	100%		85-115
Barium	100.5	100.0	ug/L	100%		85-115
Beryllium	100.8	100.0	ug/L	101%		85-115
Cadmium	105.7	100.0	ug/L	106%		85-115
Chromium	106.0	100.0	ug/L	106%		85-115
Cobalt	112.1	100.0	ug/L	112%		85-115
Copper	107.3	100.0	ug/L	107%		85-115
Lead	103.7	100.0	ug/L	104%		85-115
Manganese	105.7	100.0	ug/L	106%		85-115
Nickel	111.0	100.0	ug/L	111%		85-115
Selenium	97.50	100.0	ug/L	97%		85-115
Silver	49.72	50.00	ug/L	99%		85-115
Thallium	102.7	100.0	ug/L	103%		85-115
Vanadium	106.0	100.0	ug/L	106%		85-115
Zinc	102.4	100.0	ug/L	102%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1234485	Batch:	364633
Matrix (Source ID):	Water (527543-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1234485 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	262.5	167.5	100.0	ug/L	95%	E,NM	70-130	1
Tin	101.8	1.010	100.0	ug/L	101%		70-130	1
Antimony	125.4	0.5060	100.0	ug/L	125%	b	70-130	1
Arsenic	107.5	3.266	100.0	ug/L	104%		70-130	1
Barium	260.2	166.2	100.0	ug/L	94%		70-130	1
Beryllium	99.43	ND	100.0	ug/L	99%		70-130	1
Cadmium	102.4	0.4201	100.0	ug/L	102%		70-130	1
Chromium	103.9	3.079	100.0	ug/L	101%		70-130	1
Cobalt	111.8	0.5640	100.0	ug/L	111%		70-130	1
Copper	110.2	7.520	100.0	ug/L	103%		70-130	1
Lead	104.3	1.135	100.0	ug/L	103%		70-130	1
Manganese	184.9	89.41	100.0	ug/L	96%		70-130	1
Nickel	105.3	1.828	100.0	ug/L	104%		70-130	1
Selenium	101.3	3.216	100.0	ug/L	98%		70-130	1
Silver	48.74	ND	50.00	ug/L	97%		70-130	1
Thallium	104.6	ND	100.0	ug/L	105%		70-130	1
Vanadium	109.5	7.036	100.0	ug/L	102%		70-130	1
Zinc	131.9	30.68	100.0	ug/L	101%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1234486	Batch:	364633
Matrix (Source ID):	Water (527543-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1234486 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	273.5	167.5	100.0	ug/L	106%	E,NM	70-130		20	1
Tin	100.7	1.010	100.0	ug/L	100%		70-130	1	20	1
Antimony	123.8	0.5060	100.0	ug/L	123%	b	70-130	1	20	1
Arsenic	106.4	3.266	100.0	ug/L	103%		70-130	1	20	1
Barium	256.6	166.2	100.0	ug/L	90%		70-130	1	20	1
Beryllium	100.4	ND	100.0	ug/L	100%		70-130	1	20	1
Cadmium	99.05	0.4201	100.0	ug/L	99%		70-130	3	20	1
Chromium	102.8	3.079	100.0	ug/L	100%		70-130	1	20	1
Cobalt	121.9	0.5640	100.0	ug/L	121%		70-130	9	20	1
Copper	109.7	7.520	100.0	ug/L	102%		70-130	0	20	1
Lead	100.6	1.135	100.0	ug/L	100%		70-130	4	20	1
Manganese	187.2	89.41	100.0	ug/L	98%		70-130	1	20	1
Nickel	103.4	1.828	100.0	ug/L	102%		70-130	2	20	1
Selenium	101.3	3.216	100.0	ug/L	98%		70-130	0	20	1
Silver	47.14	ND	50.00	ug/L	94%		70-130	3	20	1
Thallium	99.94	ND	100.0	ug/L	100%		70-130	5	20	1
Vanadium	108.5	7.036	100.0	ug/L	101%		70-130	1	20	1
Zinc	129.4	30.68	100.0	ug/L	99%		70-130	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1234810	Batch: 364710
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1234810 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	03/03/25	03/03/25

Type: Lab Control Sample	Lab ID: QC1234811	Batch: 364710
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1234811 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.098	5.000	ug/L	102%		85-115

Type: Matrix Spike	Lab ID: QC1234812	Batch: 364710
Matrix (Source ID): Water (527754-002)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1234812 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1,011	ND	1000	ug/L	101%		75-125	200

Type: Matrix Spike Duplicate	Lab ID: QC1234813	Batch: 364710
Matrix (Source ID): Water (527754-002)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1234813 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1,050	ND	1000	ug/L	105%		75-125	4	20	200

Type: Blank	Lab ID: QC1234282	Batch: 364575
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1234282 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	02/28/25 15:12	02/28/25 16:32
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/28/25 15:12	02/28/25 16:32
Bromide	ND		mg/L	0.30	0.060	02/28/25 15:12	02/28/25 16:32
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/28/25 15:12	02/28/25 16:32
Sulfate	ND		mg/L	1.0	0.18	02/28/25 15:12	02/28/25 16:32

Type: Lab Control Sample	Lab ID: QC1234283	Batch: 364575
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1234283 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.249	10.00	mg/L	92%		90-110
Nitrogen, Nitrite	4.542	4.567	mg/L	99%		90-110
Bromide	14.71	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.397	4.518	mg/L	97%		90-110
Sulfate	24.19	25.00	mg/L	97%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1234284	Batch:	364575
Matrix (Source ID):	Water (527622-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1234284 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.17	0.1119	20.00	mg/L	95%		80-120	1
Nitrogen, Nitrite	9.030	ND	9.134	mg/L	99%		80-120	1
Bromide	14.41	ND	15.00	mg/L	96%		80-120	1
Nitrogen, Nitrate	9.093	0.3313	9.036	mg/L	97%		80-120	1
Sulfate	50.32	1.508	50.00	mg/L	98%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1234285	Batch:	364575
Matrix (Source ID):	Water (527622-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1234285 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.36	0.1119	20.00	mg/L	96%		80-120	1	20	1
Nitrogen, Nitrite	9.137	ND	9.134	mg/L	100%		80-120	1	20	1
Bromide	14.53	ND	15.00	mg/L	97%		80-120	1	20	1
Nitrogen, Nitrate	9.164	0.3313	9.036	mg/L	98%		80-120	1	20	1
Sulfate	50.74	1.508	50.00	mg/L	98%		80-120	1	20	1

Type:	Matrix Spike	Lab ID:	QC1234287	Batch:	364575
Matrix (Source ID):	Water (527553-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1234287 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	13.46	0.09854	20.00	mg/L	67%	*	80-120	1
Nitrogen, Nitrite	8.905	ND	9.134	mg/L	97%		80-120	1
Bromide	14.31	0.2078	15.00	mg/L	94%		80-120	1
Nitrogen, Nitrate	8.356	ND	9.036	mg/L	92%		80-120	1
Sulfate	64.69	15.87	50.00	mg/L	98%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1234288	Batch:	364575
Matrix (Source ID):	Water (527553-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1234288 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	13.43	0.09854	20.00	mg/L	67%	*	80-120	0	20	1
Nitrogen, Nitrite	8.882	ND	9.134	mg/L	97%		80-120	0	20	1
Bromide	14.23	0.2078	15.00	mg/L	94%		80-120	0	20	1
Nitrogen, Nitrate	8.317	ND	9.036	mg/L	92%		80-120	0	20	1
Sulfate	64.40	15.87	50.00	mg/L	97%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1237710	Batch: 365538
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1237710 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9870	1.000	mg/L	99%		90-110

Type: Blank	Lab ID: QC1237711	Batch: 365538
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1237711 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/11/25	03/12/25

Type: Matrix Spike	Lab ID: QC1237813	Batch: 365538
Matrix (Source ID): Water (527400-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1237813 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.110	0.2064	1.000	mg/L	90%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1237814	Batch: 365538
Matrix (Source ID): Water (527400-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1237814 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.153	0.2064	1.000	mg/L	95%		90-110	4	20	1

Type: Matrix Spike	Lab ID: QC1237815	Batch: 365538
Matrix (Source ID): Water (527400-003)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1237815 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.218	0.2397	1.000	mg/L	98%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1237816	Batch: 365538
Matrix (Source ID): Water (527400-003)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1237816 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.248	0.2397	1.000	mg/L	101%		90-110	2	20	1

Type: Blank	Lab ID: QC1238843	Batch: 365816
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1238843 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	03/13/25	03/13/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1238844	**Batch:** 365816
Matrix: Water	**Method:** EPA 420.1	**Prep Method:** METHOD

QC1238844 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.06800	0.08000	mg/L	85%		80-120

Type: Lab Control Sample Duplicate	**Lab ID:** QC1238845	**Batch:** 365816
Matrix: Water	**Method:** EPA 420.1	**Prep Method:** METHOD

QC1238845 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.07100	0.08000	mg/L	89%		80-120	4	20

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Batch QC

Type: Blank	Lab ID: QC1234589	Batch: 364652
Matrix: Water		

QC1234589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 625.1 Prep Method: EPA 3510C							
Benzoic acid	ND		ug/L	50	19	03/02/25	03/02/25
Pyridine	ND		ug/L	10	3.9	03/02/25	03/02/25
Phenol	ND		ug/L	10	3.5	03/02/25	03/02/25
2-Methylphenol	ND		ug/L	10	3.2	03/02/25	03/02/25
Naphthalene	ND		ug/L	10	2.7	03/02/25	03/02/25
Cresol	ND		ug/L	10		03/02/25	03/02/25
Method: EPA 8270C Prep Method: EPA 3510C							
Carbazole	ND		ug/L	10	2.3	03/02/25	03/02/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	03/02/25	03/02/25
Aniline	ND		ug/L	10	4.5	03/02/25	03/02/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.1	03/02/25	03/02/25
2-Chlorophenol	ND		ug/L	10	2.8	03/02/25	03/02/25
1,3-Dichlorobenzene	ND		ug/L	10	3.3	03/02/25	03/02/25
1,4-Dichlorobenzene	ND		ug/L	10	3.3	03/02/25	03/02/25
Benzyl alcohol	ND		ug/L	10	5.8	03/02/25	03/02/25
1,2-Dichlorobenzene	ND		ug/L	10	3.3	03/02/25	03/02/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	2.8	03/02/25	03/02/25
3-,4-Methylphenol	ND		ug/L	10	2.6	03/02/25	03/02/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	3.9	03/02/25	03/02/25
Hexachloroethane	ND		ug/L	10	3.8	03/02/25	03/02/25
Nitrobenzene	ND		ug/L	25	6.4	03/02/25	03/02/25
Isophorone	ND		ug/L	10	1.9	03/02/25	03/02/25
2-Nitrophenol	ND		ug/L	10	5.6	03/02/25	03/02/25
2,4-Dimethylphenol	ND		ug/L	10	4.4	03/02/25	03/02/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	2.3	03/02/25	03/02/25
2,4-Dichlorophenol	ND		ug/L	10	2.7	03/02/25	03/02/25
1,2,4-Trichlorobenzene	ND		ug/L	10	2.6	03/02/25	03/02/25
4-Chloroaniline	ND		ug/L	10	2.3	03/02/25	03/02/25
Hexachlorobutadiene	ND		ug/L	10	4.0	03/02/25	03/02/25
4-Chloro-3-methylphenol	ND		ug/L	10	2.7	03/02/25	03/02/25
2-Methylnaphthalene	ND		ug/L	10	2.4	03/02/25	03/02/25
Hexachlorocyclopentadiene	ND		ug/L	25	4.9	03/02/25	03/02/25
2,4,6-Trichlorophenol	ND		ug/L	10	2.2	03/02/25	03/02/25
2,4,5-Trichlorophenol	ND		ug/L	10	2.7	03/02/25	03/02/25
2-Chloronaphthalene	ND		ug/L	10	2.4	03/02/25	03/02/25
2-Nitroaniline	ND		ug/L	50	3.7	03/02/25	03/02/25
Dimethylphthalate	ND		ug/L	10	3.1	03/02/25	03/02/25
Acenaphthylene	ND		ug/L	10	2.2	03/02/25	03/02/25
2,6-Dinitrotoluene	ND		ug/L	10	3.7	03/02/25	03/02/25
3-Nitroaniline	ND		ug/L	10	1.8	03/02/25	03/02/25
Acenaphthene	ND		ug/L	10	2.6	03/02/25	03/02/25
2,4-Dinitrophenol	ND		ug/L	50	3.5	03/02/25	03/02/25
4-Nitrophenol	ND		ug/L	10	1.5	03/02/25	03/02/25
Dibenzofuran	ND		ug/L	10	2.2	03/02/25	03/02/25

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Batch QC

QC1234589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
2,4-Dinitrotoluene	ND		ug/L	10	3.1	03/02/25	03/02/25
Diethylphthalate	ND		ug/L	10	2.8	03/02/25	03/02/25
Fluorene	ND		ug/L	10	2.1	03/02/25	03/02/25
4-Chlorophenyl-phenylether	ND		ug/L	10	2.4	03/02/25	03/02/25
4-Nitroaniline	ND		ug/L	10	2.8	03/02/25	03/02/25
4,6-Dinitro-2-methylphenol	ND		ug/L	50	3.2	03/02/25	03/02/25
N-Nitrosodiphenylamine	ND		ug/L	10	3.9	03/02/25	03/02/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	2.3	03/02/25	03/02/25
4-Bromophenyl-phenylether	ND		ug/L	10	2.3	03/02/25	03/02/25
Hexachlorobenzene	ND		ug/L	10	2.4	03/02/25	03/02/25
Pentachlorophenol	ND		ug/L	25	2.6	03/02/25	03/02/25
Phenanthrene	ND		ug/L	10	2.6	03/02/25	03/02/25
Anthracene	ND		ug/L	10	2.1	03/02/25	03/02/25
Di-n-butylphthalate	ND		ug/L	10	2.4	03/02/25	03/02/25
Fluoranthene	ND		ug/L	10	2.6	03/02/25	03/02/25
Benzidine	ND		ug/L	50	16	03/02/25	03/02/25
Pyrene	ND		ug/L	10	2.4	03/02/25	03/02/25
Butylbenzylphthalate	ND		ug/L	10	2.6	03/02/25	03/02/25
3,3'-Dichlorobenzidine	ND		ug/L	25	2.9	03/02/25	03/02/25
Benzo(a)anthracene	ND		ug/L	10	2.1	03/02/25	03/02/25
Chrysene	ND		ug/L	10	2.5	03/02/25	03/02/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	2.8	03/02/25	03/02/25
Di-n-octylphthalate	ND		ug/L	10	4.8	03/02/25	03/02/25
Benzo(b)fluoranthene	ND		ug/L	10	2.3	03/02/25	03/02/25
Benzo(k)fluoranthene	ND		ug/L	10	2.4	03/02/25	03/02/25
Benzo(a)pyrene	ND		ug/L	10	2.2	03/02/25	03/02/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	5.4	03/02/25	03/02/25
Dibenz(a,h)anthracene	ND		ug/L	10	7.5	03/02/25	03/02/25
Benzo(g,h,i)perylene	ND		ug/L	10	3.5	03/02/25	03/02/25
Surrogates				**Limits**			
2-Fluorophenol	44%		%REC	20-140		03/02/25	03/02/25
Phenol-d6	28%		%REC	20-140		03/02/25	03/02/25
2,4,6-Tribromophenol	53%		%REC	20-140		03/02/25	03/02/25
Nitrobenzene-d5	66%		%REC	20-140		03/02/25	03/02/25
2-Fluorobiphenyl	66%		%REC	20-140		03/02/25	03/02/25
Terphenyl-d14	72%		%REC	20-140		03/02/25	03/02/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1234590	Batch: 364652
Matrix: Water		

QC1234590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Method: EPA 625.1 Prep Method: EPA 3510C						
Phenol	25.41	75.00	ug/L	34%		13-120
Method: EPA 8270C Prep Method: EPA 3510C						
2-Chlorophenol	49.39	75.00	ug/L	66%		31-120
1,4-Dichlorobenzene	43.74	75.00	ug/L	58%		24-120
3-,4-Methylphenol	46.87	75.00	ug/L	62%		29-120
N-Nitroso-di-n-propylamine	58.53	75.00	ug/L	78%		32-120
2,4-Dimethylphenol	50.39	75.00	ug/L	67%		25-120
1,2,4-Trichlorobenzene	46.80	75.00	ug/L	62%		26-120
4-Chloro-3-methylphenol	58.61	75.00	ug/L	78%		39-120
2,4,5-Trichlorophenol	54.64	75.00	ug/L	73%		38-120
Acenaphthene	54.66	75.00	ug/L	73%		33-120
4-Nitrophenol	26.98	75.00	ug/L	36%		12-120
2,4-Dinitrotoluene	61.63	75.00	ug/L	82%		46-120
Pentachlorophenol	46.45	75.00	ug/L	62%		37-120
Pyrene	58.08	75.00	ug/L	77%		47-120
Chrysene	59.64	75.00	ug/L	80%		48-120
Benzo(b)fluoranthene	55.98	75.00	ug/L	75%		46-120
Surrogates						
2-Fluorophenol	18.71	40.00	ug/L	47%		20-140
Phenol-d6	13.02	40.00	ug/L	33%		20-140
2,4,6-Tribromophenol	35.56	40.00	ug/L	89%		20-140
Nitrobenzene-d5	29.15	40.00	ug/L	73%		20-140
2-Fluorobiphenyl	28.15	40.00	ug/L	70%		20-140
Terphenyl-d14	32.46	40.00	ug/L	81%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate **Lab ID:** QC1234591 **Batch:** 364652
Matrix: Water

QC1234591 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Method: EPA 625.1 Prep Method: EPA 3510C								
Phenol	21.98	75.00	ug/L	29%		13-120	14	62
Method: EPA 8270C Prep Method: EPA 3510C								
2-Chlorophenol	45.45	75.00	ug/L	61%		31-120	8	62
1,4-Dichlorobenzene	41.60	75.00	ug/L	55%		24-120	5	64
3-,4-Methylphenol	42.73	75.00	ug/L	57%		29-120	9	62
N-Nitroso-di-n-propylamine	52.98	75.00	ug/L	71%		32-120	10	65
2,4-Dimethylphenol	46.90	75.00	ug/L	63%		25-120	7	64
1,2,4-Trichlorobenzene	43.83	75.00	ug/L	58%		26-120	7	63
4-Chloro-3-methylphenol	58.79	75.00	ug/L	78%		39-120	0	58
2,4,5-Trichlorophenol	60.63	75.00	ug/L	81%		38-120	10	59
Acenaphthene	52.78	75.00	ug/L	70%		33-120	4	52
4-Nitrophenol	23.73	75.00	ug/L	32%		12-120	13	63
2,4-Dinitrotoluene	60.45	75.00	ug/L	81%		46-120	2	41
Pentachlorophenol	44.96	75.00	ug/L	60%		37-120	3	42
Pyrene	53.78	75.00	ug/L	72%		47-120	8	43
Chrysene	58.06	75.00	ug/L	77%		48-120	3	46
Benzo(b)fluoranthene	59.16	75.00	ug/L	79%		46-120	6	47
Surrogates								
2-Fluorophenol	16.40	40.00	ug/L	41%		20-140		
Phenol-d6	11.19	40.00	ug/L	28%		20-140		
2,4,6-Tribromophenol	31.80	40.00	ug/L	79%		20-140		
Nitrobenzene-d5	26.10	40.00	ug/L	65%		20-140		
2-Fluorobiphenyl	30.42	40.00	ug/L	76%		20-140		
Terphenyl-d14	27.95	40.00	ug/L	70%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1235091	Batch: 364804
Matrix: Water		

QC1235091 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	03/04/25	03/05/25
beta-BHC	ND		ug/L	0.05	0.03	03/04/25	03/05/25
gamma-BHC	ND		ug/L	0.05	0.02	03/04/25	03/05/25
delta-BHC	ND		ug/L	0.05	0.02	03/04/25	03/05/25
Heptachlor	ND		ug/L	0.05	0.02	03/04/25	03/05/25
Aldrin	ND		ug/L	0.05	0.03	03/04/25	03/05/25
Heptachlor epoxide	ND		ug/L	0.05	0.03	03/04/25	03/05/25
Endosulfan I	ND		ug/L	0.05	0.03	03/04/25	03/05/25
Dieldrin	ND		ug/L	0.1	0.03	03/04/25	03/05/25
4,4'-DDE	ND		ug/L	0.1	0.03	03/04/25	03/05/25
Endrin	ND		ug/L	0.1	0.03	03/04/25	03/05/25
Endosulfan II	ND		ug/L	0.1	0.03	03/04/25	03/05/25
Endosulfan sulfate	ND		ug/L	0.1	0.03	03/04/25	03/05/25
4,4'-DDD	ND		ug/L	0.1	0.02	03/04/25	03/05/25
Endrin aldehyde	ND		ug/L	0.1	0.04	03/04/25	03/05/25
Endrin ketone	ND		ug/L	0.1	0.04	03/04/25	03/05/25
4,4'-DDT	ND		ug/L	0.1	0.04	03/04/25	03/05/25
Methoxychlor	ND		ug/L	0.1	0.05	03/04/25	03/05/25
Toxaphene	ND		ug/L	2.0	0.3	03/04/25	03/05/25
Chlordane (Technical)	ND		ug/L	1.0	0.1	03/04/25	03/05/25
Surrogates				**Limits**			
TCMX	71%		%REC	14-120		03/04/25	03/05/25
Decachlorobiphenyl	102%		%REC	20-120		03/04/25	03/05/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	03/04/25	03/05/25
Aroclor-1221	ND		ug/L	0.50	0.41	03/04/25	03/05/25
Aroclor-1232	ND		ug/L	0.50	0.36	03/04/25	03/05/25
Aroclor-1242	ND		ug/L	0.50	0.35	03/04/25	03/05/25
Aroclor-1248	ND		ug/L	0.50	0.34	03/04/25	03/05/25
Aroclor-1254	ND		ug/L	0.50	0.18	03/04/25	03/05/25
Aroclor-1260	ND		ug/L	0.50	0.45	03/04/25	03/05/25
Aroclor-1262	ND		ug/L	0.50	0.39	03/04/25	03/05/25
Aroclor-1268	ND		ug/L	0.50	0.25	03/04/25	03/05/25
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	93%		%REC	18-126		03/04/25	03/05/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1235092**	**Batch: 364804**
Matrix: Water	**Method: EPA 8081A**	**Prep Method: EPA 3510C**

QC1235092 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5364	0.5000	ug/L	107%		53-120
beta-BHC	0.5452	0.5000	ug/L	109%	#	59-120
gamma-BHC	0.5075	0.5000	ug/L	101%		54-120
delta-BHC	0.4956	0.5000	ug/L	99%		58-120
Heptachlor	0.4957	0.5000	ug/L	99%	#	49-120
Aldrin	0.4064	0.5000	ug/L	81%		47-120
Heptachlor epoxide	0.4873	0.5000	ug/L	97%		53-120
Endosulfan I	0.5089	0.5000	ug/L	102%		56-120
Dieldrin	0.4608	0.5000	ug/L	92%		55-120
4,4'-DDE	0.5124	0.5000	ug/L	102%		55-120
Endrin	0.5147	0.5000	ug/L	103%	#	57-120
Endosulfan II	0.5186	0.5000	ug/L	104%		58-120
Endosulfan sulfate	0.4929	0.5000	ug/L	99%		56-120
4,4'-DDD	0.4696	0.5000	ug/L	94%		53-120
Endrin aldehyde	0.5012	0.5000	ug/L	100%		45-120
Endrin ketone	0.5204	0.5000	ug/L	104%		61-120
4,4'-DDT	0.5341	0.5000	ug/L	107%	#	58-120
Methoxychlor	0.4991	0.5000	ug/L	100%		54-120
Surrogates						
TCMX	0.3699	0.5000	ug/L	74%		14-120
Decachlorobiphenyl	0.4764	0.5000	ug/L	95%		20-120

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1235093	Batch:	364804
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1235093 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.5864	0.5000	ug/L	117%		53-120	9	20
beta-BHC	0.5732	0.5000	ug/L	115%	#	59-120	5	20
gamma-BHC	0.5389	0.5000	ug/L	108%		54-120	6	20
delta-BHC	0.5303	0.5000	ug/L	106%		58-120	7	20
Heptachlor	0.5428	0.5000	ug/L	109%	#	49-120	9	20
Aldrin	0.4499	0.5000	ug/L	90%		47-120	10	20
Heptachlor epoxide	0.5323	0.5000	ug/L	106%		53-120	9	20
Endosulfan I	0.5539	0.5000	ug/L	111%		56-120	8	20
Dieldrin	0.5121	0.5000	ug/L	102%		55-120	11	20
4,4'-DDE	0.5706	0.5000	ug/L	114%		55-120	11	20
Endrin	0.5608	0.5000	ug/L	112%	#	57-120	9	20
Endosulfan II	0.5588	0.5000	ug/L	112%		58-120	7	20
Endosulfan sulfate	0.5245	0.5000	ug/L	105%		56-120	6	20
4,4'-DDD	0.5030	0.5000	ug/L	101%		53-120	7	20
Endrin aldehyde	0.5293	0.5000	ug/L	106%		45-120	5	20
Endrin ketone	0.5530	0.5000	ug/L	111%		61-120	6	20
4,4'-DDT	0.5865	0.5000	ug/L	117%	#	58-120	9	20
Methoxychlor	0.5309	0.5000	ug/L	106%		54-120	6	20
Surrogates								
TCMX	0.3841	0.5000	ug/L	77%		14-120		
Decachlorobiphenyl	0.4936	0.5000	ug/L	99%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1235094	Batch:	364804
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1235094 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.616	5.000	ug/L	92%		36-143
Aroclor-1260	4.899	5.000	ug/L	98%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4789	0.5000	ug/L	96%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1235095	Batch:	364804
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1235095 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.426	5.000	ug/L	89%		36-143	4	39
Aroclor-1260	4.696	5.000	ug/L	94%		31-153	4	20
Surrogates								
Decachlorobiphenyl (PCB)	0.4687	0.5000	ug/L	94%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1234742	**Batch:** 364694	
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B	

QC1234742 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.7	03/03/25	03/03/25
3-Chloropropene	ND		ug/L	5.0	0.3	03/03/25	03/03/25
Ethyl methacrylate	ND		ug/L	50	1.3	03/03/25	03/03/25
Ethanol	ND		ug/L	500	250	03/03/25	03/03/25
2-Hexanone	ND		ug/L	5.0	0.8	03/03/25	03/03/25
Isopropanol (IPA)	ND		ug/L	200	64	03/03/25	03/03/25
Methyl acrylonitrile	ND		ug/L	35	2.2	03/03/25	03/03/25
Vinyl Acetate	ND		ug/L	50	2.5	03/03/25	03/03/25
Acrolein	ND		ug/L	200	2.2	03/03/25	03/03/25
Acrylonitrile	ND		ug/L	10	0.7	03/03/25	03/03/25
Freon 12	ND		ug/L	5.0	0.3	03/03/25	03/03/25
Chloromethane	ND		ug/L	5.0	0.4	03/03/25	03/03/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Bromomethane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Chloroethane	ND		ug/L	5.0	0.3	03/03/25	03/03/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Iodomethane	ND		ug/L	5.8		03/03/25	03/03/25
Acetone	ND		ug/L	100	44	03/03/25	03/03/25
Freon 113	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
Methylene Chloride	ND		ug/L	10	3.5	03/03/25	03/03/25
MTBE	ND		ug/L	5.0	0.1	03/03/25	03/03/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	03/03/25	03/03/25
2-Butanone	ND		ug/L	10	2.3	03/03/25	03/03/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Chloroform	ND		ug/L	5.0	0.1	03/03/25	03/03/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	03/03/25	03/03/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/03/25	03/03/25
Benzene	ND		ug/L	1.0	0.1	03/03/25	03/03/25
Trichloroethene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/03/25	03/03/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/03/25	03/03/25
Dibromomethane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	03/03/25	03/03/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Toluene	ND		ug/L	5.0	0.3	03/03/25	03/03/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/03/25	03/03/25
Tetrachloroethene	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	03/03/25	03/03/25

ENTHALPY ANALYTICAL

Batch QC

QC1234742 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Ethylbenzene	ND		ug/L	5.0	0.07	03/03/25	03/03/25
m,p-Xylenes	ND		ug/L	5.0	0.1	03/03/25	03/03/25
o-Xylene	ND		ug/L	5.0	0.09	03/03/25	03/03/25
Styrene	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Bromoform	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/03/25	03/03/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Propylbenzene	ND		ug/L	5.0	0.09	03/03/25	03/03/25
Bromobenzene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	03/03/25	03/03/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	03/03/25	03/03/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	03/03/25	03/03/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	03/03/25	03/03/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/03/25	03/03/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/03/25	03/03/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	03/03/25	03/03/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/03/25	03/03/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	03/03/25	03/03/25
Naphthalene	ND		ug/L	5.0	0.5	03/03/25	03/03/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/03/25	03/03/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	03/03/25	03/03/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/03/25	03/03/25
Xylene (total)	ND		ug/L	5.0		03/03/25	03/03/25
Surrogates				**Limits**			
Dibromofluoromethane	107%		%REC	70-130		03/03/25	03/03/25
1,2-Dichloroethane-d4	100%		%REC	70-130		03/03/25	03/03/25
Toluene-d8	98%		%REC	70-130		03/03/25	03/03/25
Bromofluorobenzene	104%		%REC	70-130		03/03/25	03/03/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1234743	Batch: 364694
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1234743 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	60.03	50.00	ug/L	120%		70-135
MTBE	49.22	50.00	ug/L	98%		70-130
Benzene	48.13	50.00	ug/L	96%		70-130
Trichloroethene	52.80	50.00	ug/L	106%		70-130
Toluene	48.85	50.00	ug/L	98%		70-130
Chlorobenzene	50.00	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	53.20	50.00	ug/L	106%		70-130
1,2-Dichloroethane-d4	49.95	50.00	ug/L	100%		70-130
Toluene-d8	48.11	50.00	ug/L	96%		70-130
Bromofluorobenzene	48.67	50.00	ug/L	97%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1234744	Batch: 364694
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1234744 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	57.85	50.00	ug/L	116%		70-135	4	30
MTBE	48.08	50.00	ug/L	96%		70-130	2	30
Benzene	47.11	50.00	ug/L	94%		70-130	2	30
Trichloroethene	48.45	50.00	ug/L	97%		70-130	9	30
Toluene	46.30	50.00	ug/L	93%		70-130	5	30
Chlorobenzene	47.35	50.00	ug/L	95%		70-130	5	30
Surrogates								
Dibromofluoromethane	54.97	50.00	ug/L	110%		70-130		
1,2-Dichloroethane-d4	51.08	50.00	ug/L	102%		70-130		
Toluene-d8	48.59	50.00	ug/L	97%		70-130		
Bromofluorobenzene	48.27	50.00	ug/L	97%		70-130		

Type: Matrix Spike	Lab ID: QC1234851	Batch: 364694
Matrix (Source ID): Water (527262-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1234851 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.83	ND	20.00	ug/L	104%		70-130	1
MTBE	19.21	ND	20.00	ug/L	96%		75-130	1
Benzene	17.31	ND	20.00	ug/L	87%		70-130	1
Trichloroethene	17.91	ND	20.00	ug/L	90%		63-130	1
Toluene	17.82	ND	20.00	ug/L	89%		70-130	1
Chlorobenzene	18.72	ND	20.00	ug/L	94%		70-130	1
Surrogates								
Dibromofluoromethane	53.58		50.00	ug/L	107%		70-130	1
1,2-Dichloroethane-d4	51.84		50.00	ug/L	104%		70-130	1
Toluene-d8	49.25		50.00	ug/L	99%		70-130	1
Bromofluorobenzene	50.76		50.00	ug/L	102%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1234852	Batch:	364694
Matrix (Source ID):	Water (527262-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1234852 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	18.56	ND	20.00	ug/L	93%		70-130	12	30	1
MTBE	16.39	ND	20.00	ug/L	82%		75-130	16	30	1
Benzene	15.08	ND	20.00	ug/L	75%		70-130	14	30	1
Trichloroethene	15.93	ND	20.00	ug/L	80%		63-130	12	30	1
Toluene	15.01	ND	20.00	ug/L	75%		70-130	17	30	1
Chlorobenzene	15.65	ND	20.00	ug/L	78%		70-130	18	30	1
Surrogates										
Dibromofluoromethane	53.75		50.00	ug/L	108%		70-130			1
1,2-Dichloroethane-d4	51.85		50.00	ug/L	104%		70-130			1
Toluene-d8	48.45		50.00	ug/L	97%		70-130			1
Bromofluorobenzene	49.03		50.00	ug/L	98%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1235883	Batch:	365033
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1235883 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.72	50.00	ug/L	105%		70-135
MTBE	46.36	50.00	ug/L	93%		70-130
Benzene	47.86	50.00	ug/L	96%		70-130
Trichloroethene	49.76	50.00	ug/L	100%		70-130
Toluene	47.48	50.00	ug/L	95%		70-130
Chlorobenzene	49.94	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	52.48	50.00	ug/L	105%		70-130
1,2-Dichloroethane-d4	49.16	50.00	ug/L	98%		70-130
Toluene-d8	48.97	50.00	ug/L	98%		70-130
Bromofluorobenzene	48.84	50.00	ug/L	98%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1235884	Batch:	365033
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1235884 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	45.46	50.00	ug/L	91%		70-135	15	30
MTBE	41.67	50.00	ug/L	83%		70-130	11	30
Benzene	42.35	50.00	ug/L	85%		70-130	12	30
Trichloroethene	43.66	50.00	ug/L	87%		70-130	13	30
Toluene	42.34	50.00	ug/L	85%		70-130	11	30
Chlorobenzene	44.62	50.00	ug/L	89%		70-130	11	30
Surrogates								
Dibromofluoromethane	51.78	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	49.32	50.00	ug/L	99%		70-130		
Toluene-d8	49.19	50.00	ug/L	98%		70-130		
Bromofluorobenzene	49.41	50.00	ug/L	99%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1235886**	**Batch:**	**365033**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1235886 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.7	03/06/25	03/06/25
Chloroprene	ND		ug/L	200	0.6	03/06/25	03/06/25
3-Chloropropene	ND		ug/L	5.0	0.3	03/06/25	03/06/25
Ethyl methacrylate	ND		ug/L	50	1.3	03/06/25	03/06/25
Ethanol	ND		ug/L	500	250	03/06/25	03/06/25
2-Hexanone	ND		ug/L	5.0	0.8	03/06/25	03/06/25
Isopropanol (IPA)	ND		ug/L	200	64	03/06/25	03/06/25
Methyl acrylonitrile	ND		ug/L	35	2.2	03/06/25	03/06/25
Vinyl Acetate	ND		ug/L	50	2.5	03/06/25	03/06/25
Acrolein	ND		ug/L	200	2.2	03/06/25	03/06/25
Acrylonitrile	ND		ug/L	10	0.7	03/06/25	03/06/25
Freon 12	ND		ug/L	5.0	0.3	03/06/25	03/06/25
Chloromethane	ND		ug/L	5.0	0.4	03/06/25	03/06/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Bromomethane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Chloroethane	ND		ug/L	5.0	0.3	03/06/25	03/06/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Iodomethane	ND		ug/L	5.8		03/06/25	03/06/25
Acetone	ND		ug/L	100	44	03/06/25	03/06/25
Freon 113	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
Methylene Chloride	ND		ug/L	10	3.5	03/06/25	03/06/25
MTBE	ND		ug/L	5.0	0.1	03/06/25	03/06/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	03/06/25	03/06/25
2-Butanone	ND		ug/L	10	2.3	03/06/25	03/06/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Chloroform	ND		ug/L	5.0	0.1	03/06/25	03/06/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	03/06/25	03/06/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/06/25	03/06/25
Benzene	ND		ug/L	1.0	0.1	03/06/25	03/06/25
Trichloroethene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/06/25	03/06/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/06/25	03/06/25
Dibromomethane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	03/06/25	03/06/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Toluene	ND		ug/L	5.0	0.3	03/06/25	03/06/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/06/25	03/06/25
Tetrachloroethene	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/06/25	03/06/25

ENTHALPY ANALYTICAL

Batch QC

QC1235886 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.1	03/06/25	03/06/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Ethylbenzene	ND		ug/L	5.0	0.07	03/06/25	03/06/25
m,p-Xylenes	ND		ug/L	5.0	0.1	03/06/25	03/06/25
o-Xylene	ND		ug/L	5.0	0.09	03/06/25	03/06/25
Styrene	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Bromoform	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/06/25	03/06/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Propylbenzene	ND		ug/L	5.0	0.09	03/06/25	03/06/25
Bromobenzene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	03/06/25	03/06/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	03/06/25	03/06/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	03/06/25	03/06/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	03/06/25	03/06/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/06/25	03/06/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/06/25	03/06/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	03/06/25	03/06/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/06/25	03/06/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	03/06/25	03/06/25
Naphthalene	ND		ug/L	5.0	0.5	03/06/25	03/06/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/06/25	03/06/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	03/06/25	03/06/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/06/25	03/06/25
Xylene (total)	ND		ug/L	5.0		03/06/25	03/06/25
Surrogates				**Limits**			
Dibromofluoromethane	107%		%REC	70-130		03/06/25	03/06/25
1,2-Dichloroethane-d4	98%		%REC	70-130		03/06/25	03/06/25
Toluene-d8	98%		%REC	70-130		03/06/25	03/06/25
Bromofluorobenzene	100%		%REC	70-130		03/06/25	03/06/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1236090	Batch:	365033
Matrix (Source ID):	Water (527937-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1236090 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	17.47	ND	20.00	ug/L	87%		70-130	1
MTBE	14.29	ND	20.00	ug/L	71%	*	75-130	1
Benzene	15.46	ND	20.00	ug/L	77%		70-130	1
Trichloroethene	16.33	ND	20.00	ug/L	82%		63-130	1
Toluene	15.70	ND	20.00	ug/L	79%		70-130	1
Chlorobenzene	16.18	ND	20.00	ug/L	81%		70-130	1
Surrogates								
Dibromofluoromethane	51.79		50.00	ug/L	104%		70-130	1
1,2-Dichloroethane-d4	50.36		50.00	ug/L	101%		70-130	1
Toluene-d8	48.71		50.00	ug/L	97%		70-130	1
Bromofluorobenzene	48.93		50.00	ug/L	98%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1236091	Batch:	365033
Matrix (Source ID):	Water (527937-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1236091 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	15.91	ND	20.00	ug/L	80%		70-130	9	30	1
MTBE	13.70	ND	20.00	ug/L	69%	*	75-130	4	30	1
Benzene	14.56	ND	20.00	ug/L	73%		70-130	6	30	1
Trichloroethene	14.69	ND	20.00	ug/L	73%		63-130	11	30	1
Toluene	14.01	ND	20.00	ug/L	70%		70-130	11	30	1
Chlorobenzene	14.78	ND	20.00	ug/L	74%		70-130	9	30	1
Surrogates										
Dibromofluoromethane	52.90		50.00	ug/L	106%		70-130			1
1,2-Dichloroethane-d4	51.99		50.00	ug/L	104%		70-130			1
Toluene-d8	48.21		50.00	ug/L	96%		70-130			1
Bromofluorobenzene	48.71		50.00	ug/L	97%		70-130			1

Type:	Blank	Lab ID:	QC1234642	Batch:	364667
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1234642 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/02/25	03/02/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		03/02/25	03/02/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1234643	Batch: 364667
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1234643 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.228	10.00	ug/L	92%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.12	10.00	ug/L	101%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1234644	Batch: 364667
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1234644 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.007	10.00	ug/L	90%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.21	10.00	ug/L	102%		80-120		

Type: Blank	Lab ID: QC1234645	Batch: 364668
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3510C

QC1234645 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.19	03/02/25	03/02/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	03/02/25	03/02/25
Naphthalene	ND		ug/L	0.50	0.20	03/02/25	03/02/25
Acenaphthylene	ND		ug/L	0.50	0.21	03/02/25	03/02/25
Acenaphthene	ND		ug/L	0.50	0.17	03/02/25	03/02/25
Fluorene	ND		ug/L	0.50	0.17	03/02/25	03/02/25
Phenanthrene	ND		ug/L	0.50	0.19	03/02/25	03/02/25
Anthracene	ND		ug/L	0.50	0.18	03/02/25	03/02/25
Fluoranthene	ND		ug/L	0.50	0.17	03/02/25	03/02/25
Pyrene	ND		ug/L	0.50	0.16	03/02/25	03/02/25
Benzo(a)anthracene	ND		ug/L	0.50	0.15	03/02/25	03/02/25
Chrysene	ND		ug/L	0.50	0.16	03/02/25	03/02/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.16	03/02/25	03/02/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.16	03/02/25	03/02/25
Benzo(a)pyrene	ND		ug/L	0.50	0.13	03/02/25	03/02/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.14	03/02/25	03/02/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.19	03/02/25	03/02/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.20	03/02/25	03/02/25
Surrogates				**Limits**			
Nitrobenzene-d5	79%		%REC	16-125		03/02/25	03/02/25
2-Fluorobiphenyl	79%		%REC	17-120		03/02/25	03/02/25
Terphenyl-d14	94%		%REC	39-123		03/02/25	03/02/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1234646**	**Batch:**	**364668**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1234646 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.430	4.000	ug/L	86%		23-120
2-Methylnaphthalene	3.336	4.000	ug/L	83%		33-120
Naphthalene	3.294	4.000	ug/L	82%		38-120
Acenaphthylene	3.383	4.000	ug/L	85%		37-120
Acenaphthene	3.100	4.000	ug/L	77%		39-120
Fluorene	3.273	4.000	ug/L	82%		43-120
Phenanthrene	3.187	4.000	ug/L	80%		42-120
Anthracene	3.269	4.000	ug/L	82%		42-120
Fluoranthene	3.277	4.000	ug/L	82%		48-120
Pyrene	3.309	4.000	ug/L	83%		44-120
Benzo(a)anthracene	3.394	4.000	ug/L	85%		51-126
Chrysene	3.347	4.000	ug/L	84%		47-120
Benzo(b)fluoranthene	3.451	4.000	ug/L	86%		44-127
Benzo(k)fluoranthene	3.493	4.000	ug/L	87%		43-127
Benzo(a)pyrene	3.442	4.000	ug/L	86%		29-124
Indeno(1,2,3-cd)pyrene	3.740	4.000	ug/L	93%		44-127
Dibenz(a,h)anthracene	3.807	4.000	ug/L	95%		55-120
Benzo(g,h,i)perylene	3.597	4.000	ug/L	90%		46-120
Surrogates						
Nitrobenzene-d5	3.232	4.000	ug/L	81%		16-125
2-Fluorobiphenyl	3.226	4.000	ug/L	81%		17-120
Terphenyl-d14	3.527	4.000	ug/L	88%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1234647	Batch:	364668
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3510C

QC1234647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.491	4.000	ug/L	87%		23-120	2	20
2-Methylnaphthalene	3.389	4.000	ug/L	85%		33-120	2	20
Naphthalene	3.335	4.000	ug/L	83%		38-120	1	20
Acenaphthylene	3.489	4.000	ug/L	87%		37-120	3	20
Acenaphthene	3.226	4.000	ug/L	81%		39-120	4	20
Fluorene	3.412	4.000	ug/L	85%		43-120	4	20
Phenanthrene	3.390	4.000	ug/L	85%		42-120	6	20
Anthracene	3.508	4.000	ug/L	88%		42-120	7	20
Fluoranthene	3.596	4.000	ug/L	90%		48-120	9	20
Pyrene	3.631	4.000	ug/L	91%		44-120	9	20
Benzo(a)anthracene	3.758	4.000	ug/L	94%		51-126	10	20
Chrysene	3.659	4.000	ug/L	91%		47-120	9	20
Benzo(b)fluoranthene	3.792	4.000	ug/L	95%		44-127	9	20
Benzo(k)fluoranthene	3.801	4.000	ug/L	95%		43-127	8	20
Benzo(a)pyrene	3.723	4.000	ug/L	93%		29-124	8	20
Indeno(1,2,3-cd)pyrene	4.095	4.000	ug/L	102%		44-127	9	20
Dibenz(a,h)anthracene	4.145	4.000	ug/L	104%		55-120	8	20
Benzo(g,h,i)perylene	3.967	4.000	ug/L	99%		46-120	10	20
Surrogates								
Nitrobenzene-d5	3.231	4.000	ug/L	81%		16-125		
2-Fluorobiphenyl	3.289	4.000	ug/L	82%		17-120		
Terphenyl-d14	3.940	4.000	ug/L	99%		39-123		

Type:	Lab Control Sample	Lab ID:	QC1235436	Batch:	364900
Matrix:	Water	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1235436 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1016	0.1000	mg/L	102%		76-120

Type:	Matrix Spike	Lab ID:	QC1235437	Batch:	364900
Matrix (Source ID):	Water (527967-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1235437 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	1.111	1.090	0.1000	mg/L	21%	NM	65-121	5

Type:	Matrix Spike Duplicate	Lab ID:	QC1235438	Batch:	364900
Matrix (Source ID):	Water (527967-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1235438 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	1.156	1.090	0.1000	mg/L	66%	NM	65-121	4	30	5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC1235745 **Batch:** 364900
Matrix: Water **Method:** SM 4500-CN-E **Prep Method:** METHOD

QC1235745 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	03/05/25	03/05/25

Type: Blank **Lab ID:** QC1234468 **Batch:** 364627
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1234468 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/01/25	03/01/25

Type: Lab Control Sample **Lab ID:** QC1234469 **Batch:** 364627
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1234469 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1234471 **Batch:** 364627
Matrix (Source ID): Water (527419-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1234471 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.800	0.8000	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1234472 **Batch:** 364627
Matrix (Source ID): Water (527419-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1234472 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.800	0.8000	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1235163 **Batch:** 364825
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1235163 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	03/04/25	03/04/25

Type: Lab Control Sample **Lab ID:** QC1235164 **Batch:** 364825
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1235164 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	26.33	25.00	mg/L	105%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1235165	Batch:	364825
Matrix (Source ID):	Water (527318-003)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1235165 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	42.68	12.79	25.00	mg/L	120%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1235166	Batch:	364825
Matrix (Source ID):	Water (527318-003)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1235166 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	42.03	12.79	25.00	mg/L	117%		75-125	2	25	1

Type:	Sample Duplicate	Lab ID:	QC1234421	Batch:	364615
Matrix (Source ID):	Water (527704-001)	Method:	SM2130B		

QC1234421 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.1460	0.1450	NTU		1	20	1

Type:	Blank	Lab ID:	QC1235790	Batch:	365009
Matrix:	Drinking Water	Method:	SM2320B	Prep Method:	METHOD

QC1235790 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		03/05/25	03/05/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/05/25	03/05/25

Type:	Lab Control Sample	Lab ID:	QC1235791	Batch:	365009
Matrix:	Drinking Water	Method:	SM2320B	Prep Method:	METHOD

QC1235791 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	934.1	1000	mg/L	93%		90-110

Type:	Sample Duplicate	Lab ID:	QC1235792	Batch:	365009
Matrix (Source ID):	Water (527642-001)	Method:	SM2320B	Prep Method:	METHOD

QC1235792 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	226.8	224.5	mg/L		1	20	2.5
Alkalinity, Total as CaCO3	185.9	184.1	mg/L		1	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1237107	Batch:	365360
Matrix (Source ID):	Water (527718-001)	Method:	SM2510B	Prep Method:	METHOD

QC1237107 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	964.7	973.2	umhos/cm		1	20	1

Type:	Blank	Lab ID:	QC1235847	Batch:	365021
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1235847 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		03/05/25	03/06/25

Type:	Lab Control Sample	Lab ID:	QC1235848	Batch:	365021
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1235848 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	996.0	1000	mg/L	100%		90-110

Type:	Sample Duplicate	Lab ID:	QC1235849	Batch:	365021
Matrix (Source ID):	Water (527718-001)	Method:	SM2540C	Prep Method:	METHOD

QC1235849 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	670.0	684.0	mg/L		2	5	2

Type:	Blank	Lab ID:	QC1234276	Batch:	364571
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC1234276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		02/28/25 15:28	03/05/25 12:17

Type:	Lab Control Sample	Lab ID:	QC1234277	Batch:	364571
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC1234277 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	174.3	198.0	mg/L	88%		84.6-115.4

Type:	Sample Duplicate	Lab ID:	QC1234325	Batch:	364571
Matrix (Source ID):	Water (527210-005)	Method:	SM5210B	Prep Method:	METHOD

QC1234325 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Biochemical Oxygen Demand	2,953	2223	mg/L		28	30	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1237677**	**Batch: 365526**
Matrix: Water	**Method: SM5220D**	**Prep Method: METHOD**

QC1237677 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	03/11/25	03/11/25

Type: Lab Control Sample	**Lab ID: QC1237678**	**Batch: 365526**
Matrix: Water	**Method: SM5220D**	**Prep Method: METHOD**

QC1237678 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	1,023	1000	mg/L	102%		90-110

Type: Matrix Spike	**Lab ID: QC1237748**	**Batch: 365526**
Matrix (Source ID): Water (527103-001)	**Method: SM5220D**	**Prep Method: METHOD**

QC1237748 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,036	28.00	1000	mg/L	101%		75-125	2

Type: Matrix Spike Duplicate	**Lab ID: QC1237749**	**Batch: 365526**
Matrix (Source ID): Water (527103-001)	**Method: SM5220D**	**Prep Method: METHOD**

QC1237749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,040	28.00	1000	mg/L	101%		75-125	0	20	2

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
E	Response exceeds instrument's linear range
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 527718

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2503094

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-527718

Project Location:
Project Received: 03/04/2025

Analytical Report reviewed & approved for release on 03/11/2025 by:

Tracy Babjar
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503094

Project: EO-527718

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503094

Project: EO-527718

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
b1	Aqueous sample that contains greater than ~1 vol. % sediment

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Received:	03/04/2025 9:08	**Extraction Method:**	SW8151A
Date Prepared:	03/05/2025	**Analytical Method:**	SW8151A
Project:	EO-527718	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CACA250228SOUTHBASINDISCHARGE	2503094-001A	Water	02/28/2025 10:00	GC15A 03052509.D	312625

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	03/05/2025 14:59
Bentazon	ND	4.1	10	10	03/05/2025 14:59
Chloramben	ND	3.1	10	10	03/05/2025 14:59
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	03/05/2025 14:59
2,4-DB	ND	2.1	10	10	03/05/2025 14:59
Dalapon	ND	3.9	10	10	03/05/2025 14:59
DCPA (mono & diacid)	ND	1.4	10	10	03/05/2025 14:59
Dicamba	ND	0.59	2.0	10	03/05/2025 14:59
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	03/05/2025 14:59
Dichloroprop	ND	1.8	10	10	03/05/2025 14:59
Dinoseb (DNBP)	ND	1.8	10	10	03/05/2025 14:59
MCPA	ND	14	20	10	03/05/2025 14:59
MCPP	ND	7.7	20	10	03/05/2025 14:59
4-Nitrophenol	ND	5.0	10	10	03/05/2025 14:59
Pentachlorophenol (PCP)	ND	0.55	2.0	10	03/05/2025 14:59
Picloram	ND	3.5	10	10	03/05/2025 14:59
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	03/05/2025 14:59
2,4,5-TP (Silvex)	ND	1.4	5.0	10	03/05/2025 14:59

Surrogates	REC (%)	Limits	
DCAA	92	60-140	03/05/2025 14:59

Analyst(s): DP

Analytical Comments: a3,b1

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Received:	03/04/2025 9:08	**Extraction Method:**	RSK175
Date Prepared:	03/06/2025	**Analytical Method:**	RSK175
Project:	EO-527718	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CACA250228SOUTHBASINDISCHARGE	2503094-001B	Water	02/28/2025 10:00	GC26 0306251107.D	312833

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1900**	100	100	2	03/06/2025 16:29

Analyst(s): CLO

Analytical Comments: b1

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Prepared:	03/05/2025	**BatchID:**	312625
Date Analyzed:	03/05/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-527718	**Sample ID:**	MB/LCS/LCSD-312625

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.0			10	90	70-130

(Cont.)

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Prepared:	03/05/2025	**BatchID:**	312625
Date Analyzed:	03/05/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-527718	**Sample ID:**	MB/LCS/LCSD-312625

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	10	9.3	10	100	93	70-130	7.41	30
Bentazon	9.2	8.8	10	92	88	70-130	4.49	30
Chloramben	12	11	10	120	112	70-130	6.50	30
2,4-D (Dichlorophenoxyacetic acid)	9.3	8.9	10	93	89	70-130	4.90	30
2,4-DB	10	11	10	103	115	70-130	10.3	30
Dalapon	10	11	10	101	109	70-130	7.56	30
DCPA (mono & diacid)	9.9	9.5	10	99	95	70-130	4.82	30
Dicamba	9.8	9.1	10	98	91	70-130	6.78	30
3,5-Dichlorobenzoic Acid	9.9	9.1	10	99	91	70-130	8.27	30
Dichloroprop	9.4	9.0	10	94	90	70-130	4.92	30
Dinoseb (DNBP)	9.6	9.4	10	96	94	70-130	2.46	30
MCPA	85	84	100	85	84	70-130	1.36	30
MCPP	91	86	100	91	86	70-130	6.33	30
4-Nitrophenol	14	12	10	136,F2	125	70-130	8.64	30
Pentachlorophenol (PCP)	9.6	9.2	10	96	92	70-130	4.32	30
Picloram	10	9.4	10	100	94	70-130	6.14	30
2,4,5-T (Trichlorophenoxy acetic acid)	9.6	9.2	10	96	92	70-130	4.67	30
2,4,5-TP (Silvex)	9.5	9.1	10	95	91	70-130	4.23	30
Surrogate Recovery								
DCAA	9.3	8.9	10	93	89	70-130	3.76	30

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Prepared:	03/06/2025	**BatchID:**	312833
Date Analyzed:	03/06/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-527718	**Sample ID:**	MB/LCS/LCSD-312833

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	150	170	187.2	83	90	70-130	8.81	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503094 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-527718

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **03/04/2025**
Date Logged: **03/04/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503094-001	CACA250228SOUTHBASINDISCHARGE	Water	2/28/2025 10:00	☐	A	A	B									

Test Legend:

1	8151_W	2	PRDisposal Fee	3	RSK175_CO2_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-527718
Comments:

Work Order: 2503094
QC Level: LEVEL 2
Date Logged: 3/4/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	CACA250228SOUTHBA SINDISCHARGE	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	2/28/2025 10:00	5 days	3/11/2025	1%+	☐	☐
001B	CACA250228SOUTHBA SINDISCHARGE	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	2/28/2025 10:00	5 days	3/11/2025	1%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

250309$

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619 & 243367
PO #: PO-079649

Enthalpy Order: EO-527718
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CACA250228SOUTHBASINDISCHARGE	28-FEB-2025 10:00	527718-001	1	Water	EPA 8151A Chlorinated Herbicides	
			2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
		GLS
	Date: 3/3/25 1511	Date:
		Emily Pa
	Date:	Date: 3/4/25 0908
	Date:	Date:

O.C cert
1R30

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/4/2025 09:08
Project:	EO-527718	Date Logged:	3/4/2025
		Received by:	
WorkOrder №:	2503094 Matrix:	Logged by:	Emily Perez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.6°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2503094

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-527718

Project Location:
Project Received: 03/04/2025

Analytical Report reviewed & approved for release on 03/11/2025 by:

Tracy Babjar
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503094

Project: EO-527718

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503094

Project: EO-527718

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
b1	Aqueous sample that contains greater than ~1 vol. % sediment

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Received:	03/04/2025 9:08	**Extraction Method:**	SW8151A
Date Prepared:	03/05/2025	**Analytical Method:**	SW8151A
Project:	EO-527718	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CACA250228SOUTHBASINDISCHARGE	2503094-001A	Water	02/28/2025 10:00	GC15A 03052509.D	312625

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	03/05/2025 14:59
Bentazon	ND	4.1	10	10	03/05/2025 14:59
Chloramben	ND	3.1	10	10	03/05/2025 14:59
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	03/05/2025 14:59
2,4-DB	ND	2.1	10	10	03/05/2025 14:59
Dalapon	ND	3.9	10	10	03/05/2025 14:59
DCPA (mono & diacid)	ND	1.4	10	10	03/05/2025 14:59
Dicamba	ND	0.59	2.0	10	03/05/2025 14:59
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	03/05/2025 14:59
Dichloroprop	ND	1.8	10	10	03/05/2025 14:59
Dinoseb (DNBP)	ND	1.8	10	10	03/05/2025 14:59
MCPA	ND	14	20	10	03/05/2025 14:59
MCPP	ND	7.7	20	10	03/05/2025 14:59
4-Nitrophenol	ND	5.0	10	10	03/05/2025 14:59
Pentachlorophenol (PCP)	ND	0.55	2.0	10	03/05/2025 14:59
Picloram	ND	3.5	10	10	03/05/2025 14:59
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	03/05/2025 14:59
2,4,5-TP (Silvex)	ND	1.4	5.0	10	03/05/2025 14:59

Surrogates	REC (%)	Limits	
DCAA	92	60-140	03/05/2025 14:59

Analyst(s): DP

Analytical Comments: a3,b1

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Received:	03/04/2025 9:08	**Extraction Method:**	RSK175
Date Prepared:	03/06/2025	**Analytical Method:**	RSK175
Project:	EO-527718	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CACA250228SOUTHBASINDISCHARGE	2503094-001B	Water	02/28/2025 10:00	GC26 0306251107.D	312833

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1900**	100	100	2	03/06/2025 16:29

Analyst(s): CLO

Analytical Comments: b1

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Prepared:	03/05/2025	**BatchID:**	312625
Date Analyzed:	03/05/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-527718	**Sample ID:**	MB/LCS/LCSD-312625

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.0			10	90	70-130

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Prepared:	03/05/2025	**BatchID:**	312625
Date Analyzed:	03/05/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-527718	**Sample ID:**	MB/LCS/LCSD-312625

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	10	9.3	10	100	93	70-130	7.41	30
Bentazon	9.2	8.8	10	92	88	70-130	4.49	30
Chloramben	12	11	10	120	112	70-130	6.50	30
2,4-D (Dichlorophenoxyacetic acid)	9.3	8.9	10	93	89	70-130	4.90	30
2,4-DB	10	11	10	103	115	70-130	10.3	30
Dalapon	10	11	10	101	109	70-130	7.56	30
DCPA (mono & diacid)	9.9	9.5	10	99	95	70-130	4.82	30
Dicamba	9.8	9.1	10	98	91	70-130	6.78	30
3,5-Dichlorobenzoic Acid	9.9	9.1	10	99	91	70-130	8.27	30
Dichloroprop	9.4	9.0	10	94	90	70-130	4.92	30
Dinoseb (DNBP)	9.6	9.4	10	96	94	70-130	2.46	30
MCPA	85	84	100	85	84	70-130	1.36	30
MCPP	91	86	100	91	86	70-130	6.33	30
4-Nitrophenol	14	12	10	136,F2	125	70-130	8.64	30
Pentachlorophenol (PCP)	9.6	9.2	10	96	92	70-130	4.32	30
Picloram	10	9.4	10	100	94	70-130	6.14	30
2,4,5-T (Trichlorophenoxy acetic acid)	9.6	9.2	10	96	92	70-130	4.67	30
2,4,5-TP (Silvex)	9.5	9.1	10	95	91	70-130	4.23	30
Surrogate Recovery								
DCAA	9.3	8.9	10	93	89	70-130	3.76	30

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503094
Date Prepared:	03/06/2025	**BatchID:**	312833
Date Analyzed:	03/06/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-527718	**Sample ID:**	MB/LCS/LCSD-312833

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	150	170	187.2	83	90	70-130	8.81	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503094 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-527718

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **03/04/2025**
Date Logged: **03/04/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503094-001	CACA250228SOUTHBASINDISCHARGE	Water	2/28/2025 10:00	☐	A	A	B									

Test Legend:

1	8151_W	2	PRDisposal Fee	3	RSK175_CO2_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-527718
Comments:

Work Order: 2503094
QC Level: LEVEL 2
Date Logged: 3/4/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	CACA250228SOUTHBASINDISCHARGE	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	2/28/2025 10:00	5 days	3/11/2025	1%+	☐	☐
001B	CACA250228SOUTHBASINDISCHARGE	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	2/28/2025 10:00	5 days	3/11/2025	1%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

250309$

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619 & 243367
PO #: PO-079649

Enthalpy Order: EO-527718
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CACA250228SOUTHBASINDISCHARGE	28-FEB-2025 10:00	527718-001	1	Water	EPA 8151A Chlorinated Herbicides	
			2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
		GLS
	Date: 3/3/25 1511	Date:
		Emily Pa
	Date:	Date: 3/4/25 0908
	Date:	Date:

O.C cert
1R30

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-527718
WorkOrder №: 2503094 Matrix:
Carrier: Golden State Overnight

Date and Time Received: 3/4/2025 09:08
Date Logged: 3/4/2025
Received by:
Logged by: Emily Perez

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.6°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528029
Report Level : II
Report Date : 03/19/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - Chiquita Canyon Landfill - MPars

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	528029
Project No:	SW - MPARS
Location:	Chiquita Canyon Landfill - MPars
Date Received:	03/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	528029-001	03/05/25 10:40	Water
SOUTH BASIN - EASTERN INLET	528029-002	03/05/25 11:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528029 Project No: SW - MPARS Location: Chiquita Canyon Landfill - MPars Date Received: 03/05/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.

Volatile Organics by GC/MS (EPA 8260B):

- Chloroform was detected between the MDL and the RL in the method blank for batch 365910; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 200.7 and EPA 200.8):

- Magnesium was detected between the MDL and the RL in the method blank for batch 365124; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- High recovery was observed for fluoride in the MSD for batch 365312; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for fluoride in the MS/MSD for batch 365312.
- No other analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):

- High RPD was observed for total dissolved solids in the SDUP of SOUTH BASIN - EASTERN INLET (lab # 528029-002).
- No other analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 528029

Chain of Custody

Pg 1 of 4

Enthalpy Analytical

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: Scott Tours, Caleb Hercyk

Project Information

Project ID: Chiquita Canyon Landfill - MPars
Project Number:

TAT

Standard	Rush
10 Days ●	___ Days / Hours ○

IR 11 → 15.4

*Excluding parameters sampled as part of IGP, WDR, & Sub N analysis

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	VOCs 8260B	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Nitrate-N	COD, SO4, TDS, TOC	B, Ca, K, Mn, Na	Bromide, Fluoride, Sulfide	Carbon Dioxide
SOUTH	3/5	1040														12	X	X	X	X	X	X	X	X	X
EAST	3/5	1100														12	X	X	X	X	X	X	X	X	X

Notes

	Field pH:	Turbidity:	Temp:	Specific Conductance:
SOUTH	5,72		14,5	
EAST	8,55		14,1	

Relinquished by	Received by	Date	Time
[signature]	[signature]	3/5/25	5:00pm

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: | Mileage: | Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/5/25 WO# 528029 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/5/25 By (initials) HXD Type of ice used: ☐ Wet ☐ Blue/Gel ■ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 15.3 / 15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X	~~X~~ N/A	
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?		X	
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?		X	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.6 - SAMPLE ID AND SAMPLING TIME DISCREPANCY. SOUTH, COLLECTED @ 1040 AND EAST @ 1100 PER COC; SOUTH BASIN-WESTERN INLET @ 1100 AND SOUTH BASIN EASTERN INLET @ 1130.

4.13 - HEADSPACE >6MM IN 1/5 VIALS OF SAMPLE -002

☐ **No additional discrepancies**

Date Logged 3/5/25 **By (print)** ABD **(sign)** ABD

Date Labeled 3/5/25 **By (print)** EA-Orange **(sign)** EA-ORANGE

Outlook

Fw: Waste Connections LR# 528029, 528030, 528031, 528033

From David Tripp <david.tripp@enthalpy.com>
Date Thu 3/6/2025 11:49 AM
To Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Fernando Diwa <fernando.diwa@enthalpy.com>
Sent: Thursday, March 6, 2025 11:26 AM
To: Zach Barker <Zach.barker@enthalpy.com>
Cc: David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
Subject: Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

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Outlook

Re: [External] Re: 3-5-25 Storm Water COC

From Elbie Cannon <ecannon@cteh.com>
Date Wed 3/5/2025 6:02 PM
To David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc Elbie Cannon <ecannon@montrose-env.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 7:15:49 PM
To: Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] Re: 3-5-25 Storm Water COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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Outlook

Re: [External] - Re: 3-5-25 Storm Water COC

From David Tripp <david.tripp@enthalpy.com>
Date Wed 3/5/2025 5:57 PM
To Matt Breuer <Matt.Breuer@WasteConnections.com>
Cc Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling'* requirement that was not met (was not received on ice).

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Matt Breuer <Matt.Breuer@WasteConnections.com>
Sent: Wednesday, March 5, 2025 5:52 PM
To: David Tripp <david.tripp@enthalpy.com>
Cc: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 5:16 PM
To: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: Re: 3-5-25 Storm Water COC

This Message Is From an External Sender
This message came from outside your organization.
Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

Analysis Results for 528029

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528029
Project No: SW - MPARS
Location: Chiquita Canyon Landfill - MPars
Date Received: 03/05/25

Sample ID: SOUTH BASIN - WESTERN INLET | **Lab ID:** 528029-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

528029-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**380**		mg/L	0.57	0.57	1	365124	03/06/25	03/07/25	CAP
Magnesium	**22**		mg/L	0.10	0.025	1	365124	03/06/25	03/07/25	CAP
Potassium	**15**		mg/L	0.50	0.40	1	365124	03/06/25	03/07/25	CAP
Sodium	**42**		mg/L	0.50	0.35	1	365124	03/06/25	03/07/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**170**		ug/L	100	56	10	365105	03/06/25	03/06/25	DXC
Manganese	**2,800**		ug/L	100	43	10	365105	03/06/25	03/06/25	DXC
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.20**	J	mg/L	0.20	0.073	1	365312	03/08/25 13:15	03/08/25 18:48	JAA
Nitrogen, Nitrite	**0.11**		mg/L	0.10	0.02	1	365073	03/06/25 11:30	03/07/25 01:10	JAA
Bromide	**0.095**	J	mg/L	0.30	0.060	1	365073	03/06/25 11:30	03/07/25 01:10	JAA
Nitrogen, Nitrate	**0.96**		mg/L	0.10	0.05	1	365073	03/06/25 11:30	03/07/25 01:10	JAA
Sulfate	**69**		mg/L	1.0	0.25	1	365073	03/06/25 11:30	03/07/25 01:10	JAA
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	365910	03/14/25	03/14/25	HMN
Freon 12	ND		ug/L	5.0	0.3	1	365910	03/14/25	03/14/25	HMN
Chloromethane	ND		ug/L	5.0	0.4	1	365910	03/14/25	03/14/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromomethane	ND		ug/L	5.0	0.8	1	365910	03/14/25	03/14/25	HMN
Chloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Acetone	**36**	J	ug/L	100	17	1	365910	03/14/25	03/14/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Methylene Chloride	ND		ug/L	5.0	3.5	1	365910	03/14/25	03/14/25	HMN
MTBE	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
2-Butanone	**5.2**	J	ug/L	100	2.0	1	365910	03/14/25	03/14/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Chloroform	**0.2**	B,J	ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528029

528029-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	**0.1**	J	ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Trichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
4-Methyl-2-Pentanone	**7.1**		ug/L	5.0	1.4	1	365910	03/14/25	03/14/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Toluene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	365910	03/14/25	03/14/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Styrene	ND		ug/L	5.0	0.08	1	365910	03/14/25	03/14/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365910	03/14/25	03/14/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Propylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365910	03/14/25	03/14/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365910	03/14/25	03/14/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	365910	03/14/25	03/14/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Xylene (total)	ND		ug/L	5.0		1	365910	03/14/25	03/14/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN
1,2-Dichloroethane-d4	114%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN
Toluene-d8	100%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN
Bromofluorobenzene	101%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528029

528029-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365119	03/06/25	03/08/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	365119	03/06/25	03/08/25	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365289	03/08/25	03/08/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**24**		mg/L	1.0	0.68	1	365597	03/11/25	03/12/25	TDD
Method: SM2130B										
Turbidity	**340**		NTU	0.10	0.009	1	365155	03/06/25 20:52	03/06/25 20:52	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**78**		mg/L	3.0		1.3	365475	03/10/25	03/10/25	WWC
Alkalinity, Total as CaCO3	**85**		mg/L	2.5		1.3	365475	03/10/25	03/10/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**330**		umhos/cm	1.0		1	365607	03/11/25	03/11/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**230**		mg/L	20		2	365604	03/11/25	03/13/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**550**		mg/L	4.0	1.6	1	365861	03/13/25	03/14/25	TDD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528029

Sample ID:	Lab ID: 528029-002	Collected: 03/05/25 11:00
SOUTH BASIN - EASTERN INLET	Matrix: Water	

528029-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**1,400**		mg/L	57	57	100	365439	03/10/25	03/12/25	KAM
Magnesium	**130**		mg/L	0.10	0.025	1	365439	03/10/25	03/11/25	KAM
Potassium	**54**		mg/L	50	40	100	365439	03/10/25	03/12/25	KAM
Sodium	**110**		mg/L	0.50	0.35	1	365439	03/10/25	03/11/25	KAM
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**580**		ug/L	200	110	20	365527	03/11/25	03/11/25	DXC
Manganese	**11,000**		ug/L	2,000	690	200	365527	03/11/25	03/11/25	DXC
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.22**		mg/L	0.20	0.073	1	365312	03/08/25 13:15	03/08/25 19:05	JAA
Nitrogen, Nitrite	**0.08**	J	mg/L	0.10	0.02	1	365073	03/06/25 11:30	03/07/25 03:16	JAA
Bromide	**0.25**	J	mg/L	0.30	0.060	1	365073	03/06/25 11:30	03/07/25 03:16	JAA
Nitrogen, Nitrate	**1.4**		mg/L	0.10	0.05	1	365073	03/06/25 11:30	03/07/25 03:16	JAA
Sulfate	**290**		mg/L	10	2.5	10	365073	03/06/25 11:30	03/07/25 03:37	JAA
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	365910	03/14/25	03/14/25	HMN
Freon 12	ND		ug/L	5.0	0.3	1	365910	03/14/25	03/14/25	HMN
Chloromethane	ND		ug/L	5.0	0.4	1	365910	03/14/25	03/14/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromomethane	ND		ug/L	5.0	0.8	1	365910	03/14/25	03/14/25	HMN
Chloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Acetone	**57**	J	ug/L	100	17	1	365910	03/14/25	03/14/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Methylene Chloride	ND		ug/L	5.0	3.5	1	365910	03/14/25	03/14/25	HMN
MTBE	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
2-Butanone	**6.7**	J	ug/L	100	2.0	1	365910	03/14/25	03/14/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Chloroform	**0.2**	B,J	ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Benzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Trichloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528029

528029-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	**3.1**	J	ug/L	5.0	1.4	1	365910	03/14/25	03/14/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Toluene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	365910	03/14/25	03/14/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Styrene	ND		ug/L	5.0	0.08	1	365910	03/14/25	03/14/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365910	03/14/25	03/14/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Propylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365910	03/14/25	03/14/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365910	03/14/25	03/14/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	365910	03/14/25	03/14/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365910	03/14/25	03/14/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365910	03/14/25	03/14/25	HMN
Xylene (total)	ND		ug/L	5.0		1	365910	03/14/25	03/14/25	HMN
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN
1,2-Dichloroethane-d4	112%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN
Toluene-d8	98%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN
Bromofluorobenzene	98%		%REC	70-130		1	365910	03/14/25	03/14/25	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365119	03/06/25	03/08/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	365119	03/06/25	03/08/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528029

528029-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365289	03/08/25	03/08/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**36**		mg/L	1.0	0.68	1	365597	03/11/25	03/12/25	TDD
Method: SM2130B										
Turbidity	**21**		NTU	0.10	0.009	1	365155	03/06/25 20:52	03/06/25 20:52	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**84**		mg/L	3.0		1.3	365475	03/10/25	03/10/25	WWC
Alkalinity, Total as CaCO3	**69**		mg/L	2.5		1.3	365475	03/10/25	03/10/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**1,670**		umhos/cm	1.0		1	365607	03/11/25	03/11/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	50		5	365604	03/11/25	03/13/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**5,200**		mg/L	40	16	10	365861	03/13/25	03/14/25	TDD

B Contamination found in associated Method Blank
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1236176	Batch: 365124
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236176 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/06/25	03/07/25
Magnesium	0.040	J	mg/L	0.10	0.025	03/06/25	03/07/25
Potassium	ND		mg/L	0.50	0.40	03/06/25	03/07/25
Sodium	ND		mg/L	0.50	0.35	03/06/25	03/07/25

Type: Lab Control Sample	Lab ID: QC1236177	Batch: 365124
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236177 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	20.88	20.40	mg/L	102%		85-115
Magnesium	21.59	20.40	mg/L	106%		85-115
Potassium	23.76	24.00	mg/L	99%		85-115
Sodium	20.46	20.40	mg/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1236178	Batch: 365124
Matrix (Source ID): Water (528126-005)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236178 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	76.05	58.03	20.40	mg/L	88%		75-125	1
Magnesium	28.78	8.008	20.40	mg/L	102%		75-125	1
Potassium	47.90	24.82	24.00	mg/L	96%		75-125	1
Sodium	71.35	53.51	20.40	mg/L	87%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1236179	Batch: 365124
Matrix (Source ID): Water (528126-005)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236179 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	76.00	58.03	20.40	mg/L	88%		75-125	0	20	1
Magnesium	28.81	8.008	20.40	mg/L	102%		75-125	0	20	1
Potassium	48.12	24.82	24.00	mg/L	97%		75-125	0	20	1
Sodium	71.12	53.51	20.40	mg/L	86%		75-125	0	20	1

Type: Serial Dilution	Lab ID: QC1236273	Batch: 365124
Matrix (Source ID): Water (528126-005)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236273 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	57.71	58.03	mg/L				5
Magnesium	7.980	8.008	mg/L				5
Potassium	23.77	24.82	mg/L				5
Sodium	53.69	53.51	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1237412	Batch: 365439
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1237412 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/10/25	03/10/25
Magnesium	ND		mg/L	0.10	0.025	03/10/25	03/10/25
Potassium	ND		mg/L	0.50	0.40	03/10/25	03/12/25
Sodium	ND		mg/L	0.50	0.35	03/10/25	03/10/25

Type: Lab Control Sample	Lab ID: QC1237413	Batch: 365439
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1237413 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	20.16	20.40	mg/L	99%		85-115
Magnesium	20.60	20.40	mg/L	101%		85-115
Potassium	24.04	24.00	mg/L	100%		85-115
Sodium	19.26	20.40	mg/L	94%		85-115

Type: Matrix Spike	Lab ID: QC1237414	Batch: 365439
Matrix (Source ID): Water (528259-002)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1237414 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	28.60	9.106	20.40	mg/L	96%		75-125	1
Magnesium	23.32	3.093	20.40	mg/L	99%		75-125	1
Potassium	25.12	2.742	24.00	mg/L	93%		75-125	1
Sodium	21.31	2.430	20.40	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1237415	Batch: 365439
Matrix (Source ID): Water (528259-002)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1237415 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	29.39	9.106	20.40	mg/L	99%		75-125	3	20	1
Magnesium	24.07	3.093	20.40	mg/L	103%		75-125	3	20	1
Potassium	25.87	2.742	24.00	mg/L	96%		75-125	3	20	1
Sodium	22.03	2.430	20.40	mg/L	96%		75-125	3	20	1

Type: Serial Dilution	Lab ID: QC1237477	Batch: 365439
Matrix (Source ID): Water (528259-002)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1237477 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	9.115	9.106	mg/L				5
Magnesium	3.128	3.093	mg/L				5
Potassium	ND	2.742	mg/L				5
Sodium	2.552	2.430	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1236114	Batch: 365105
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1236114 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.6	03/06/25	03/06/25
Manganese	ND		ug/L	10	4.3	03/06/25	03/06/25

Type: Lab Control Sample	Lab ID: QC1236115	Batch: 365105
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1236115 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	92.58	100.0	ug/L	93%		85-115
Manganese	104.1	100.0	ug/L	104%		85-115

Type: Matrix Spike	Lab ID: QC1236116	Batch: 365105
Matrix (Source ID): Water (528033-002)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1236116 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	655.4	575.7	100.0	ug/L	80%	NM	70-130	10
Manganese	11,340	12200	100.0	ug/L	-861%	E,NM	70-130	10

Type: Matrix Spike Duplicate	Lab ID: QC1236117	Batch: 365105
Matrix (Source ID): Water (528033-002)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1236117 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	627.8	575.7	100.0	ug/L	52%	NM	70-130	4	20	10
Manganese	10,620	12200	100.0	ug/L	-1585%	E,NM	70-130		20	10

Type: Blank	Lab ID: QC1237680	Batch: 365527
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1237680 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.7	03/11/25	03/11/25
Manganese	ND		ug/L	10	3.4	03/11/25	03/11/25

Type: Lab Control Sample	Lab ID: QC1237681	Batch: 365527
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1237681 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	98.28	100.0	ug/L	98%		85-115
Manganese	97.84	100.0	ug/L	98%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1237682**	**Batch:**	**365527**
Matrix (Source ID):	**Water (528425-001)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1237682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	144.8	16.07	100.0	ug/L	129%		70-130	20
Manganese	131.3	32.62	100.0	ug/L	99%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1237683**	**Batch:**	**365527**
Matrix (Source ID):	**Water (528425-001)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1237683 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	122.3	16.07	100.0	ug/L	106%		70-130	17	20	20
Manganese	130.2	32.62	100.0	ug/L	98%		70-130	1	20	1

Type:	**Blank**	**Lab ID:**	**QC1236018**	**Batch:**	**365073**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236018 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/06/25 11:30	03/06/25 15:25
Bromide	ND		mg/L	0.30	0.060	03/06/25 11:30	03/06/25 15:25
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/06/25 11:30	03/06/25 15:25
Sulfate	ND		mg/L	1.0	0.25	03/06/25 11:30	03/06/25 15:25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1236019**	**Batch:**	**365073**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236019 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	4.563	4.567	mg/L	100%		90-110
Bromide	14.90	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.461	4.518	mg/L	99%		90-110
Sulfate	24.80	25.00	mg/L	99%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1236020**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528085-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236020 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.276	ND	9.134	mg/L	102%		80-120	1
Bromide	15.67	0.8001	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.073	ND	9.036	mg/L	100%		80-120	1
Sulfate	591.3	747.6	50.00	mg/L	-313%	E,NM	80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1236021**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528085-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236021 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.486	ND	9.134	mg/L	104%		80-120	2	20	1
Bromide	16.03	0.8001	15.00	mg/L	102%		80-120	2	20	1
Nitrogen, Nitrate	9.249	ND	9.036	mg/L	102%		80-120	2	20	1
Sulfate	591.6	747.6	50.00	mg/L	-312%	E,NM	80-120		20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1236023**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528088-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236023 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	8.890	ND	9.134	mg/L	97%		80-120	1
Bromide	14.55	ND	15.00	mg/L	97%		80-120	1
Nitrogen, Nitrate	9.054	ND	9.036	mg/L	100%		80-120	1
Sulfate	52.88	4.269	50.00	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1236024**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528088-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236024 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.250	ND	9.134	mg/L	101%		80-120	4	20	1
Bromide	15.09	ND	15.00	mg/L	101%		80-120	4	20	1
Nitrogen, Nitrate	9.390	ND	9.036	mg/L	104%		80-120	4	20	1
Sulfate	54.71	4.269	50.00	mg/L	101%		80-120	3	20	1

Type:	**Blank**	**Lab ID:**	**QC1236897**	**Batch:**	**365312**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236897 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	03/08/25 13:15	03/08/25 14:35

Type:	**Lab Control Sample**	**Lab ID:**	**QC1236898**	**Batch:**	**365312**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236898 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.132	10.00	mg/L	91%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1236899**	**Batch:**	**365312**
Matrix (Source ID):	**Drinking Water (528140-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236899 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.13	0.4842	20.00	mg/L	103%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1236900**	**Batch:**	**365312**
Matrix (Source ID):	**Drinking Water (528140-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236900 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	27.54	0.4842	20.00	mg/L	135%	*	80-120	26*	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1236901**	**Batch:**	**365312**
Matrix (Source ID):	**Drinking Water (527927-009)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236901 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.07	0.4672	20.00	mg/L	103%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1236902**	**Batch:**	**365312**
Matrix (Source ID):	**Drinking Water (527927-009)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236902 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.52	0.4672	20.00	mg/L	100%		80-120	3	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238956**	**Batch:**	**365910**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238956 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	59.60	50.00	ug/L	119%		70-135
MTBE	50.27	50.00	ug/L	101%		70-130
Benzene	47.19	50.00	ug/L	94%		70-130
Trichloroethene	50.46	50.00	ug/L	101%		70-130
Toluene	49.54	50.00	ug/L	99%		70-130
Chlorobenzene	50.94	50.00	ug/L	102%		70-130
Surrogates						
Dibromofluoromethane	52.50	50.00	ug/L	105%		70-130
1,2-Dichloroethane-d4	57.42	50.00	ug/L	115%		70-130
Toluene-d8	49.44	50.00	ug/L	99%		70-130
Bromofluorobenzene	46.31	50.00	ug/L	93%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238957**	**Batch:**	**365910**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238957 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	62.24	50.00	ug/L	124%		70-135	4	30
MTBE	53.24	50.00	ug/L	106%		70-130	6	30
Benzene	49.10	50.00	ug/L	98%		70-130	4	30
Trichloroethene	53.37	50.00	ug/L	107%		70-130	6	30
Toluene	49.34	50.00	ug/L	99%		70-130	0	30
Chlorobenzene	53.00	50.00	ug/L	106%		70-130	4	30
Surrogates								
Dibromofluoromethane	54.03	50.00	ug/L	108%		70-130		
1,2-Dichloroethane-d4	54.33	50.00	ug/L	109%		70-130		
Toluene-d8	49.05	50.00	ug/L	98%		70-130		
Bromofluorobenzene	47.05	50.00	ug/L	94%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238959**	**Batch:**	**365910**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238959 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	03/14/25	03/14/25
Freon 12	ND		ug/L	5.0	0.3	03/14/25	03/14/25
Chloromethane	ND		ug/L	5.0	0.4	03/14/25	03/14/25
Vinyl Chloride	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Bromomethane	ND		ug/L	5.0	0.8	03/14/25	03/14/25
Chloroethane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Acetone	ND		ug/L	100	17	03/14/25	03/14/25
Freon 113	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Methylene Chloride	ND		ug/L	5.0	3.5	03/14/25	03/14/25
MTBE	ND		ug/L	5.0	0.1	03/14/25	03/14/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	03/14/25	03/14/25
2-Butanone	ND		ug/L	100	2.0	03/14/25	03/14/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Chloroform	0.2	J	ug/L	5.0	0.1	03/14/25	03/14/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Benzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Trichloroethene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Dibromomethane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	03/14/25	03/14/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Toluene	ND		ug/L	5.0	0.2	03/14/25	03/14/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Tetrachloroethene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
m,p-Xylenes	ND		ug/L	10	0.2	03/14/25	03/14/25
o-Xylene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Styrene	ND		ug/L	5.0	0.08	03/14/25	03/14/25
Bromoform	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/14/25	03/14/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/14/25	03/14/25

ENTHALPY ANALYTICAL

Batch QC

QC1238959 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
Bromobenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	03/14/25	03/14/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/14/25	03/14/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	03/14/25	03/14/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Naphthalene	ND		ug/L	5.0	0.3	03/14/25	03/14/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	03/14/25	03/14/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	03/14/25	03/14/25
Xylene (total)	ND		ug/L	5.0		03/14/25	03/14/25
Surrogates				**Limits**			
Dibromofluoromethane	106%		%REC	70-130		03/14/25	03/14/25
1,2-Dichloroethane-d4	113%		%REC	70-130		03/14/25	03/14/25
Toluene-d8	101%		%REC	70-130		03/14/25	03/14/25
Bromofluorobenzene	98%		%REC	70-130		03/14/25	03/14/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1239029**	**Batch:**	**365910**
Matrix (Source ID):	**Water (528029-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1239029 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	24.29	ND	20.00	ug/L	121%		70-130	1
MTBE	21.75	ND	20.00	ug/L	109%		75-130	1
Benzene	20.06	0.1201	20.00	ug/L	100%		70-130	1
Trichloroethene	21.72	ND	20.00	ug/L	109%		63-130	1
Toluene	21.08	ND	20.00	ug/L	105%		70-130	1
Chlorobenzene	22.27	ND	20.00	ug/L	111%		70-130	1
Surrogates								
Dibromofluoromethane	53.23		50.00	ug/L	106%		70-130	1
1,2-Dichloroethane-d4	57.50		50.00	ug/L	115%		70-130	1
Toluene-d8	48.99		50.00	ug/L	98%		70-130	1
Bromofluorobenzene	47.73		50.00	ug/L	95%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239030	Batch:	365910
Matrix (Source ID):	Water (528029-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239030 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	20.22	ND	20.00	ug/L	101%		70-130	18	30	1
MTBE	18.03	ND	20.00	ug/L	90%		75-130	19	30	1
Benzene	16.25	0.1201	20.00	ug/L	81%		70-130	21	30	1
Trichloroethene	18.03	ND	20.00	ug/L	90%		63-130	19	30	1
Toluene	16.91	ND	20.00	ug/L	85%		70-130	22	30	1
Chlorobenzene	17.97	ND	20.00	ug/L	90%		70-130	21	30	1
Surrogates										
Dibromofluoromethane	50.36		50.00	ug/L	101%		70-130			1
1,2-Dichloroethane-d4	55.71		50.00	ug/L	111%		70-130			1
Toluene-d8	50.05		50.00	ug/L	100%		70-130			1
Bromofluorobenzene	50.80		50.00	ug/L	102%		70-130			1

Type:	Blank	Lab ID:	QC1236259	Batch:	365119
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1236259 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/06/25	03/08/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	97%		%REC	80-120		03/06/25	03/08/25

Type:	Lab Control Sample	Lab ID:	QC1236260	Batch:	365119
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1236260 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.679	10.00	ug/L	87%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.930	10.00	ug/L	99%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1236261	Batch:	365119
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1236261 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.944	10.00	ug/L	89%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.01	10.00	ug/L	100%		80-120		

Type:	Blank	Lab ID:	QC1236819	Batch:	365289
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1236819 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/08/25	03/08/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1236820 **Batch:** 365289
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1236820 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike **Lab ID:** QC1236821 **Batch:** 365289
Matrix (Source ID): Water (528029-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1236821 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1236822 **Batch:** 365289
Matrix (Source ID): Water (528029-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1236822 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1237895 **Batch:** 365597
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1237895 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/11/25	03/12/25

Type: Lab Control Sample **Lab ID:** QC1237896 **Batch:** 365597
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1237896 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	22.79	25.00	mg/L	91%		85-115

Type: Matrix Spike **Lab ID:** QC1237897 **Batch:** 365597
Matrix (Source ID): Water (527813-006) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1237897 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	33.28	5.541	25.00	mg/L	111%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1237898 **Batch:** 365597
Matrix (Source ID): Water (527813-006) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1237898 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	28.56	5.541	25.00	mg/L	92%		75-125	15	25	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	Lab ID: QC1236300	Batch: 365155
Matrix (Source ID): Water (527991-001)	Method: SM2130B	

QC1236300 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	4.170	4.130	NTU		1	20	1

Type: Blank	Lab ID: QC1237498	Batch: 365475
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1237498 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		03/10/25	03/10/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/10/25	03/10/25

Type: Lab Control Sample	Lab ID: QC1237499	Batch: 365475
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1237499 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	925.3	1000	mg/L	93%		90-110

Type: Sample Duplicate	Lab ID: QC1237833	Batch: 365475
Matrix (Source ID): Water (528202-002)	Method: SM2320B	Prep Method: METHOD

QC1237833 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	ND	ND	mg/L			20	0.5
Alkalinity, Total as CaCO3	ND	ND	mg/L			20	0.5

Type: Sample Duplicate	Lab ID: QC1237929	Batch: 365607
Matrix (Source ID): Water (528029-001)	Method: SM2510B	Prep Method: METHOD

QC1237929 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	333.4	328.1	umhos/cm		2	20	1

Type: Blank	Lab ID: QC1237917	Batch: 365604
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC1237917 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		03/11/25	03/13/25

Type: Lab Control Sample	Lab ID: QC1237919	Batch: 365604
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC1237919 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	931.0	1000	mg/L	93%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1237920	Batch:	365604
Matrix (Source ID):	Water (528155-007)	Method:	SM2540C	Prep Method:	METHOD

QC1237920 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	3,628	3780	mg/L		4	5	4

Type:	Sample Duplicate	Lab ID:	QC1237922	Batch:	365604
Matrix (Source ID):	Water (528029-002)	Method:	SM2540C	Prep Method:	METHOD

QC1237922 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,135	1310	mg/L		14*	5	5

Type:	Blank	Lab ID:	QC1238776	Batch:	365861
Matrix:	Water	Method:	SM5220D	Prep Method:	METHOD

QC1238776 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	03/13/25	03/14/25

Type:	Lab Control Sample	Lab ID:	QC1238777	Batch:	365861
Matrix:	Water	Method:	SM5220D	Prep Method:	METHOD

QC1238777 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	982.0	1000	mg/L	98%		90-110

Type:	Matrix Spike	Lab ID:	QC1238831	Batch:	365861
Matrix (Source ID):	Water (527960-001)	Method:	SM5220D	Prep Method:	METHOD

QC1238831 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,042	88.00	1000	mg/L	95%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1238832	Batch:	365861
Matrix (Source ID):	Water (527960-001)	Method:	SM5220D	Prep Method:	METHOD

QC1238832 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,084	88.00	1000	mg/L	100%		75-125	4	20	2

* Value is outside QC limits

E Response exceeds instrument's linear range

J Estimated value

ND Not Detected

NM Not Meaningful

Laboratory Job Number 528029

Subcontracted Products

McCampbell Analytical, Inc.

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"When Quality Counts"

Analytical Report

WorkOrder: 2503374

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-528029

Project Location:
Project Received: 03/07/2025

Analytical Report reviewed & approved for release on 03/13/2025 by:

Ana Venegas
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503374

Project: EO-528029

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503374

Project: EO-528029

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	Aqueous sample that contains greater than ~1 vol. % sediment

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503374
Date Received:	03/07/2025 10:00	**Extraction Method:**	RSK175
Date Prepared:	03/12/2025	**Analytical Method:**	RSK175
Project:	EO-528029	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH	2503374-001A	Water	03/05/2025 10:40	GC26 0312250904.D	313136

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**300**	50	50	1	03/12/2025 12:47

Analyst(s): PRE Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EAST	2503374-002A	Water	03/05/2025 11:00	GC26 0312250905.D	313136

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1000**	50	50	1	03/12/2025 13:02

Analyst(s): PRE Analytical Comments: b1

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503374
Date Prepared:	03/12/2025	**BatchID:**	313136
Date Analyzed:	03/12/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528029	**Sample ID:**	MB/LCS/LCSD-313136

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	150	180	187.2	82	98	70-130	17.5	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503374 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-528029

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **5 days;**

Date Received: **03/07/2025**
Date Logged: **03/07/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503374-001	SOUTH	Water	3/5/2025 10:40	☐	A	A										
2503374-002	EAST	Water	3/5/2025 11:00	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Gemma Gomez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-528029
Comments

Work Order: 2503374
QC Level: LEVEL 2
Date Logged: 3/7/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/5/2025 10:40	5 days	3/14/2025	1%+	☐	☐
002A	EAST	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/5/2025 11:00	5 days	3/14/2025	1%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

25033374

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528029
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH	05-MAR-2025 10:40	528029-001	2	Water	RSK-175 CO2	
EAST	05-MAR-2025 11:00	528029-002	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	J. Whittington EA-ORA	
	Date: 3/6/25 1800	Date: 3/7/25 1000
	Date:	Date:
	Date:	Date:

1 of 1

gls 562727468

0.2 wet

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528029

Date and Time Received: 3/7/2025 10:00
Date Logged: 3/7/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

WorkOrder №: 2503374 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☐	No ☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 0.2°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528030
Report Level : II
Report Date : 03/20/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - Chiquita Canyon Landfill - Subchapter N

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	528030 SW - SUBCHAPTER N Chiquita Canyon Landfill - Subchapter N 03/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	528030-001	03/05/25 10:40	Water
SOUTH BASIN - EASTERN INLET	528030-002	03/05/25 11:00	Water
TRIP BLANK	528030-003	03/05/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528030 Project No: SW - SUBCHAPTER N Location: Chiquita Canyon Landfill - Subchapter N Date Received: 03/05/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.

Semivolatile Organics by GC/MS (EPA 625.1):

- SOUTH BASIN - EASTERN INLET (lab # 528030-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 200.8):

- Low recoveries were observed for arsenic and chromium in the MS/MSD for batch 365105; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Biochemical Oxygen Demand (SM5210B):

No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

Login 528030

FGL

Chain of Custody

Pg 2 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To

tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910
stormwater@wasteconnections.com

Sampler Name: Scott Toub, Caleb Heicyb

Project Information

Project ID: Chiquita Canyon Landfill - Subchapter N

Project Number:

TAT: Standard (10 Days) ● | Rush (___ Days / Hours) ○

IR 11

15.4

*Excluding parameters sampled as part of IGP analysis

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	BOD (SM 5210B)	Ammonia (as Nitrogen) (SM 2540-D)	α - Terpineol (USEPA 8270)	Benzoic Acid (USEPA 625)	Naphthalene (USEPA 625)	p-Cresol (USEPA 625)	Phenol (USEPA 625)	Pyridine (USEPA 625)	Arsenic (USEPA 200.8)	Chromium (USEPA 200.7/200.8)	Zinc (USEPA 200.8)	Notes
SOUTH Basin- Western Inlet	3/5	1040		X	X		X	X	X	X	X	X	X			5	X	X	X	X	X	X	X	X	X	X	X	Field pH: 8.72
SOUTH Basin- Eastern Inlet	3/5	1100		X	X		X	X	X	X	X	X	X			5	X	X	X	X	X	X	X	X	X	X	X	Field pH: 8.53

Relinquished by	Received by	Date	Time
	Hansen	3/5/25	5:00pm

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time. | Mileage. | Misc. Supplies.

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/5/25 WO# 528030 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☑ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

3,5,25 HXD

Date Opened 3/5/25 By (initials) HXD Type of ice used: HXD 3,5,25 ■ Wet ☐ Blue/Gel ☑ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 19 CF: +0.1

Cooler Temp (°C) #1: 15.3 / 15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?		X	
7) Does the container count match the CoC? 3/6/25	~~X~~	X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.6 - SAMPLING TIME DISCREPANCY - 1040 FOR -001 AND 1100 FOR -002 PER COC, 1100 FOR -001 AND 1130 FOR -002 PER LABEL

4.7 - RECEIVED 4 CONTAINERS PER SAMPLE, COC LISTED AS 5 CONTAINERS.

☐ **No additional discrepancies**

Date Logged 3/5/25 **By (print)** ABD **(sign)** _____

Date Labeled 3/5/25 **By (print)** orange EA **(sign)** _____

Outlook

Fw: Waste Connections LR# 528029, 528030, 528031, 528033

From David Tripp <david.tripp@enthalpy.com>
Date Thu 3/6/2025 11:49 AM
To Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Fernando Diwa <fernando.diwa@enthalpy.com>
Sent: Thursday, March 6, 2025 11:26 AM
To: Zach Barker <Zach.barker@enthalpy.com>
Cc: David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
Subject: Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

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Outlook

Re: [External] Re: 3-5-25 Storm Water COC

From Elbie Cannon <ecannon@cteh.com>
Date Wed 3/5/2025 6:02 PM
To David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc Elbie Cannon <ecannon@montrose-env.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 7:15:49 PM
To: Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] Re: 3-5-25 Storm Water COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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Outlook

Re: [External] - Re: 3-5-25 Storm Water COC

From David Tripp <david.tripp@enthalpy.com>
Date Wed 3/5/2025 5:57 PM
To Matt Breuer <Matt.Breuer@WasteConnections.com>
Cc Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling'* requirement that was not met (was not received on ice).

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Matt Breuer <Matt.Breuer@WasteConnections.com>
Sent: Wednesday, March 5, 2025 5:52 PM
To: David Tripp <david.tripp@enthalpy.com>
Cc: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 5:16 PM
To: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: Re: 3-5-25 Storm Water COC

This Message Is From an External Sender
This message came from outside your organization.
Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

Analysis Results for 528030

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528030
Project No: SW - SUBCHAPTER N
Location: Chiquita Canyon Landfill - Subchapter N
Date Received: 03/05/25

Sample ID: SOUTH BASIN - WESTERN INLET | **Lab ID:** 528030-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

528030-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**26**		ug/L	2.0	0.22	1	365105	03/06/25	03/06/25	DXC
Chromium	**80**		ug/L	5.0	0.34	1	365105	03/06/25	03/06/25	DXC
Zinc	**540**		ug/L	100	74	10	365105	03/06/25	03/06/25	DXC
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.44**		mg/L	0.10	0.050	1	366264	03/18/25	03/19/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	**55**	J	ug/L	200	25	4	365181	03/07/25	03/07/25	ZFA
Pyridine	ND		ug/L	40	6.9	4	365181	03/07/25	03/07/25	ZFA
Phenol	ND		ug/L	40	3.1	4	365181	03/07/25	03/07/25	ZFA
2-Methylphenol	ND		ug/L	40	5.3	4	365181	03/07/25	03/07/25	ZFA
3-,4-Methylphenol	ND		ug/L	40	5.2	4	365181	03/07/25	03/07/25	ZFA
Naphthalene	ND		ug/L	40	4.5	4	365181	03/07/25	03/07/25	ZFA
Cresol	ND		ug/L	40		4	365181	03/07/25	03/07/25	ZFA
TIC:a-Terpineol	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	35%		%REC	10-140		4	365181	03/07/25	03/07/25	ZFA
Phenol-d6	33%		%REC	10-140		4	365181	03/07/25	03/07/25	ZFA
2,4,6-Tribromophenol	70%		%REC	12-140		4	365181	03/07/25	03/07/25	ZFA
Nitrobenzene-d5	42%		%REC	10-140		4	365181	03/07/25	03/07/25	ZFA
2-Fluorobiphenyl	39%		%REC	11-140		4	365181	03/07/25	03/07/25	ZFA
Terphenyl-d14	64%		%REC	20-140		4	365181	03/07/25	03/07/25	ZFA
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**22**		mg/L	3.0		1	365122	03/06/25 17:43	03/11/25 14:18	AAB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528030

Sample ID:	Lab ID: 528030-002	Collected: 03/05/25 11:00
SOUTH BASIN - EASTERN INLET	Matrix: Water	

528030-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**61**		ug/L	20	2.2	10	365105	03/06/25	03/06/25	DXC
Chromium	**300**		ug/L	50	3.4	10	365105	03/06/25	03/06/25	DXC
Zinc	**2,400**		ug/L	100	74	10	365105	03/06/25	03/06/25	DXC
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.87**		mg/L	0.10	0.050	1	366264	03/18/25	03/19/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	ND		ug/L	1,000	130	20	365181	03/07/25	03/07/25	ZFA
Pyridine	ND		ug/L	200	35	20	365181	03/07/25	03/07/25	ZFA
Phenol	ND		ug/L	200	15	20	365181	03/07/25	03/07/25	ZFA
2-Methylphenol	ND		ug/L	200	26	20	365181	03/07/25	03/07/25	ZFA
3-,4-Methylphenol	ND		ug/L	200	26	20	365181	03/07/25	03/07/25	ZFA
Naphthalene	ND		ug/L	200	22	20	365181	03/07/25	03/07/25	ZFA
Cresol	ND		ug/L	200		20	365181	03/07/25	03/07/25	ZFA
TIC:a-Terpineol	ND		ug/L			20	365181	03/07/25	03/07/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	37%		%REC	10-140		20	365181	03/07/25	03/07/25	ZFA
Phenol-d6	35%		%REC	10-140		20	365181	03/07/25	03/07/25	ZFA
2,4,6-Tribromophenol	37%		%REC	12-140		20	365181	03/07/25	03/07/25	ZFA
Nitrobenzene-d5	39%		%REC	10-140		20	365181	03/07/25	03/07/25	ZFA
2-Fluorobiphenyl	39%		%REC	11-140		20	365181	03/07/25	03/07/25	ZFA
Terphenyl-d14	44%		%REC	20-140		20	365181	03/07/25	03/07/25	ZFA
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**9.5**		mg/L	3.0		1	365122	03/06/25 17:43	03/11/25 14:18	AAB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1236114** **Batch: 365105**
Matrix: Water **Method: EPA 200.8** **Prep Method: EPA 3015A**

QC1236114 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.22	03/06/25	03/06/25
Chromium	ND		ug/L	5.0	0.34	03/06/25	03/06/25
Zinc	ND		ug/L	10	7.4	03/06/25	03/06/25

Type: Lab Control Sample **Lab ID: QC1236115** **Batch: 365105**
Matrix: Water **Method: EPA 200.8** **Prep Method: EPA 3015A**

QC1236115 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	100.3	100.0	ug/L	100%		85-115
Chromium	104.1	100.0	ug/L	104%		85-115

Type: Matrix Spike **Lab ID: QC1236116** **Batch: 365105**
Matrix (Source ID): Water (528033-002) **Method: EPA 200.8** **Prep Method: EPA 3015A**

QC1236116 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	94.40	60.12	100.0	ug/L	34%	*	70-130	10
Chromium	421.2	357.1	100.0	ug/L	64%	*	70-130	10

Type: Matrix Spike Duplicate **Lab ID: QC1236117** **Batch: 365105**
Matrix (Source ID): Water (528033-002) **Method: EPA 200.8** **Prep Method: EPA 3015A**

QC1236117 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	106.2	60.12	100.0	ug/L	46%	*	70-130	12	20	10
Chromium	392.2	357.1	100.0	ug/L	35%	*	70-130	7	20	10

Type: Lab Control Sample **Lab ID: QC1240143** **Batch: 366264**
Matrix: Water **Method: EPA 350.1** **Prep Method: METHOD**

QC1240143 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.020	1.000	mg/L	102%		90-110

Type: Blank **Lab ID: QC1240144** **Batch: 366264**
Matrix: Water **Method: EPA 350.1** **Prep Method: METHOD**

QC1240144 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/18/25	03/19/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1240266	Batch:	366264
Matrix (Source ID):	Drinking Water (528142-001)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1240266 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.282	0.2637	1.000	mg/L	102%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1240267	Batch:	366264
Matrix (Source ID):	Drinking Water (528142-001)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1240267 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.287	0.2637	1.000	mg/L	102%		90-110	0	20	1

Type:	Blank	Lab ID:	QC1236402	Batch:	365181
Matrix:	Water	Method:	EPA 625.1	Prep Method:	EPA 3510C

QC1236402 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	6.3	03/07/25	03/07/25
Pyridine	ND		ug/L	10	1.7	03/07/25	03/07/25
Phenol	ND		ug/L	10	0.77	03/07/25	03/07/25
2-Methylphenol	ND		ug/L	10	1.3	03/07/25	03/07/25
3-,4-Methylphenol	ND		ug/L	10	1.3	03/07/25	03/07/25
Naphthalene	ND		ug/L	10	1.1	03/07/25	03/07/25
Cresol	ND		ug/L	10		03/07/25	03/07/25
TIC:a-Terpineol	ND		ug/L			03/07/25	03/07/25
Surrogates				**Limits**			
2-Fluorophenol	40%		%REC	20-140		03/07/25	03/07/25
Phenol-d6	25%		%REC	20-140		03/07/25	03/07/25
2,4,6-Tribromophenol	51%		%REC	20-140		03/07/25	03/07/25
Nitrobenzene-d5	59%		%REC	20-140		03/07/25	03/07/25
2-Fluorobiphenyl	53%		%REC	20-140		03/07/25	03/07/25
Terphenyl-d14	66%		%REC	20-140		03/07/25	03/07/25

Type:	Lab Control Sample	Lab ID:	QC1236403	Batch:	365181
Matrix:	Water	Method:	EPA 625.1	Prep Method:	EPA 3510C

QC1236403 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	22.69	75.00	ug/L	30%		13-120
3-,4-Methylphenol	45.48	75.00	ug/L	61%		29-120
Surrogates						
2-Fluorophenol	16.86	40.00	ug/L	42%		20-140
Phenol-d6	11.19	40.00	ug/L	28%		20-140
2,4,6-Tribromophenol	28.91	40.00	ug/L	72%		20-140
Nitrobenzene-d5	28.08	40.00	ug/L	70%		20-140
2-Fluorobiphenyl	24.14	40.00	ug/L	60%		20-140
Terphenyl-d14	27.11	40.00	ug/L	68%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1236404**	**Batch:**	**365181**
Matrix:	**Water**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1236404 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	22.36	75.00	ug/L	30%		13-120	1	62
3-,4-Methylphenol	44.09	75.00	ug/L	59%		29-120	3	62
Surrogates								
2-Fluorophenol	16.39	40.00	ug/L	41%		20-140		
Phenol-d6	11.28	40.00	ug/L	28%		20-140		
2,4,6-Tribromophenol	30.42	40.00	ug/L	76%		20-140		
Nitrobenzene-d5	28.13	40.00	ug/L	70%		20-140		
2-Fluorobiphenyl	24.83	40.00	ug/L	62%		20-140		
Terphenyl-d14	29.44	40.00	ug/L	74%		20-140		

Type:	**Blank**	**Lab ID:**	**QC1236186**	**Batch:**	**365122**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1236186 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/06/25 17:43	03/11/25 14:18

Type:	**Lab Control Sample**	**Lab ID:**	**QC1236187**	**Batch:**	**365122**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1236187 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	205.4	198.0	mg/L	104%		84.6-115.4

Type:	**Sample Duplicate**	**Lab ID:**	**QC1236188**	**Batch:**	**365122**
Matrix (Source ID):	**Water (528013-001)**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1236188 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Biochemical Oxygen Demand	517.0	398.5	mg/L		26	30	1

* Value is outside QC limits
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528031
Report Level : II
Report Date : 03/19/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Chiquita Canyon Landfill - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	528031
Project No:	SW - IGP
Location:	Chiquita Canyon Landfill - IGP
Date Received:	03/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	528031-001	03/05/25 10:40	Water
SOUTH BASIN - EASTERN INLET	528031-002	03/05/25 11:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528031 Project No: SW - IGP Location: Chiquita Canyon Landfill - IGP Date Received: 03/05/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.

Metals (EPA 200.7):

- Iron was detected above the RL in the method blank for batch 365124; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 365073; affected data was qualified with "E".
- No other analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):
No analytical problems were encountered.

SWT ENGINEERING

Login 528031

Chain of Custody

Pg 3 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To: stormwater@wasteconnections.com; tmb@swteng.com / 909-390-1328; aav@swteng.com / 415-717-0910

Sampler Name: Scott Tomes; Caleb Hercyk

Project Information: Project ID: Chiquita Canyon Landfill - IGP; Project Number:

TAT: Standard (10 Days) ●; Rush (___ Days / Hours) ○

IR 11
~~15.3~~ 15.4
HD

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Container: Poly	Container: Glass	Container: Sleeve	Container: Other	Preservative: HCl	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers per Sample ID	TSS (SM 2540-D)	O&G (EPA 1664A)	Fe (EPA 200.7)	Chloride (EPA 300.0)	Coliform Bacteria, Total (EPA 9221 B, C, or E)	E coli (SM 9221F)	Notes
SOUTH Basin- Western Inlet	3/5	1040		X	X		X	X	X		X	X	X			6	X	X	X	X	X	X	Field pH: 8.72
SOUTH Basin- Eastern Inlet	3/5	1100		X	X		X	X	X		X	X	X			6	X	X	X	X	X	X	Field pH: 8.55

Relinquished by	Received by	Date	Time
		3/5/2025	5:00pm

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/5/25 WO# 528031 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☑ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

3,5,25 HXD

Date Opened 3/5/25 By (initials) HXD Type of ice used: HXD 03,05,25 ■ Wet ☐ Blue/Gel ☑ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 11 CF: +0.1

Cooler Temp (°C) #1: 15.3/15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

3,5,25 HXD

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?		X	
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.6 - SAMPLING TIME DISCREPANCY - 1040 FOR -001 AND 1100 FOR -002 PER COC, 1100 FOR -001 AND 1130 FOR -002 PER LABEL.

☐ **No additional discrepancies**

Date Logged 3/5/25 **By (print)** ABD **(sign)** ABD

Date Labeled 3/5/25 **By (print)** orange EA **(sign)** _____

Outlook

Fw: Waste Connections LR# 528029, 528030, 528031, 528033

From David Tripp <david.tripp@enthalpy.com>
Date Thu 3/6/2025 11:49 AM
To Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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From: Fernando Diwa <fernando.diwa@enthalpy.com>
Sent: Thursday, March 6, 2025 11:26 AM
To: Zach Barker <Zach.barker@enthalpy.com>
Cc: David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
Subject: Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

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Outlook

Re: [External] Re: 3-5-25 Storm Water COC

From Elbie Cannon <ecannon@cteh.com>
Date Wed 3/5/2025 6:02 PM
To David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc Elbie Cannon <ecannon@montrose-env.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 7:15:49 PM
To: Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] Re: 3-5-25 Storm Water COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
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From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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Outlook

Re: [External] - Re: 3-5-25 Storm Water COC

From David Tripp <david.tripp@enthalpy.com>
Date Wed 3/5/2025 5:57 PM
To Matt Breuer <Matt.Breuer@WasteConnections.com>
Cc Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling'* requirement that was not met (was not received on ice).

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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From: Matt Breuer <Matt.Breuer@WasteConnections.com>
Sent: Wednesday, March 5, 2025 5:52 PM
To: David Tripp <david.tripp@enthalpy.com>
Cc: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 5:16 PM
To: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: Re: 3-5-25 Storm Water COC

This Message Is From an External Sender
This message came from outside your organization.
Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

Analysis Results for 528031

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528031
Project No: SW - IGP
Location: Chiquita Canyon Landfill - IGP
Date Received: 03/05/25

Sample ID: SOUTH BASIN - WESTERN INLET | **Lab ID:** 528031-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

528031-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**6.1**		mg/L	4.8	2.0	0.95	365784	03/13/25	03/16/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**36**		mg/L	0.046	0.046	1	365124	03/06/25	03/07/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**15**		mg/L	1.0	0.27	1	365073	03/06/25 11:30	03/07/25 07:26	JAA
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	365093	03/05/25 17:54	03/07/25 15:46	BLV
Method: SM 9221F										
Coliform, E. Coli	**1,600**		MPN/100ml	1.8		1	365093	03/05/25 17:54	03/07/25 15:46	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**2,000**		mg/L	0.5		1	365515	03/11/25	03/11/25	DXA

Sample ID: SOUTH BASIN - EASTERN INLET | **Lab ID:** 528031-002 | **Matrix:** Water | **Collected:** 03/05/25 11:00

528031-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**13**		mg/L	4.8	2.0	0.95	365784	03/13/25	03/16/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**110**		mg/L	0.46	0.46	10	365124	03/06/25	03/08/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**35**		mg/L	1.0	0.27	1	365073	03/06/25 11:30	03/07/25 08:08	JAA
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	365093	03/05/25 17:54	03/07/25 15:46	BLV
Method: SM 9221F										
Coliform, E. Coli	**350**		MPN/100ml	1.8		1	365093	03/05/25 17:54	03/07/25 15:46	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**10,000**		mg/L	0.5		1	365515	03/11/25	03/11/25	DXA

> Value exceeds indicated concentration

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528031

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1239352	Batch: 365784
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239352 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	03/13/25	03/16/25

Type: Lab Control Sample	Lab ID: QC1239353	Batch: 365784
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239353 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.20	40.00	mg/L	91%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1239354	Batch: 365784
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239354 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.30	40.00	mg/L	91%		78-114	0	18

Type: Blank	Lab ID: QC1236176	Batch: 365124
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236176 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	0.072		mg/L	0.046	0.046	03/06/25	03/07/25

Type: Lab Control Sample	Lab ID: QC1236177	Batch: 365124
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236177 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.4122	0.4000	mg/L	103%		85-115

Type: Matrix Spike	Lab ID: QC1236178	Batch: 365124
Matrix (Source ID): Water (528126-005)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236178 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	10.52	10.17	0.4000	mg/L	86%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1236179	Batch: 365124
Matrix (Source ID): Water (528126-005)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1236179 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	10.54	10.17	0.4000	mg/L	91%	NM	75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Serial Dilution**	**Lab ID:**	**QC1236273**	**Batch:**	**365124**
Matrix (Source ID):	**Water (528126-005)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 3015A**

QC1236273 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	10.46	10.17	mg/L				5

Type:	**Blank**	**Lab ID:**	**QC1236018**	**Batch:**	**365073**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236018 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	03/06/25 11:30	03/06/25 15:25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1236019**	**Batch:**	**365073**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236019 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.06	50.00	mg/L	94%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1236020**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528085-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236020 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	338.2	243.6	100.0	mg/L	95%	E	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1236021**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528085-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236021 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	340.0	243.6	100.0	mg/L	96%	E	80-120		20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1236023**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528088-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236023 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	111.0	9.608	100.0	mg/L	101%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1236024**	**Batch:**	**365073**
Matrix (Source ID):	**Drinking Water (528088-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1236024 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	114.8	9.608	100.0	mg/L	105%		80-120	3	20	1

Type:	**Blank**	**Lab ID:**	**QC1237646**	**Batch:**	**365515**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1237646 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		03/11/25	03/11/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1237647**	**Batch:**	**365515**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1237647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	97.85	100.0	mg/L	98%		90-110

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1237648**	**Batch:**	**365515**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1237648 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	99.20	100.0	mg/L	99%		90-110	1	5

Type:	**Sample Duplicate**	**Lab ID:**	**QC1237649**	**Batch:**	**365515**
Matrix (Source ID):	**Water (528109-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1237649 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	72.50	69.50	mg/L		4	5	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC1237650**	**Batch:**	**365515**
Matrix (Source ID):	**Water (528109-003)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1237650 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	52.00	53.00	mg/L		2	5	1

E	Response exceeds instrument's linear range
ND	Not Detected
NM	Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	528033
Report Level	:	II
Report Date	:	03/24/2025
Revision	:	**1 (See narrative)**

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - Chiquita Canyon Landfill - Appendix II Parameters

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Project No: Location: Date Received:	528033 SW - APPENDIX II Chiquita Canyon Landfill - Appendix II Parameters 03/05/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN - WESTERN INLET	528033-001	03/05/25 10:40	Water
SOUTH BASIN - EASTERN INLET	528033-002	03/05/25 11:00	Water
TRIP BLANK	528033-003	03/05/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528033 Project No: SW - APPENDIX II Location: Chiquita Canyon Landfill - Appendix II Parameters Date Received: 03/05/25

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.
- This report was revised on 03/24/25 to include subcontracted 8141 and 8290 data.

Volatile Organics by GC/MS (EPA 8260B):

- SOUTH BASIN - WESTERN INLET (lab # 528033-001) and SOUTH BASIN - EASTERN INLET (lab # 528033-002) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

- Bis(2-ethylhexyl)phthalate was detected between the MDL and the RL in the method blank for batch 365181; this analyte was not detected in samples at or above the RL.
- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 200.8 and EPA 245.1):

- High response was observed for antimony in the ICV analyzed 03/06/25 12:33; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- High response was observed for antimony in the CCV analyzed 03/06/25 18:16; affected data was qualified with "b".
- High recovery was observed for antimony in the LCS for batch 365105; this analyte was not detected at or above the RL in the associated samples.
- Low recoveries were observed for many analytes in the MS/MSD of SOUTH BASIN - EASTERN INLET (lab # 528033-002); the associated RPDs were within limits.
- Tin was detected between the MDL and the RL in the method blank for batch 365105; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Total Phenolics (EPA 420.1):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):
No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

Login 528033

Chain of Custody

Pg 4 of 4

Report To	Invoice To
Company: Chiquita Canyon Landfill	Contact: Chiquita Canyon Landfill
Attn: Kate Logan	Attn: Maribel Bolanos
Phone/Fax: 682-559-3880	Address: 29201 Henry Mayo Dr. Castaic, CA 91384
Email Address: Kate.Logan@WasteConnections.com	Phone/Fax: (661) 257-3655

Additionally Report To:
stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: Scott Tangs, Caleb Hc/cyb

Project Information
Project ID: Chiquita Canyon Landfill - Appendix II Parameters
Project Number:

TAT: Standard (10 Days) ● / Rush (___ Days / Hours) ○

IR 11
15.4

Sample Identification	Sample Collection Date	Sample Collection Time	Container: 40ml Vial	Poly	Glass	Sleeve	Other	Preservative: HCl	HNO3	H2SO4	Other	None	Matrix: Water	Soil	Other	Total Number of Containers per Sample ID	Analysis Request: 8260 Appendix II*	8270 Appendix II*	8081-8082*	8141A*	8151A*	Metals, Total**	Total Cyanide	Total Phenols, Sulfides	8290 2378TCDD			Notes
SOUTH Basin- Western Inlet	3/5	1040														1	X	X	X	X	X	X	X	X	X			Field pH: 8,72
SOUTH Basin- Eastern Inlet	3/5	1100														1	X	X	X	X	X	X	X	X	X			Field pH: 8,55

Special Requirments/Billing Info:
*Report only the compounds on the 40CFR258 Appx II list
** Metals; Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn, V, Zn

Relinquished by	Received by	Date	Time
		3/5/2025	5:00pm

DDW Write On EDT Transmission? ○ Yes ● No
State System Number: _____
If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No
Global ID: Sampling Company Log Code:
EDF to (Email Address):

Travel and Site Time:	Mileage:	Misc. Supplies:

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/5/25 WO# 528033 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☑ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

03,05,25 HXD

Date Opened 3/5/25 By (initials) HXD Type of ice used: HXD - 03,05,25 ■ Wet ☐ Blue/Gel ☑ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 15.3 / 15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?		X	
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?		X	
7) Does the container count match the CoC? 3 R/M	~~X~~	X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?		X	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.1: Matrix and preservative are not filled out.

4.6 – SAMPLING TIME DISCREPANCY – 1040 FOR -001 AND 1100 FOR -002 PER COC, 1100 FOR -001 AND 1130 PER LABEL

4.7 – RECEIVED 16 CONTAINERS PER SAMPLE, COC LISTED 17 CONTAINERS.

4.13 – HEADSPACE >6mm IN 3/17 VIALS OF SAMPLE-002.

☐ **No additional discrepancies**

Date Logged 3/5/25 **By (print)** ABD **(sign)** [signature]

Date Labeled 3/5/25 **By (print)** orange EA **(sign)** _____

Outlook

Fw: Waste Connections LR# 528029, 528030, 528031, 528033

From David Tripp <david.tripp@enthalpy.com>
Date Thu 3/6/2025 11:49 AM
To Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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From: Fernando Diwa <fernando.diwa@enthalpy.com>
Sent: Thursday, March 6, 2025 11:26 AM
To: Zach Barker <Zach.barker@enthalpy.com>
Cc: David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
Subject: Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

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Outlook

Re: [External] Re: 3-5-25 Storm Water COC

From Elbie Cannon <ecannon@cteh.com>
Date Wed 3/5/2025 6:02 PM
To David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc Elbie Cannon <ecannon@montrose-env.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 7:15:49 PM
To: Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] Re: 3-5-25 Storm Water COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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Outlook

Re: [External] - Re: 3-5-25 Storm Water COC

From David Tripp <david.tripp@enthalpy.com>
Date Wed 3/5/2025 5:57 PM
To Matt Breuer <Matt.Breuer@WasteConnections.com>
Cc Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling*' requirement that was not met (was not received on ice).

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Matt Breuer <Matt.Breuer@WasteConnections.com>
Sent: Wednesday, March 5, 2025 5:52 PM
To: David Tripp <david.tripp@enthalpy.com>
Cc: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
Subject: [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

From: David Tripp <david.tripp@enthalpy.com>
Sent: Wednesday, March 5, 2025 5:16 PM
To: Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: Re: 3-5-25 Storm Water COC

This Message Is From an External Sender
This message came from outside your organization.

Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

David Tripp
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

From: Scott Toups <sctoups@montrose-env.com>
Sent: Wednesday, March 5, 2025 1:11 PM
To: David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

Analysis Results for 528033

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528033
Project No: SW - APPENDIX II
Location: Chiquita Canyon Landfill - Appendix II Parameters
Date Received: 03/05/25

Sample ID: SOUTH BASIN - WESTERN INLET | **Lab ID:** 528033-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

528033-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	**1.2**	B,J	ug/L	5.0	0.49	1	365105	03/06/25	03/06/25	DXC
Antimony	**1.4**	J,b	ug/L	2.0	0.31	1	365105	03/06/25	03/06/25	DXC
Arsenic	**33**		ug/L	2.0	0.22	1	365105	03/06/25	03/06/25	DXC
Barium	**1,200**		ug/L	100	9.2	20	365105	03/06/25	03/06/25	DXC
Beryllium	**2.4**		ug/L	1.0	0.076	1	365105	03/06/25	03/06/25	DXC
Cadmium	**2.5**		ug/L	1.0	0.26	1	365105	03/06/25	03/06/25	DXC
Chromium	**100**		ug/L	5.0	0.34	1	365105	03/06/25	03/06/25	DXC
Cobalt	**47**		ug/L	1.0	0.074	1	365105	03/06/25	03/06/25	DXC
Copper	**130**		ug/L	3.0	2.0	1	365105	03/06/25	03/06/25	DXC
Lead	**110**		ug/L	5.0	0.16	1	365105	03/06/25	03/06/25	DXC
Nickel	**94**		ug/L	5.0	0.84	1	365105	03/06/25	03/06/25	DXC
Selenium	**9.6**		ug/L	2.0	1.6	1	365105	03/06/25	03/06/25	DXC
Silver	**0.73**	J	ug/L	5.0	0.51	1	365105	03/06/25	03/06/25	DXC
Thallium	**0.95**	J	ug/L	1.0	0.19	1	365105	03/06/25	03/06/25	DXC
Vanadium	**160**		ug/L	5.0	0.36	1	365105	03/06/25	03/06/25	DXC
Zinc	**840**		ug/L	200	150	20	365105	03/06/25	03/06/25	DXC
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**0.43**		ug/L	0.40	0.032	1	365774	03/13/25	03/13/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.010**		mg/L	0.010	0.0047	1	366250	03/18/25	03/18/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.02	0.93	365372	03/10/25	03/11/25	MES
beta-BHC	ND		ug/L	0.05	0.02	0.93	365372	03/10/25	03/11/25	MES
gamma-BHC	ND		ug/L	0.05	0.02	0.93	365372	03/10/25	03/11/25	MES
delta-BHC	ND		ug/L	0.05	0.02	0.93	365372	03/10/25	03/11/25	MES
Heptachlor	ND		ug/L	0.05	0.01	0.93	365372	03/10/25	03/11/25	MES
Aldrin	ND		ug/L	0.05	0.02	0.93	365372	03/10/25	03/11/25	MES
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.93	365372	03/10/25	03/11/25	MES
Endosulfan I	ND		ug/L	0.05	0.02	0.93	365372	03/10/25	03/11/25	MES
Dieldrin	ND		ug/L	0.09	0.01	0.93	365372	03/10/25	03/11/25	MES
4,4'-DDE	ND		ug/L	0.09	0.02	0.93	365372	03/10/25	03/11/25	MES
Endrin	ND		ug/L	0.09	0.02	0.93	365372	03/10/25	03/11/25	MES
Endosulfan II	ND		ug/L	0.09	0.02	0.93	365372	03/10/25	03/11/25	MES
Endosulfan sulfate	ND		ug/L	0.09	0.02	0.93	365372	03/10/25	03/11/25	MES
4,4'-DDD	ND		ug/L	0.09	0.02	0.93	365372	03/10/25	03/11/25	MES
Endrin aldehyde	ND		ug/L	0.09	0.02	0.93	365372	03/10/25	03/11/25	MES
Endrin ketone	ND		ug/L	0.09	0.02	0.93	365372	03/10/25	03/11/25	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/L	0.09	0.03	0.93	365372	03/10/25	03/11/25	MES
Methoxychlor	ND		ug/L	0.09	0.06	0.93	365372	03/10/25	03/11/25	MES
Toxaphene	ND		ug/L	1.9	0.8	0.93	365372	03/10/25	03/11/25	MES
Chlordane (Technical)	ND		ug/L	0.9	0.2	0.93	365372	03/10/25	03/11/25	MES
Surrogates				**Limits**						
TCMX	79%		%REC	14-120		0.93	365372	03/10/25	03/11/25	MES
Decachlorobiphenyl	77%		%REC	20-120		0.93	365372	03/10/25	03/11/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.46	0.34	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1221	ND		ug/L	0.46	0.38	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1232	ND		ug/L	0.46	0.33	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1242	ND		ug/L	0.46	0.32	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1248	ND		ug/L	0.46	0.32	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1254	ND		ug/L	0.46	0.17	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1260	ND		ug/L	0.46	0.42	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1262	ND		ug/L	0.46	0.36	0.93	365372	03/10/25	03/11/25	MES
Aroclor-1268	ND		ug/L	0.46	0.23	0.93	365372	03/10/25	03/11/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	79%		%REC	18-126		0.93	365372	03/10/25	03/11/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Chloroprene	ND		ug/L	200	0.4	1	365173	03/07/25	03/07/25	LYZ
3-Chloropropene	ND		ug/L	5.0	0.6	1	365173	03/07/25	03/07/25	LYZ
Ethyl methacrylate	ND		ug/L	50	2.4	1	365173	03/07/25	03/07/25	LYZ
Ethanol	ND		ug/L	500	93	1	365173	03/07/25	03/07/25	LYZ
2-Hexanone	ND		ug/L	5.0	1.5	1	365173	03/07/25	03/07/25	LYZ
Isopropanol (IPA)	ND		ug/L	200	21	1	365173	03/07/25	03/07/25	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.9	1	365173	03/07/25	03/07/25	LYZ
Vinyl Acetate	ND		ug/L	50	2.6	1	365173	03/07/25	03/07/25	LYZ
Acrolein	ND		ug/L	200	4.2	1	365173	03/07/25	03/07/25	LYZ
Acrylonitrile	ND		ug/L	10	0.3	1	365173	03/07/25	03/07/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	365173	03/07/25	03/07/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365173	03/07/25	03/07/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	365173	03/07/25	03/07/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Iodomethane	ND		ug/L	5.0		1	365173	03/07/25	03/07/25	LYZ
Acetone	ND		ug/L	100	17	1	365173	03/07/25	03/07/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Methylene Chloride	ND		ug/L	10	3.5	1	365173	03/07/25	03/07/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
2-Butanone	**3.1**	J	ug/L	10	2.0	1	365173	03/07/25	03/07/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ

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ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Benzene	ND		ug/L	1.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
4-Methyl-2-Pentanone	**2.0**	J	ug/L	10	1.4	1	365173	03/07/25	03/07/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
m,p-Xylenes	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	365173	03/07/25	03/07/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365173	03/07/25	03/07/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365173	03/07/25	03/07/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365173	03/07/25	03/07/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	365173	03/07/25	03/07/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365173	03/07/25	03/07/25	LYZ
TIC:	ND					1	365173	03/07/25	03/07/25	LYZ

Surrogates	Limits

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromofluoromethane	107%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ
1,2-Dichloroethane-d4	109%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ
Toluene-d8	98%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ
Bromofluorobenzene	96%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.50	0.18	0.99	365723	03/12/25	03/13/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.50	0.24	0.99	365723	03/12/25	03/13/25	ZFA
Naphthalene	ND		ug/L	0.50	0.20	0.99	365723	03/12/25	03/13/25	ZFA
Acenaphthylene	ND		ug/L	0.50	0.21	0.99	365723	03/12/25	03/13/25	ZFA
Acenaphthene	ND		ug/L	0.50	0.17	0.99	365723	03/12/25	03/13/25	ZFA
Fluorene	ND		ug/L	0.50	0.16	0.99	365723	03/12/25	03/13/25	ZFA
Phenanthrene	ND		ug/L	0.50	0.19	0.99	365723	03/12/25	03/13/25	ZFA
Anthracene	ND		ug/L	0.50	0.18	0.99	365723	03/12/25	03/13/25	ZFA
Fluoranthene	ND		ug/L	0.50	0.17	0.99	365723	03/12/25	03/13/25	ZFA
Pyrene	ND		ug/L	0.50	0.16	0.99	365723	03/12/25	03/13/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.50	0.15	0.99	365723	03/12/25	03/13/25	ZFA
Chrysene	ND		ug/L	0.50	0.16	0.99	365723	03/12/25	03/13/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.50	0.16	0.99	365723	03/12/25	03/13/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	0.50	0.16	0.99	365723	03/12/25	03/13/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.50	0.12	0.99	365723	03/12/25	03/13/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.14	0.99	365723	03/12/25	03/13/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.18	0.99	365723	03/12/25	03/13/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.20	0.99	365723	03/12/25	03/13/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	59%		%REC	16-125		0.99	365723	03/12/25	03/13/25	ZFA
2-Fluorobiphenyl	62%		%REC	17-120		0.99	365723	03/12/25	03/13/25	ZFA
Terphenyl-d14	90%		%REC	39-123		0.99	365723	03/12/25	03/13/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	40	5.7	4	365181	03/07/25	03/07/25	ZFA
Pyridine	ND		ug/L	40	6.9	4	365181	03/07/25	03/07/25	ZFA
N-Nitrosodimethylamine	ND		ug/L	40	5.8	4	365181	03/07/25	03/07/25	ZFA
Phenol	**3.2**	J	ug/L	40	3.1	4	365181	03/07/25	03/07/25	ZFA
Aniline	ND		ug/L	40	6.6	4	365181	03/07/25	03/07/25	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	100	4.7	4	365181	03/07/25	03/07/25	ZFA
2-Chlorophenol	ND		ug/L	40	5.8	4	365181	03/07/25	03/07/25	ZFA
1,3-Dichlorobenzene	ND		ug/L	40	4.6	4	365181	03/07/25	03/07/25	ZFA
1,4-Dichlorobenzene	ND		ug/L	40	4.6	4	365181	03/07/25	03/07/25	ZFA
Benzyl alcohol	ND		ug/L	40	7.8	4	365181	03/07/25	03/07/25	ZFA
1,2-Dichlorobenzene	ND		ug/L	40	4.3	4	365181	03/07/25	03/07/25	ZFA
2-Methylphenol	ND		ug/L	40	5.3	4	365181	03/07/25	03/07/25	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	40	5.0	4	365181	03/07/25	03/07/25	ZFA
3-,4-Methylphenol	ND		ug/L	40	5.2	4	365181	03/07/25	03/07/25	ZFA
N-Nitroso-di-n-propylamine	ND		ug/L	40	6.1	4	365181	03/07/25	03/07/25	ZFA
Hexachloroethane	ND		ug/L	40	5.4	4	365181	03/07/25	03/07/25	ZFA
Nitrobenzene	ND		ug/L	100	4.9	4	365181	03/07/25	03/07/25	ZFA
Isophorone	ND		ug/L	40	8.7	4	365181	03/07/25	03/07/25	ZFA
2-Nitrophenol	ND		ug/L	40	8.7	4	365181	03/07/25	03/07/25	ZFA
2,4-Dimethylphenol	ND		ug/L	40	7.3	4	365181	03/07/25	03/07/25	ZFA
Benzoic acid	ND		ug/L	200	25	4	365181	03/07/25	03/07/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
bis(2-Chloroethoxy)methane	ND		ug/L	40	6.0	4	365181	03/07/25	03/07/25	ZFA
2,4-Dichlorophenol	ND		ug/L	40	8.6	4	365181	03/07/25	03/07/25	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	40	4.2	4	365181	03/07/25	03/07/25	ZFA
Naphthalene	ND		ug/L	40	4.5	4	365181	03/07/25	03/07/25	ZFA
4-Chloroaniline	ND		ug/L	40	6.6	4	365181	03/07/25	03/07/25	ZFA
Hexachlorobutadiene	ND		ug/L	40	4.3	4	365181	03/07/25	03/07/25	ZFA
4-Chloro-3-methylphenol	ND		ug/L	40	8.2	4	365181	03/07/25	03/07/25	ZFA
2-Methylnaphthalene	ND		ug/L	40	3.5	4	365181	03/07/25	03/07/25	ZFA
Hexachlorocyclopentadiene	ND		ug/L	100	35	4	365181	03/07/25	03/07/25	ZFA
2,4,6-Trichlorophenol	ND		ug/L	40	9.6	4	365181	03/07/25	03/07/25	ZFA
2,4,5-Trichlorophenol	ND		ug/L	40	11	4	365181	03/07/25	03/07/25	ZFA
2-Chloronaphthalene	ND		ug/L	40	3.4	4	365181	03/07/25	03/07/25	ZFA
2-Nitroaniline	ND		ug/L	200	7.5	4	365181	03/07/25	03/07/25	ZFA
Dimethylphthalate	ND		ug/L	40	6.9	4	365181	03/07/25	03/07/25	ZFA
Acenaphthylene	ND		ug/L	40	4.3	4	365181	03/07/25	03/07/25	ZFA
2,6-Dinitrotoluene	ND		ug/L	40	6.4	4	365181	03/07/25	03/07/25	ZFA
3-Nitroaniline	ND		ug/L	40	9.1	4	365181	03/07/25	03/07/25	ZFA
Acenaphthene	ND		ug/L	40	3.4	4	365181	03/07/25	03/07/25	ZFA
2,4-Dinitrophenol	ND		ug/L	200	40	4	365181	03/07/25	03/07/25	ZFA
4-Nitrophenol	ND		ug/L	40	8.7	4	365181	03/07/25	03/07/25	ZFA
Dibenzofuran	ND		ug/L	40	3.5	4	365181	03/07/25	03/07/25	ZFA
2,4-Dinitrotoluene	ND		ug/L	40	6.1	4	365181	03/07/25	03/07/25	ZFA
Diethylphthalate	ND		ug/L	40	6.3	4	365181	03/07/25	03/07/25	ZFA
Fluorene	ND		ug/L	40	3.7	4	365181	03/07/25	03/07/25	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	40	3.4	4	365181	03/07/25	03/07/25	ZFA
4-Nitroaniline	ND		ug/L	40	17	4	365181	03/07/25	03/07/25	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	200	10	4	365181	03/07/25	03/07/25	ZFA
N-Nitrosodiphenylamine	ND		ug/L	40	9.4	4	365181	03/07/25	03/07/25	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	40	4.3	4	365181	03/07/25	03/07/25	ZFA
4-Bromophenyl-phenylether	ND		ug/L	40	4.2	4	365181	03/07/25	03/07/25	ZFA
Hexachlorobenzene	ND		ug/L	40	5.1	4	365181	03/07/25	03/07/25	ZFA
Pentachlorophenol	ND		ug/L	100	41	4	365181	03/07/25	03/07/25	ZFA
Phenanthrene	ND		ug/L	40	4.0	4	365181	03/07/25	03/07/25	ZFA
Anthracene	ND		ug/L	40	4.3	4	365181	03/07/25	03/07/25	ZFA
Di-n-butylphthalate	ND		ug/L	40	7.7	4	365181	03/07/25	03/07/25	ZFA
Fluoranthene	ND		ug/L	40	4.8	4	365181	03/07/25	03/07/25	ZFA
Benzidine	ND		ug/L	200	31	4	365181	03/07/25	03/07/25	ZFA
Pyrene	ND		ug/L	40	4.9	4	365181	03/07/25	03/07/25	ZFA
Butylbenzylphthalate	ND		ug/L	40	10	4	365181	03/07/25	03/07/25	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	100	29	4	365181	03/07/25	03/07/25	ZFA
Benzo(a)anthracene	ND		ug/L	40	5.3	4	365181	03/07/25	03/07/25	ZFA
Chrysene	ND		ug/L	40	5.6	4	365181	03/07/25	03/07/25	ZFA
bis(2-Ethylhexyl)phthalate	**13**	B,J	ug/L	40	11	4	365181	03/07/25	03/07/25	ZFA
Di-n-octylphthalate	ND		ug/L	40	24	4	365181	03/07/25	03/07/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	40	7.5	4	365181	03/07/25	03/07/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	40	10	4	365181	03/07/25	03/07/25	ZFA
Benzo(a)pyrene	ND		ug/L	40	5.8	4	365181	03/07/25	03/07/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	40	21	4	365181	03/07/25	03/07/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	40	17	4	365181	03/07/25	03/07/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	40	6.5	4	365181	03/07/25	03/07/25	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528033

528033-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:3,3'-Dimethylbenzidine	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:Acetophenone	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:Chlorobenzilate	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:Diallate	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:Thionazin	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			4	365181	03/07/25	03/07/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	30%		%REC	10-140		4	365181	03/07/25	03/07/25	ZFA
Phenol-d6	29%		%REC	10-140		4	365181	03/07/25	03/07/25	ZFA
2,4,6-Tribromophenol	49%		%REC	12-140		4	365181	03/07/25	03/07/25	ZFA
Nitrobenzene-d5	30%		%REC	10-140		4	365181	03/07/25	03/07/25	ZFA
2-Fluorobiphenyl	28%		%REC	11-140		4	365181	03/07/25	03/07/25	ZFA
Terphenyl-d14	45%		%REC	20-140		4	365181	03/07/25	03/07/25	ZFA
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.0030**	J	mg/L	0.0050	0.0021	0.5	365426	03/10/25	03/10/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/12/25	03/12/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

Sample ID:	Lab ID: 528033-002	Collected: 03/05/25 11:00
SOUTH BASIN - EASTERN INLET	Matrix: Water	

528033-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	ND		ug/L	50	4.9	10	365105	03/06/25	03/06/25	DXC
Antimony	ND		ug/L	20	3.1	10	365105	03/06/25	03/06/25	DXC
Arsenic	**60**		ug/L	20	2.2	10	365105	03/06/25	03/06/25	DXC
Barium	**6,300**		ug/L	500	46	100	365105	03/06/25	03/06/25	DXC
Beryllium	**16**		ug/L	10	0.76	10	365105	03/06/25	03/06/25	DXC
Cadmium	**12**		ug/L	10	2.6	10	365105	03/06/25	03/06/25	DXC
Chromium	**360**		ug/L	50	3.4	10	365105	03/06/25	03/06/25	DXC
Cobalt	**250**		ug/L	10	0.74	10	365105	03/06/25	03/06/25	DXC
Copper	**840**		ug/L	30	20	10	365105	03/06/25	03/06/25	DXC
Lead	**690**		ug/L	50	1.6	10	365105	03/06/25	03/06/25	DXC
Nickel	**480**		ug/L	50	8.4	10	365105	03/06/25	03/06/25	DXC
Selenium	**46**		ug/L	20	16	10	365105	03/06/25	03/06/25	DXC
Silver	**6.5**	J	ug/L	50	5.1	10	365105	03/06/25	03/06/25	DXC
Thallium	**2.0**	J	ug/L	10	1.9	10	365105	03/06/25	03/06/25	DXC
Vanadium	**380**		ug/L	50	3.6	10	365105	03/06/25	03/06/25	DXC
Zinc	**3,600**		ug/L	100	74	10	365105	03/06/25	03/06/25	DXC
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**3.1**		ug/L	0.40	0.032	1	365774	03/13/25	03/13/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.0088**	J	mg/L	0.013	0.0059	1.3	366250	03/18/25	03/18/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.2	0.1	4.7	365372	03/10/25	03/11/25	MES
beta-BHC	ND		ug/L	0.2	0.1	4.7	365372	03/10/25	03/11/25	MES
gamma-BHC	ND		ug/L	0.2	0.08	4.7	365372	03/10/25	03/11/25	MES
delta-BHC	ND		ug/L	0.2	0.08	4.7	365372	03/10/25	03/11/25	MES
Heptachlor	ND		ug/L	0.2	0.06	4.7	365372	03/10/25	03/11/25	MES
Aldrin	ND		ug/L	0.2	0.1	4.7	365372	03/10/25	03/11/25	MES
Heptachlor epoxide	ND		ug/L	0.2	0.08	4.7	365372	03/10/25	03/11/25	MES
Endosulfan I	ND		ug/L	0.2	0.09	4.7	365372	03/10/25	03/11/25	MES
Dieldrin	ND		ug/L	0.5	0.06	4.7	365372	03/10/25	03/11/25	MES
4,4'-DDE	ND		ug/L	0.5	0.08	4.7	365372	03/10/25	03/11/25	MES
Endrin	ND		ug/L	0.5	0.08	4.7	365372	03/10/25	03/11/25	MES
Endosulfan II	ND		ug/L	0.5	0.1	4.7	365372	03/10/25	03/11/25	MES
Endosulfan sulfate	ND		ug/L	0.5	0.09	4.7	365372	03/10/25	03/11/25	MES
4,4'-DDD	ND		ug/L	0.5	0.1	4.7	365372	03/10/25	03/11/25	MES
Endrin aldehyde	ND		ug/L	0.5	0.1	4.7	365372	03/10/25	03/11/25	MES
Endrin ketone	ND		ug/L	0.5	0.1	4.7	365372	03/10/25	03/11/25	MES
4,4'-DDT	ND		ug/L	0.5	0.2	4.7	365372	03/10/25	03/11/25	MES
Methoxychlor	ND		ug/L	0.5	0.3	4.7	365372	03/10/25	03/11/25	MES
Toxaphene	ND		ug/L	9.4	3.8	4.7	365372	03/10/25	03/11/25	MES
Chlordane (Technical)	ND		ug/L	4.7	1.2	4.7	365372	03/10/25	03/11/25	MES
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	93%		%REC	14-120		4.7	365372	03/10/25	03/11/25	MES
Decachlorobiphenyl	107%		%REC	20-120		4.7	365372	03/10/25	03/11/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.94	0.70	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1221	ND		ug/L	0.94	0.77	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1232	ND		ug/L	0.94	0.68	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1242	ND		ug/L	0.94	0.65	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1248	ND		ug/L	0.94	0.65	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1254	ND		ug/L	0.94	0.34	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1260	ND		ug/L	0.94	0.85	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1262	ND		ug/L	0.94	0.74	1.9	365372	03/10/25	03/11/25	MES
Aroclor-1268	ND		ug/L	0.94	0.47	1.9	365372	03/10/25	03/11/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	94%		%REC	18-126		1.9	365372	03/10/25	03/11/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Chloroprene	ND		ug/L	200	0.4	1	365173	03/07/25	03/07/25	LYZ
3-Chloropropene	ND		ug/L	5.0	0.6	1	365173	03/07/25	03/07/25	LYZ
Ethyl methacrylate	ND		ug/L	50	2.4	1	365173	03/07/25	03/07/25	LYZ
Ethanol	ND		ug/L	500	93	1	365173	03/07/25	03/07/25	LYZ
2-Hexanone	ND		ug/L	5.0	1.5	1	365173	03/07/25	03/07/25	LYZ
Isopropanol (IPA)	ND		ug/L	200	21	1	365173	03/07/25	03/07/25	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.9	1	365173	03/07/25	03/07/25	LYZ
Vinyl Acetate	ND		ug/L	50	2.6	1	365173	03/07/25	03/07/25	LYZ
Acrolein	ND		ug/L	200	4.2	1	365173	03/07/25	03/07/25	LYZ
Acrylonitrile	ND		ug/L	10	0.3	1	365173	03/07/25	03/07/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	365173	03/07/25	03/07/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365173	03/07/25	03/07/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	365173	03/07/25	03/07/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Iodomethane	ND		ug/L	5.0		1	365173	03/07/25	03/07/25	LYZ
Acetone	ND		ug/L	100	17	1	365173	03/07/25	03/07/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Methylene Chloride	ND		ug/L	10	3.5	1	365173	03/07/25	03/07/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
2-Butanone	**2.6**	J	ug/L	10	2.0	1	365173	03/07/25	03/07/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	1.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	10	1.4	1	365173	03/07/25	03/07/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
m,p-Xylenes	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	365173	03/07/25	03/07/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365173	03/07/25	03/07/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365173	03/07/25	03/07/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365173	03/07/25	03/07/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	365173	03/07/25	03/07/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365173	03/07/25	03/07/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365173	03/07/25	03/07/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365173	03/07/25	03/07/25	LYZ
TIC:	ND					1	365173	03/07/25	03/07/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ
1,2-Dichloroethane-d4	108%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ
Toluene-d8	98%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ
Bromofluorobenzene	94%		%REC	70-130		1	365173	03/07/25	03/07/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	2.8	1.0	5.6	365723	03/12/25	03/13/25	ZFA
2-Methylnaphthalene	ND		ug/L	2.8	1.3	5.6	365723	03/12/25	03/13/25	ZFA
Naphthalene	ND		ug/L	2.8	1.1	5.6	365723	03/12/25	03/13/25	ZFA
Acenaphthylene	ND		ug/L	2.8	1.2	5.6	365723	03/12/25	03/13/25	ZFA
Acenaphthene	ND		ug/L	2.8	0.96	5.6	365723	03/12/25	03/13/25	ZFA
Fluorene	ND		ug/L	2.8	0.92	5.6	365723	03/12/25	03/13/25	ZFA
Phenanthrene	ND		ug/L	2.8	1.1	5.6	365723	03/12/25	03/13/25	ZFA
Anthracene	ND		ug/L	2.8	0.99	5.6	365723	03/12/25	03/13/25	ZFA
Fluoranthene	ND		ug/L	2.8	0.97	5.6	365723	03/12/25	03/13/25	ZFA
Pyrene	ND		ug/L	2.8	0.92	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(a)anthracene	ND		ug/L	2.8	0.83	5.6	365723	03/12/25	03/13/25	ZFA
Chrysene	ND		ug/L	2.8	0.90	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	2.8	0.90	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	2.8	0.91	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(a)pyrene	ND		ug/L	2.8	0.70	5.6	365723	03/12/25	03/13/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	2.8	0.78	5.6	365723	03/12/25	03/13/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	2.8	1.0	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	2.8	1.1	5.6	365723	03/12/25	03/13/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	85%		%REC	16-125		5.6	365723	03/12/25	03/13/25	ZFA
2-Fluorobiphenyl	87%		%REC	17-120		5.6	365723	03/12/25	03/13/25	ZFA
Terphenyl-d14	102%		%REC	39-123		5.6	365723	03/12/25	03/13/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	500	71	50	365181	03/07/25	03/07/25	ZFA
Pyridine	ND		ug/L	500	87	50	365181	03/07/25	03/07/25	ZFA
N-Nitrosodimethylamine	ND		ug/L	500	72	50	365181	03/07/25	03/07/25	ZFA
Phenol	ND		ug/L	500	39	50	365181	03/07/25	03/07/25	ZFA
Aniline	ND		ug/L	500	83	50	365181	03/07/25	03/07/25	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	1,300	58	50	365181	03/07/25	03/07/25	ZFA
2-Chlorophenol	ND		ug/L	500	72	50	365181	03/07/25	03/07/25	ZFA
1,3-Dichlorobenzene	ND		ug/L	500	58	50	365181	03/07/25	03/07/25	ZFA
1,4-Dichlorobenzene	ND		ug/L	500	58	50	365181	03/07/25	03/07/25	ZFA
Benzyl alcohol	ND		ug/L	500	98	50	365181	03/07/25	03/07/25	ZFA
1,2-Dichlorobenzene	ND		ug/L	500	54	50	365181	03/07/25	03/07/25	ZFA
2-Methylphenol	ND		ug/L	500	66	50	365181	03/07/25	03/07/25	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	500	63	50	365181	03/07/25	03/07/25	ZFA
3-,4-Methylphenol	ND		ug/L	500	65	50	365181	03/07/25	03/07/25	ZFA
N-Nitroso-di-n-propylamine	ND		ug/L	500	76	50	365181	03/07/25	03/07/25	ZFA
Hexachloroethane	ND		ug/L	500	67	50	365181	03/07/25	03/07/25	ZFA
Nitrobenzene	ND		ug/L	1,300	61	50	365181	03/07/25	03/07/25	ZFA
Isophorone	ND		ug/L	500	110	50	365181	03/07/25	03/07/25	ZFA
2-Nitrophenol	ND		ug/L	500	110	50	365181	03/07/25	03/07/25	ZFA
2,4-Dimethylphenol	ND		ug/L	500	91	50	365181	03/07/25	03/07/25	ZFA
Benzoic acid	ND		ug/L	2,500	310	50	365181	03/07/25	03/07/25	ZFA
bis(2-Chloroethoxy)methane	ND		ug/L	500	75	50	365181	03/07/25	03/07/25	ZFA
2,4-Dichlorophenol	ND		ug/L	500	110	50	365181	03/07/25	03/07/25	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	500	53	50	365181	03/07/25	03/07/25	ZFA
Naphthalene	ND		ug/L	500	56	50	365181	03/07/25	03/07/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Chloroaniline	ND		ug/L	500	83	50	365181	03/07/25	03/07/25	ZFA
Hexachlorobutadiene	ND		ug/L	500	54	50	365181	03/07/25	03/07/25	ZFA
4-Chloro-3-methylphenol	ND		ug/L	500	100	50	365181	03/07/25	03/07/25	ZFA
2-Methylnaphthalene	ND		ug/L	500	43	50	365181	03/07/25	03/07/25	ZFA
Hexachlorocyclopentadiene	ND		ug/L	1,300	440	50	365181	03/07/25	03/07/25	ZFA
2,4,6-Trichlorophenol	ND		ug/L	500	120	50	365181	03/07/25	03/07/25	ZFA
2,4,5-Trichlorophenol	ND		ug/L	500	130	50	365181	03/07/25	03/07/25	ZFA
2-Chloronaphthalene	ND		ug/L	500	43	50	365181	03/07/25	03/07/25	ZFA
2-Nitroaniline	ND		ug/L	2,500	94	50	365181	03/07/25	03/07/25	ZFA
Dimethylphthalate	ND		ug/L	500	86	50	365181	03/07/25	03/07/25	ZFA
Acenaphthylene	ND		ug/L	500	54	50	365181	03/07/25	03/07/25	ZFA
2,6-Dinitrotoluene	ND		ug/L	500	80	50	365181	03/07/25	03/07/25	ZFA
3-Nitroaniline	ND		ug/L	500	110	50	365181	03/07/25	03/07/25	ZFA
Acenaphthene	ND		ug/L	500	43	50	365181	03/07/25	03/07/25	ZFA
2,4-Dinitrophenol	ND		ug/L	2,500	490	50	365181	03/07/25	03/07/25	ZFA
4-Nitrophenol	ND		ug/L	500	110	50	365181	03/07/25	03/07/25	ZFA
Dibenzofuran	ND		ug/L	500	44	50	365181	03/07/25	03/07/25	ZFA
2,4-Dinitrotoluene	ND		ug/L	500	77	50	365181	03/07/25	03/07/25	ZFA
Diethylphthalate	ND		ug/L	500	78	50	365181	03/07/25	03/07/25	ZFA
Fluorene	ND		ug/L	500	46	50	365181	03/07/25	03/07/25	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	500	42	50	365181	03/07/25	03/07/25	ZFA
4-Nitroaniline	ND		ug/L	500	210	50	365181	03/07/25	03/07/25	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	2,500	130	50	365181	03/07/25	03/07/25	ZFA
N-Nitrosodiphenylamine	ND		ug/L	500	120	50	365181	03/07/25	03/07/25	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	500	54	50	365181	03/07/25	03/07/25	ZFA
4-Bromophenyl-phenylether	ND		ug/L	500	53	50	365181	03/07/25	03/07/25	ZFA
Hexachlorobenzene	ND		ug/L	500	64	50	365181	03/07/25	03/07/25	ZFA
Pentachlorophenol	ND		ug/L	1,300	510	50	365181	03/07/25	03/07/25	ZFA
Phenanthrene	ND		ug/L	500	49	50	365181	03/07/25	03/07/25	ZFA
Anthracene	ND		ug/L	500	54	50	365181	03/07/25	03/07/25	ZFA
Di-n-butylphthalate	ND		ug/L	500	96	50	365181	03/07/25	03/07/25	ZFA
Fluoranthene	ND		ug/L	500	60	50	365181	03/07/25	03/07/25	ZFA
Benzidine	ND		ug/L	2,500	380	50	365181	03/07/25	03/07/25	ZFA
Pyrene	ND		ug/L	500	61	50	365181	03/07/25	03/07/25	ZFA
Butylbenzylphthalate	ND		ug/L	500	130	50	365181	03/07/25	03/07/25	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	1,300	360	50	365181	03/07/25	03/07/25	ZFA
Benzo(a)anthracene	ND		ug/L	500	67	50	365181	03/07/25	03/07/25	ZFA
Chrysene	ND		ug/L	500	71	50	365181	03/07/25	03/07/25	ZFA
bis(2-Ethylhexyl)phthalate	ND		ug/L	500	140	50	365181	03/07/25	03/07/25	ZFA
Di-n-octylphthalate	ND		ug/L	500	300	50	365181	03/07/25	03/07/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	500	94	50	365181	03/07/25	03/07/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	500	130	50	365181	03/07/25	03/07/25	ZFA
Benzo(a)pyrene	ND		ug/L	500	73	50	365181	03/07/25	03/07/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	500	260	50	365181	03/07/25	03/07/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	500	210	50	365181	03/07/25	03/07/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	500	81	50	365181	03/07/25	03/07/25	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:3,3'-Dimethylbenzidine	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:Acetophenone	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:Chlorobenzilate	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:Diallate	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:Thionazin	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			50	365181	03/07/25	03/07/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	30%		%REC	10-140		50	365181	03/07/25	03/07/25	ZFA
Phenol-d6	33%		%REC	10-140		50	365181	03/07/25	03/07/25	ZFA
2,4,6-Tribromophenol	24%		%REC	12-140		50	365181	03/07/25	03/07/25	ZFA
Nitrobenzene-d5	23%		%REC	10-140		50	365181	03/07/25	03/07/25	ZFA
2-Fluorobiphenyl	22%		%REC	11-140		50	365181	03/07/25	03/07/25	ZFA
Terphenyl-d14	26%		%REC	20-140		50	365181	03/07/25	03/07/25	ZFA
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.0031**	J	mg/L	0.0050	0.0021	0.5	365426	03/10/25	03/10/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/12/25	03/12/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

Sample ID: TRIP BLANK	Lab ID: 528033-003	Collected: 03/05/25
	Matrix: Water	

528033-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Chloroprene	ND		ug/L	200	0.4	1	365282	03/08/25	03/08/25	LYZ
3-Chloropropene	ND		ug/L	5.0	0.6	1	365282	03/08/25	03/08/25	LYZ
Ethyl methacrylate	ND		ug/L	50	2.4	1	365282	03/08/25	03/08/25	LYZ
Ethanol	ND		ug/L	500	93	1	365282	03/08/25	03/08/25	LYZ
2-Hexanone	ND		ug/L	5.0	1.5	1	365282	03/08/25	03/08/25	LYZ
Isopropanol (IPA)	ND		ug/L	200	21	1	365282	03/08/25	03/08/25	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.9	1	365282	03/08/25	03/08/25	LYZ
Vinyl Acetate	ND		ug/L	50	2.6	1	365282	03/08/25	03/08/25	LYZ
Acrolein	ND		ug/L	200	4.2	1	365282	03/08/25	03/08/25	LYZ
Acrylonitrile	ND		ug/L	10	0.3	1	365282	03/08/25	03/08/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	365282	03/08/25	03/08/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365282	03/08/25	03/08/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Bromomethane	ND		ug/L	5.0	0.8	1	365282	03/08/25	03/08/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Iodomethane	ND		ug/L	5.0		1	365282	03/08/25	03/08/25	LYZ
Acetone	ND		ug/L	100	17	1	365282	03/08/25	03/08/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Methylene Chloride	ND		ug/L	10	3.5	1	365282	03/08/25	03/08/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
2-Butanone	ND		ug/L	10	2.0	1	365282	03/08/25	03/08/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Benzene	ND		ug/L	1.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	10	1.4	1	365282	03/08/25	03/08/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528033

528033-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
m,p-Xylenes	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Styrene	ND		ug/L	5.0	0.08	1	365282	03/08/25	03/08/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365282	03/08/25	03/08/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	365282	03/08/25	03/08/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	365282	03/08/25	03/08/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Naphthalene	ND		ug/L	5.0	0.3	1	365282	03/08/25	03/08/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	365282	03/08/25	03/08/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	365282	03/08/25	03/08/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365282	03/08/25	03/08/25	LYZ
TIC:	ND					1	365282	03/08/25	03/08/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	365282	03/08/25	03/08/25	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-130		1	365282	03/08/25	03/08/25	LYZ
Toluene-d8	100%		%REC	70-130		1	365282	03/08/25	03/08/25	LYZ
Bromofluorobenzene	101%		%REC	70-130		1	365282	03/08/25	03/08/25	LYZ

B Contamination found in associated Method Blank
J Estimated value
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1236114**	**Batch: 365105**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1236114 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	0.79	J	ug/L	5.0	0.49	03/06/25	03/06/25
Antimony	ND		ug/L	2.0	0.31	03/06/25	03/06/25
Arsenic	ND		ug/L	2.0	0.22	03/06/25	03/06/25
Barium	ND		ug/L	5.0	0.46	03/06/25	03/06/25
Beryllium	ND		ug/L	1.0	0.076	03/06/25	03/06/25
Cadmium	ND		ug/L	1.0	0.26	03/06/25	03/06/25
Chromium	ND		ug/L	5.0	0.34	03/06/25	03/06/25
Cobalt	ND		ug/L	1.0	0.074	03/06/25	03/06/25
Copper	ND		ug/L	3.0	2.0	03/06/25	03/06/25
Lead	ND		ug/L	5.0	0.16	03/06/25	03/06/25
Nickel	ND		ug/L	5.0	0.84	03/06/25	03/06/25
Selenium	ND		ug/L	2.0	1.6	03/06/25	03/06/25
Silver	ND		ug/L	5.0	0.51	03/06/25	03/06/25
Thallium	ND		ug/L	1.0	0.19	03/06/25	03/06/25
Vanadium	ND		ug/L	5.0	0.36	03/06/25	03/06/25
Zinc	ND		ug/L	10	7.4	03/06/25	03/06/25

Type: Lab Control Sample	**Lab ID: QC1236115**	**Batch: 365105**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1236115 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	94.79	100.0	ug/L	95%		85-115
Antimony	121.6	100.0	ug/L	122%	*	85-115
Arsenic	100.3	100.0	ug/L	100%		85-115
Barium	93.22	100.0	ug/L	93%		85-115
Beryllium	97.51	100.0	ug/L	98%		85-115
Cadmium	98.54	100.0	ug/L	99%		85-115
Chromium	104.1	100.0	ug/L	104%		85-115
Cobalt	111.8	100.0	ug/L	112%		85-115
Copper	106.3	100.0	ug/L	106%		85-115
Lead	99.64	100.0	ug/L	100%		85-115
Nickel	106.6	100.0	ug/L	107%		85-115
Selenium	98.05	100.0	ug/L	98%		85-115
Silver	44.63	50.00	ug/L	89%		85-115
Thallium	100.8	100.0	ug/L	101%		85-115
Vanadium	103.4	100.0	ug/L	103%		85-115
Zinc	104.6	100.0	ug/L	105%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1236116	Batch:	365105
Matrix (Source ID):	Water (528033-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1236116 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	0.9624	ND	100.0	ug/L		DO	70-130	10
Antimony	3.760	ND	100.0	ug/L	4%	b,*	70-130	10
Arsenic	94.40	60.12	100.0	ug/L	34%	*	70-130	10
Barium	6,523	6282	100.0	ug/L	241%	E,NM	70-130	10
Beryllium	104.9	15.63	100.0	ug/L	89%		70-130	10
Cadmium	112.9	12.46	100.0	ug/L	100%		70-130	10
Chromium	421.2	357.1	100.0	ug/L	64%	*	70-130	10
Cobalt	324.3	245.1	100.0	ug/L	79%		70-130	10
Copper	883.8	838.5	100.0	ug/L	45%	NM	70-130	10
Lead	789.4	685.2	100.0	ug/L	104%	NM	70-130	10
Nickel	523.8	477.8	100.0	ug/L	46%	NM	70-130	10
Selenium	87.13	45.98	100.0	ug/L	41%	*	70-130	10
Silver	46.71	6.492	50.00	ug/L	80%		70-130	10
Thallium	80.28	2.001	100.0	ug/L	78%		70-130	10
Vanadium	411.0	381.4	100.0	ug/L	30%	*	70-130	10
Zinc	3,494	3606	100.0	ug/L	-112%	NM	70-130	10

Type:	Matrix Spike Duplicate	Lab ID:	QC1236117	Batch:	365105
Matrix (Source ID):	Water (528033-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1236117 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	0.3857	ND	100.0	ug/L		DO	70-130		20	10
Antimony	3.701	ND	100.0	ug/L	4%	b,*	70-130	2	20	10
Arsenic	106.2	60.12	100.0	ug/L	46%	*	70-130	12	20	10
Barium	6,417	6282	100.0	ug/L	135%	E,NM	70-130		20	10
Beryllium	102.0	15.63	100.0	ug/L	86%		70-130	3	20	10
Cadmium	118.3	12.46	100.0	ug/L	106%		70-130	5	20	10
Chromium	392.2	357.1	100.0	ug/L	35%	*	70-130	7	20	10
Cobalt	311.0	245.1	100.0	ug/L	66%	*	70-130	4	20	10
Copper	844.6	838.5	100.0	ug/L	6%	NM	70-130	5	20	10
Lead	781.4	685.2	100.0	ug/L	96%	NM	70-130	1	20	10
Nickel	504.9	477.8	100.0	ug/L	27%	NM	70-130	4	20	10
Selenium	91.16	45.98	100.0	ug/L	45%	*	70-130	5	20	10
Silver	50.71	6.492	50.00	ug/L	88%		70-130	8	20	10
Thallium	78.19	2.001	100.0	ug/L	76%		70-130	3	20	10
Vanadium	400.5	381.4	100.0	ug/L	19%	*	70-130	3	20	10
Zinc	3,421	3606	100.0	ug/L	-185%	NM	70-130	2	20	10

Type:	Blank	Lab ID:	QC1238523	Batch:	365774
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1238523 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.032	03/13/25	03/13/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1238524	Batch: 365774
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1238524 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.070	5.000	ug/L	101%		85-115

Type: Matrix Spike	Lab ID: QC1238525	Batch: 365774
Matrix (Source ID): Water (528266-001)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1238525 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.701	ND	5.000	ug/L	94%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1238526	Batch: 365774
Matrix (Source ID): Water (528266-001)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1238526 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.705	ND	5.000	ug/L	94%		75-125	0	20	1

Type: Blank	Lab ID: QC1240153	Batch: 366250
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1240153 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	03/18/25	03/18/25

Type: Lab Control Sample	Lab ID: QC1240154	Batch: 366250
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1240154 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.07500	0.08000	mg/L	94%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1240155	Batch: 366250
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1240155 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.07600	0.08000	mg/L	95%		80-120	1	20

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1237168	Batch: 365372
Matrix: Water		

QC1237168 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	03/10/25	03/11/25
beta-BHC	ND		ug/L	0.05	0.02	03/10/25	03/11/25
gamma-BHC	ND		ug/L	0.05	0.02	03/10/25	03/11/25
delta-BHC	ND		ug/L	0.05	0.02	03/10/25	03/11/25
Heptachlor	ND		ug/L	0.05	0.01	03/10/25	03/11/25
Aldrin	ND		ug/L	0.05	0.02	03/10/25	03/11/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	03/10/25	03/11/25
Endosulfan I	ND		ug/L	0.05	0.02	03/10/25	03/11/25
Dieldrin	ND		ug/L	0.1	0.01	03/10/25	03/11/25
4,4'-DDE	ND		ug/L	0.1	0.02	03/10/25	03/11/25
Endrin	ND		ug/L	0.1	0.02	03/10/25	03/11/25
Endosulfan II	ND		ug/L	0.1	0.02	03/10/25	03/11/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	03/10/25	03/11/25
4,4'-DDD	ND		ug/L	0.1	0.02	03/10/25	03/11/25
Endrin aldehyde	ND		ug/L	0.1	0.03	03/10/25	03/11/25
Endrin ketone	ND		ug/L	0.1	0.03	03/10/25	03/11/25
4,4'-DDT	ND		ug/L	0.1	0.04	03/10/25	03/11/25
Methoxychlor	ND		ug/L	0.1	0.06	03/10/25	03/11/25
Toxaphene	ND		ug/L	2.0	0.8	03/10/25	03/11/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	03/10/25	03/11/25
Surrogates				**Limits**			
TCMX	55%		%REC	14-120		03/10/25	03/11/25
Decachlorobiphenyl	69%		%REC	20-120		03/10/25	03/11/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	03/10/25	03/11/25
Aroclor-1221	ND		ug/L	0.50	0.41	03/10/25	03/11/25
Aroclor-1232	ND		ug/L	0.50	0.36	03/10/25	03/11/25
Aroclor-1242	ND		ug/L	0.50	0.35	03/10/25	03/11/25
Aroclor-1248	ND		ug/L	0.50	0.34	03/10/25	03/11/25
Aroclor-1254	ND		ug/L	0.50	0.18	03/10/25	03/11/25
Aroclor-1260	ND		ug/L	0.50	0.45	03/10/25	03/11/25
Aroclor-1262	ND		ug/L	0.50	0.39	03/10/25	03/11/25
Aroclor-1268	ND		ug/L	0.50	0.25	03/10/25	03/11/25
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	96%		%REC	18-126		03/10/25	03/11/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1237170**	**Batch: 365372**
Matrix: Water	**Method: EPA 8081A**	**Prep Method: EPA 3510C**

QC1237170 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.3792	0.5000	ug/L	76%		53-120
beta-BHC	0.4156	0.5000	ug/L	83%	#	59-120
gamma-BHC	0.3896	0.5000	ug/L	78%		54-120
delta-BHC	0.3985	0.5000	ug/L	80%		58-120
Heptachlor	0.3630	0.5000	ug/L	73%		49-120
Aldrin	0.3525	0.5000	ug/L	70%		47-120
Heptachlor epoxide	0.3676	0.5000	ug/L	74%		53-120
Endosulfan I	0.3927	0.5000	ug/L	79%		56-120
Dieldrin	0.3635	0.5000	ug/L	73%		55-120
4,4'-DDE	0.3910	0.5000	ug/L	78%		55-120
Endrin	0.3675	0.5000	ug/L	73%		57-120
Endosulfan II	0.3914	0.5000	ug/L	78%		58-120
Endosulfan sulfate	0.3840	0.5000	ug/L	77%		56-120
4,4'-DDD	0.3666	0.5000	ug/L	73%		53-120
Endrin aldehyde	0.3731	0.5000	ug/L	75%	#	45-120
Endrin ketone	0.4066	0.5000	ug/L	81%		61-120
4,4'-DDT	0.3855	0.5000	ug/L	77%	#	58-120
Methoxychlor	0.4160	0.5000	ug/L	83%	#	54-120
Surrogates						
TCMX	0.3161	0.5000	ug/L	63%		14-120
Decachlorobiphenyl	0.3882	0.5000	ug/L	78%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1237171	Batch:	365372
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1237171 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4160	0.5000	ug/L	83%		53-120	9	20
beta-BHC	0.4378	0.5000	ug/L	88%	#	59-120	5	20
gamma-BHC	0.4254	0.5000	ug/L	85%		54-120	9	20
delta-BHC	0.4303	0.5000	ug/L	86%		58-120	8	20
Heptachlor	0.3923	0.5000	ug/L	78%		49-120	8	20
Aldrin	0.3845	0.5000	ug/L	77%		47-120	9	20
Heptachlor epoxide	0.4012	0.5000	ug/L	80%		53-120	9	20
Endosulfan I	0.4259	0.5000	ug/L	85%		56-120	8	20
Dieldrin	0.3925	0.5000	ug/L	78%		55-120	8	20
4,4'-DDE	0.4282	0.5000	ug/L	86%		55-120	9	20
Endrin	0.3962	0.5000	ug/L	79%		57-120	8	20
Endosulfan II	0.4103	0.5000	ug/L	82%		58-120	5	20
Endosulfan sulfate	0.4055	0.5000	ug/L	81%		56-120	5	20
4,4'-DDD	0.3965	0.5000	ug/L	79%		53-120	8	20
Endrin aldehyde	0.3934	0.5000	ug/L	79%	#	45-120	5	20
Endrin ketone	0.4317	0.5000	ug/L	86%		61-120	6	20
4,4'-DDT	0.4161	0.5000	ug/L	83%	#	58-120	8	20
Methoxychlor	0.4351	0.5000	ug/L	87%	#	54-120	5	20
Surrogates								
TCMX	0.3369	0.5000	ug/L	67%		14-120		
Decachlorobiphenyl	0.3899	0.5000	ug/L	78%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1237172	Batch:	365372
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1237172 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.859	5.000	ug/L	97%		36-143
Aroclor-1260	5.070	5.000	ug/L	101%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4794	0.5000	ug/L	96%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1237173	Batch:	365372
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1237173 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.821	5.000	ug/L	96%		36-143	1	39
Aroclor-1260	5.022	5.000	ug/L	100%		31-153	1	20
Surrogates								
Decachlorobiphenyl (PCB)	0.4836	0.5000	ug/L	97%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1236367	Batch: 365173
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1236367 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.53	50.00	ug/L	109%		70-135
MTBE	46.54	50.00	ug/L	93%		70-130
Benzene	45.59	50.00	ug/L	91%		70-130
Trichloroethene	48.35	50.00	ug/L	97%		70-130
Toluene	45.32	50.00	ug/L	91%		70-130
Chlorobenzene	48.01	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	55.53	50.00	ug/L	111%		70-130
1,2-Dichloroethane-d4	58.52	50.00	ug/L	117%		70-130
Toluene-d8	49.44	50.00	ug/L	99%		70-130
Bromofluorobenzene	46.95	50.00	ug/L	94%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1236368	Batch: 365173
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1236368 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	58.84	50.00	ug/L	118%		70-135	8	30
MTBE	51.73	50.00	ug/L	103%		70-130	11	30
Benzene	50.07	50.00	ug/L	100%		70-130	9	30
Trichloroethene	53.75	50.00	ug/L	108%		70-130	11	30
Toluene	51.21	50.00	ug/L	102%		70-130	12	30
Chlorobenzene	52.37	50.00	ug/L	105%		70-130	9	30
Surrogates								
Dibromofluoromethane	53.27	50.00	ug/L	107%		70-130		
1,2-Dichloroethane-d4	50.92	50.00	ug/L	102%		70-130		
Toluene-d8	49.98	50.00	ug/L	100%		70-130		
Bromofluorobenzene	48.26	50.00	ug/L	97%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1236370**	**Batch:**	**365173**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1236370 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Chloroprene	ND		ug/L	200	0.4	03/07/25	03/07/25
3-Chloropropene	ND		ug/L	5.0	0.6	03/07/25	03/07/25
Ethyl methacrylate	ND		ug/L	50	2.4	03/07/25	03/07/25
Ethanol	ND		ug/L	500	93	03/07/25	03/07/25
2-Hexanone	ND		ug/L	5.0	1.5	03/07/25	03/07/25
Isopropanol (IPA)	ND		ug/L	200	21	03/07/25	03/07/25
Methyl acrylonitrile	ND		ug/L	35	2.9	03/07/25	03/07/25
Vinyl Acetate	ND		ug/L	50	2.6	03/07/25	03/07/25
Acrolein	ND		ug/L	200	4.2	03/07/25	03/07/25
Acrylonitrile	ND		ug/L	10	0.3	03/07/25	03/07/25
Freon 12	ND		ug/L	5.0	0.3	03/07/25	03/07/25
Chloromethane	ND		ug/L	5.0	0.4	03/07/25	03/07/25
Vinyl Chloride	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Bromomethane	ND		ug/L	5.0	0.8	03/07/25	03/07/25
Chloroethane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Iodomethane	ND		ug/L	5.0		03/07/25	03/07/25
Acetone	ND		ug/L	100	17	03/07/25	03/07/25
Freon 113	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Methylene Chloride	ND		ug/L	10	3.5	03/07/25	03/07/25
MTBE	ND		ug/L	5.0	0.1	03/07/25	03/07/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	03/07/25	03/07/25
2-Butanone	ND		ug/L	10	2.0	03/07/25	03/07/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Chloroform	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Benzene	ND		ug/L	1.0	0.1	03/07/25	03/07/25
Trichloroethene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Dibromomethane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
4-Methyl-2-Pentanone	ND		ug/L	10	1.4	03/07/25	03/07/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Toluene	ND		ug/L	5.0	0.2	03/07/25	03/07/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Tetrachloroethene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/07/25	03/07/25

ENTHALPY ANALYTICAL

Batch QC

QC1236370 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
m,p-Xylenes	ND		ug/L	5.0	0.2	03/07/25	03/07/25
o-Xylene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Styrene	ND		ug/L	5.0	0.08	03/07/25	03/07/25
Bromoform	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/07/25	03/07/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Propylbenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
Bromobenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	03/07/25	03/07/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/07/25	03/07/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	03/07/25	03/07/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Naphthalene	ND		ug/L	5.0	0.3	03/07/25	03/07/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	03/07/25	03/07/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	03/07/25	03/07/25
Xylene (total)	ND		ug/L	5.0		03/07/25	03/07/25
TIC:	ND					03/07/25	03/07/25
Surrogates				**Limits**			
Dibromofluoromethane	107%		%REC	70-130		03/07/25	03/07/25
1,2-Dichloroethane-d4	107%		%REC	70-130		03/07/25	03/07/25
Toluene-d8	100%		%REC	70-130		03/07/25	03/07/25
Bromofluorobenzene	93%		%REC	70-130		03/07/25	03/07/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1236480	Batch:	365173
Matrix (Source ID):	Water (527665-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1236480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	21.48	ND	20.00	ug/L	107%		70-130	1
MTBE	18.52	ND	20.00	ug/L	93%		75-130	1
Benzene	17.98	ND	20.00	ug/L	90%		70-130	1
Trichloroethene	20.31	ND	20.00	ug/L	102%		63-130	1
Toluene	18.72	ND	20.00	ug/L	94%		70-130	1
Chlorobenzene	19.65	ND	20.00	ug/L	98%		70-130	1
Surrogates								
Dibromofluoromethane	54.34		50.00	ug/L	109%		70-130	1
1,2-Dichloroethane-d4	55.94		50.00	ug/L	112%		70-130	1
Toluene-d8	49.95		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	48.52		50.00	ug/L	97%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1236481	Batch:	365173
Matrix (Source ID):	Water (527665-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1236481 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	21.86	ND	20.00	ug/L	109%		70-130	2	30	1
MTBE	19.14	ND	20.00	ug/L	96%		75-130	3	30	1
Benzene	18.43	ND	20.00	ug/L	92%		70-130	2	30	1
Trichloroethene	19.69	ND	20.00	ug/L	98%		63-130	3	30	1
Toluene	18.77	ND	20.00	ug/L	94%		70-130	0	30	1
Chlorobenzene	19.80	ND	20.00	ug/L	99%		70-130	1	30	1
Surrogates										
Dibromofluoromethane	53.69		50.00	ug/L	107%		70-130			1
1,2-Dichloroethane-d4	55.05		50.00	ug/L	110%		70-130			1
Toluene-d8	49.21		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	46.75		50.00	ug/L	93%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1236793	Batch:	365282
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1236793 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.87	50.00	ug/L	102%		70-135
MTBE	44.73	50.00	ug/L	89%		70-130
Benzene	42.77	50.00	ug/L	86%		70-130
Trichloroethene	46.35	50.00	ug/L	93%		70-130
Toluene	43.96	50.00	ug/L	88%		70-130
Chlorobenzene	45.71	50.00	ug/L	91%		70-130
Surrogates						
Dibromofluoromethane	53.28	50.00	ug/L	107%		70-130
1,2-Dichloroethane-d4	55.06	50.00	ug/L	110%		70-130
Toluene-d8	49.53	50.00	ug/L	99%		70-130
Bromofluorobenzene	46.16	50.00	ug/L	92%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1236794**	**Batch:**	**365282**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1236794 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.08	50.00	ug/L	106%		70-135	4	30
MTBE	46.42	50.00	ug/L	93%		70-130	4	30
Benzene	45.47	50.00	ug/L	91%		70-130	6	30
Trichloroethene	49.29	50.00	ug/L	99%		70-130	6	30
Toluene	46.19	50.00	ug/L	92%		70-130	5	30
Chlorobenzene	48.14	50.00	ug/L	96%		70-130	5	30
Surrogates								
Dibromofluoromethane	51.77	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	52.36	50.00	ug/L	105%		70-130		
Toluene-d8	49.56	50.00	ug/L	99%		70-130		
Bromofluorobenzene	45.89	50.00	ug/L	92%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1236796**	**Batch:**	**365282**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1236796 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Chloroprene	ND		ug/L	200	0.4	03/08/25	03/08/25
3-Chloropropene	ND		ug/L	5.0	0.6	03/08/25	03/08/25
Ethyl methacrylate	ND		ug/L	50	2.4	03/08/25	03/08/25
Ethanol	ND		ug/L	500	93	03/08/25	03/08/25
2-Hexanone	ND		ug/L	5.0	1.5	03/08/25	03/08/25
Isopropanol (IPA)	ND		ug/L	200	21	03/08/25	03/08/25
Methyl acrylonitrile	ND		ug/L	35	2.9	03/08/25	03/08/25
Vinyl Acetate	ND		ug/L	50	2.6	03/08/25	03/08/25
Acrolein	ND		ug/L	200	4.2	03/08/25	03/08/25
Acrylonitrile	ND		ug/L	10	0.3	03/08/25	03/08/25
Freon 12	ND		ug/L	5.0	0.3	03/08/25	03/08/25
Chloromethane	ND		ug/L	5.0	0.4	03/08/25	03/08/25
Vinyl Chloride	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Bromomethane	ND		ug/L	5.0	0.8	03/08/25	03/08/25
Chloroethane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Iodomethane	ND		ug/L	5.0		03/08/25	03/08/25
Acetone	ND		ug/L	100	17	03/08/25	03/08/25
Freon 113	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Methylene Chloride	ND		ug/L	10	3.5	03/08/25	03/08/25
MTBE	ND		ug/L	5.0	0.1	03/08/25	03/08/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	03/08/25	03/08/25
2-Butanone	ND		ug/L	10	2.0	03/08/25	03/08/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Chloroform	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Benzene	ND		ug/L	1.0	0.1	03/08/25	03/08/25
Trichloroethene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Dibromomethane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
4-Methyl-2-Pentanone	ND		ug/L	10	1.4	03/08/25	03/08/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Toluene	ND		ug/L	5.0	0.2	03/08/25	03/08/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Tetrachloroethene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/08/25	03/08/25

ENTHALPY ANALYTICAL

Batch QC

QC1236796 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
m,p-Xylenes	ND		ug/L	5.0	0.2	03/08/25	03/08/25
o-Xylene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Styrene	ND		ug/L	5.0	0.08	03/08/25	03/08/25
Bromoform	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/08/25	03/08/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Propylbenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
Bromobenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	03/08/25	03/08/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/08/25	03/08/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	03/08/25	03/08/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Naphthalene	ND		ug/L	5.0	0.3	03/08/25	03/08/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	03/08/25	03/08/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	03/08/25	03/08/25
Xylene (total)	ND		ug/L	5.0		03/08/25	03/08/25
TIC:	ND					03/08/25	03/08/25
Surrogates				**Limits**			
Dibromofluoromethane	104%		%REC	70-130		03/08/25	03/08/25
1,2-Dichloroethane-d4	107%		%REC	70-130		03/08/25	03/08/25
Toluene-d8	101%		%REC	70-130		03/08/25	03/08/25
Bromofluorobenzene	96%		%REC	70-130		03/08/25	03/08/25

Batch QC

Type:	Matrix Spike	Lab ID:	QC1236860	Batch:	365282
Matrix (Source ID):	Water (527941-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1236860 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	22.43	ND	20.00	ug/L	112%		70-130	1
MTBE	18.04	ND	20.00	ug/L	90%		75-130	1
Benzene	19.05	ND	20.00	ug/L	95%		70-130	1
Trichloroethene	20.21	ND	20.00	ug/L	101%		63-130	1
Toluene	19.03	ND	20.00	ug/L	95%		70-130	1
Chlorobenzene	19.68	ND	20.00	ug/L	98%		70-130	1
Surrogates								
Dibromofluoromethane	53.81		50.00	ug/L	108%		70-130	1
1,2-Dichloroethane-d4	55.77		50.00	ug/L	112%		70-130	1
Toluene-d8	49.84		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	47.59		50.00	ug/L	95%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1236861	Batch:	365282
Matrix (Source ID):	Water (527941-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1236861 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	20.66	ND	20.00	ug/L	103%		70-130	8	30	1
MTBE	17.18	ND	20.00	ug/L	86%		75-130	5	30	1
Benzene	17.49	ND	20.00	ug/L	87%		70-130	9	30	1
Trichloroethene	18.01	ND	20.00	ug/L	90%		63-130	11	30	1
Toluene	17.61	ND	20.00	ug/L	88%		70-130	8	30	1
Chlorobenzene	18.30	ND	20.00	ug/L	91%		70-130	7	30	1
Surrogates										
Dibromofluoromethane	52.77		50.00	ug/L	106%		70-130			1
1,2-Dichloroethane-d4	54.42		50.00	ug/L	109%		70-130			1
Toluene-d8	49.12		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	47.15		50.00	ug/L	94%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1236402	**Batch:** 365181	
Matrix: Water	**Method:** EPA 8270C	**Prep Method:** EPA 3510C	

QC1236402 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.4	03/07/25	03/07/25
Pyridine	ND		ug/L	10	1.7	03/07/25	03/07/25
N-Nitrosodimethylamine	ND		ug/L	10	1.4	03/07/25	03/07/25
Phenol	ND		ug/L	10	0.77	03/07/25	03/07/25
Aniline	ND		ug/L	10	1.7	03/07/25	03/07/25
bis(2-Chloroethyl)ether	ND		ug/L	25	1.2	03/07/25	03/07/25
2-Chlorophenol	ND		ug/L	10	1.4	03/07/25	03/07/25
1,3-Dichlorobenzene	ND		ug/L	10	1.2	03/07/25	03/07/25
1,4-Dichlorobenzene	ND		ug/L	10	1.2	03/07/25	03/07/25
Benzyl alcohol	ND		ug/L	10	2.0	03/07/25	03/07/25
1,2-Dichlorobenzene	ND		ug/L	10	1.1	03/07/25	03/07/25
2-Methylphenol	ND		ug/L	10	1.3	03/07/25	03/07/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	1.3	03/07/25	03/07/25
3-,4-Methylphenol	ND		ug/L	10	1.3	03/07/25	03/07/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	1.5	03/07/25	03/07/25
Hexachloroethane	ND		ug/L	10	1.3	03/07/25	03/07/25
Nitrobenzene	ND		ug/L	25	1.2	03/07/25	03/07/25
Isophorone	ND		ug/L	10	2.2	03/07/25	03/07/25
2-Nitrophenol	ND		ug/L	10	2.2	03/07/25	03/07/25
2,4-Dimethylphenol	ND		ug/L	10	1.8	03/07/25	03/07/25
Benzoic acid	ND		ug/L	50	6.3	03/07/25	03/07/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	1.5	03/07/25	03/07/25
2,4-Dichlorophenol	ND		ug/L	10	2.2	03/07/25	03/07/25
1,2,4-Trichlorobenzene	ND		ug/L	10	1.1	03/07/25	03/07/25
Naphthalene	ND		ug/L	10	1.1	03/07/25	03/07/25
4-Chloroaniline	ND		ug/L	10	1.7	03/07/25	03/07/25
Hexachlorobutadiene	ND		ug/L	10	1.1	03/07/25	03/07/25
4-Chloro-3-methylphenol	ND		ug/L	10	2.0	03/07/25	03/07/25
2-Methylnaphthalene	ND		ug/L	10	0.87	03/07/25	03/07/25
Hexachlorocyclopentadiene	ND		ug/L	25	8.8	03/07/25	03/07/25
2,4,6-Trichlorophenol	ND		ug/L	10	2.4	03/07/25	03/07/25
2,4,5-Trichlorophenol	ND		ug/L	10	2.7	03/07/25	03/07/25
2-Chloronaphthalene	ND		ug/L	10	0.85	03/07/25	03/07/25
2-Nitroaniline	ND		ug/L	50	1.9	03/07/25	03/07/25
Dimethylphthalate	ND		ug/L	10	1.7	03/07/25	03/07/25
Acenaphthylene	ND		ug/L	10	1.1	03/07/25	03/07/25
2,6-Dinitrotoluene	ND		ug/L	10	1.6	03/07/25	03/07/25
3-Nitroaniline	ND		ug/L	10	2.3	03/07/25	03/07/25
Acenaphthene	ND		ug/L	10	0.86	03/07/25	03/07/25
2,4-Dinitrophenol	ND		ug/L	50	9.9	03/07/25	03/07/25
4-Nitrophenol	ND		ug/L	10	2.2	03/07/25	03/07/25
Dibenzofuran	ND		ug/L	10	0.88	03/07/25	03/07/25
2,4-Dinitrotoluene	ND		ug/L	10	1.5	03/07/25	03/07/25
Diethylphthalate	ND		ug/L	10	1.6	03/07/25	03/07/25
Fluorene	ND		ug/L	10	0.92	03/07/25	03/07/25
4-Chlorophenyl-phenylether	ND		ug/L	10	0.84	03/07/25	03/07/25
4-Nitroaniline	ND		ug/L	10	4.2	03/07/25	03/07/25

ENTHALPY ANALYTICAL

Batch QC

QC1236402 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	2.5	03/07/25	03/07/25
N-Nitrosodiphenylamine	ND		ug/L	10	2.4	03/07/25	03/07/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	1.1	03/07/25	03/07/25
4-Bromophenyl-phenylether	ND		ug/L	10	1.1	03/07/25	03/07/25
Hexachlorobenzene	ND		ug/L	10	1.3	03/07/25	03/07/25
Pentachlorophenol	ND		ug/L	25	10	03/07/25	03/07/25
Phenanthrene	ND		ug/L	10	0.99	03/07/25	03/07/25
Anthracene	ND		ug/L	10	1.1	03/07/25	03/07/25
Di-n-butylphthalate	ND		ug/L	10	1.9	03/07/25	03/07/25
Fluoranthene	ND		ug/L	10	1.2	03/07/25	03/07/25
Benzidine	ND		ug/L	50	7.6	03/07/25	03/07/25
Pyrene	ND		ug/L	10	1.2	03/07/25	03/07/25
Butylbenzylphthalate	ND		ug/L	10	2.6	03/07/25	03/07/25
3,3'-Dichlorobenzidine	ND		ug/L	25	7.2	03/07/25	03/07/25
Benzo(a)anthracene	ND		ug/L	10	1.3	03/07/25	03/07/25
Chrysene	ND		ug/L	10	1.4	03/07/25	03/07/25
bis(2-Ethylhexyl)phthalate	3.3	J	ug/L	10	2.8	03/07/25	03/07/25
Di-n-octylphthalate	ND		ug/L	10	5.9	03/07/25	03/07/25
Benzo(b)fluoranthene	ND		ug/L	10	1.9	03/07/25	03/07/25
Benzo(k)fluoranthene	ND		ug/L	10	2.6	03/07/25	03/07/25
Benzo(a)pyrene	ND		ug/L	10	1.5	03/07/25	03/07/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	5.2	03/07/25	03/07/25
Dibenz(a,h)anthracene	ND		ug/L	10	4.2	03/07/25	03/07/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.6	03/07/25	03/07/25
TIC:2,6-Dichlorophenol	ND		ug/L			03/07/25	03/07/25
TIC:2-Acetylaminofluorene	ND		ug/L			03/07/25	03/07/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			03/07/25	03/07/25
TIC:4-Aminobiphenyl	ND		ug/L			03/07/25	03/07/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			03/07/25	03/07/25
TIC:Acetophenone	ND		ug/L			03/07/25	03/07/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			03/07/25	03/07/25
TIC:Chlorobenzilate	ND		ug/L			03/07/25	03/07/25
TIC:Diallate	ND		ug/L			03/07/25	03/07/25
TIC:Thionazin	ND		ug/L			03/07/25	03/07/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			03/07/25	03/07/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			03/07/25	03/07/25
Surrogates				**Limits**			
2-Fluorophenol	40%		%REC	20-140		03/07/25	03/07/25
Phenol-d6	25%		%REC	20-140		03/07/25	03/07/25
2,4,6-Tribromophenol	51%		%REC	20-140		03/07/25	03/07/25
Nitrobenzene-d5	59%		%REC	20-140		03/07/25	03/07/25
2-Fluorobiphenyl	53%		%REC	20-140		03/07/25	03/07/25
Terphenyl-d14	66%		%REC	20-140		03/07/25	03/07/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1236403**	**Batch:**	**365181**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1236403 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	22.69	75.00	ug/L	30%		13-120
2-Chlorophenol	45.39	75.00	ug/L	61%		31-120
1,4-Dichlorobenzene	43.62	75.00	ug/L	58%		24-120
3-,4-Methylphenol	45.48	75.00	ug/L	61%		29-120
N-Nitroso-di-n-propylamine	57.22	75.00	ug/L	76%		32-120
2,4-Dimethylphenol	52.15	75.00	ug/L	70%		25-120
1,2,4-Trichlorobenzene	44.70	75.00	ug/L	60%		26-120
4-Chloro-3-methylphenol	55.85	75.00	ug/L	74%		39-120
2,4,5-Trichlorophenol	52.47	75.00	ug/L	70%		38-120
Acenaphthene	49.80	75.00	ug/L	66%		33-120
4-Nitrophenol	33.08	75.00	ug/L	44%		12-120
2,4-Dinitrotoluene	59.93	75.00	ug/L	80%		46-120
Pentachlorophenol	52.09	75.00	ug/L	69%		37-120
Pyrene	57.41	75.00	ug/L	77%		47-120
Chrysene	59.63	75.00	ug/L	80%		48-120
Benzo(b)fluoranthene	60.60	75.00	ug/L	81%		46-120
Surrogates						
2-Fluorophenol	16.86	40.00	ug/L	42%		20-140
Phenol-d6	11.19	40.00	ug/L	28%		20-140
2,4,6-Tribromophenol	28.91	40.00	ug/L	72%		20-140
Nitrobenzene-d5	28.08	40.00	ug/L	70%		20-140
2-Fluorobiphenyl	24.14	40.00	ug/L	60%		20-140
Terphenyl-d14	27.11	40.00	ug/L	68%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1236404**	**Batch:**	**365181**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1236404 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	22.36	75.00	ug/L	30%		13-120	1	62
2-Chlorophenol	44.40	75.00	ug/L	59%		31-120	2	62
1,4-Dichlorobenzene	42.56	75.00	ug/L	57%		24-120	2	64
3-,4-Methylphenol	44.09	75.00	ug/L	59%		29-120	3	62
N-Nitroso-di-n-propylamine	57.52	75.00	ug/L	77%		32-120	1	65
2,4-Dimethylphenol	52.23	75.00	ug/L	70%		25-120	0	64
1,2,4-Trichlorobenzene	44.35	75.00	ug/L	59%		26-120	1	63
4-Chloro-3-methylphenol	56.54	75.00	ug/L	75%		39-120	1	58
2,4,5-Trichlorophenol	53.77	75.00	ug/L	72%		38-120	2	59
Acenaphthene	51.96	75.00	ug/L	69%		33-120	4	52
4-Nitrophenol	33.32	75.00	ug/L	44%		12-120	1	63
2,4-Dinitrotoluene	62.77	75.00	ug/L	84%		46-120	5	41
Pentachlorophenol	53.49	75.00	ug/L	71%		37-120	3	42
Pyrene	60.74	75.00	ug/L	81%		47-120	6	43
Chrysene	61.64	75.00	ug/L	82%		48-120	3	46
Benzo(b)fluoranthene	64.83	75.00	ug/L	86%		46-120	7	47
Surrogates								
2-Fluorophenol	16.39	40.00	ug/L	41%		20-140		
Phenol-d6	11.28	40.00	ug/L	28%		20-140		
2,4,6-Tribromophenol	30.42	40.00	ug/L	76%		20-140		
Nitrobenzene-d5	28.13	40.00	ug/L	70%		20-140		
2-Fluorobiphenyl	24.83	40.00	ug/L	62%		20-140		
Terphenyl-d14	29.44	40.00	ug/L	74%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1238295		**Batch:** 365723
Matrix: Water	**Method:** EPA 8270C-SIM		**Prep Method:** EPA 3510C

QC1238295 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	03/12/25	03/13/25
Naphthalene	ND		ug/L	0.50	0.20	03/12/25	03/13/25
Acenaphthylene	ND		ug/L	0.50	0.21	03/12/25	03/13/25
Acenaphthene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Fluorene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Phenanthrene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
Anthracene	ND		ug/L	0.50	0.18	03/12/25	03/13/25
Fluoranthene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Pyrene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(a)anthracene	ND		ug/L	0.50	0.15	03/12/25	03/13/25
Chrysene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(a)pyrene	ND		ug/L	0.50	0.13	03/12/25	03/13/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.14	03/12/25	03/13/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.20	03/12/25	03/13/25
Surrogates				**Limits**			
Nitrobenzene-d5	80%		%REC	16-125		03/12/25	03/13/25
2-Fluorobiphenyl	79%		%REC	17-120		03/12/25	03/13/25
Terphenyl-d14	96%		%REC	39-123		03/12/25	03/13/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238296**	**Batch:**	**365723**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1238296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.179	4.000	ug/L	79%		23-120
2-Methylnaphthalene	3.094	4.000	ug/L	77%		33-120
Naphthalene	3.072	4.000	ug/L	77%		38-120
Acenaphthylene	3.059	4.000	ug/L	76%		37-120
Acenaphthene	2.980	4.000	ug/L	74%		39-120
Fluorene	3.136	4.000	ug/L	78%		43-120
Phenanthrene	3.113	4.000	ug/L	78%		42-120
Anthracene	3.196	4.000	ug/L	80%		42-120
Fluoranthene	3.230	4.000	ug/L	81%		48-120
Pyrene	3.235	4.000	ug/L	81%		44-120
Benzo(a)anthracene	3.419	4.000	ug/L	85%		51-126
Chrysene	3.393	4.000	ug/L	85%		47-120
Benzo(b)fluoranthene	3.207	4.000	ug/L	80%		44-127
Benzo(k)fluoranthene	3.253	4.000	ug/L	81%		43-127
Benzo(a)pyrene	3.181	4.000	ug/L	80%		29-124
Indeno(1,2,3-cd)pyrene	3.666	4.000	ug/L	92%		44-127
Dibenz(a,h)anthracene	3.744	4.000	ug/L	94%		55-120
Benzo(g,h,i)perylene	3.715	4.000	ug/L	93%		46-120
Surrogates						
Nitrobenzene-d5	3.001	4.000	ug/L	75%		16-125
2-Fluorobiphenyl	3.042	4.000	ug/L	76%		17-120
Terphenyl-d14	3.532	4.000	ug/L	88%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238297**	**Batch:**	**365723**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1238297 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.347	4.000	ug/L	84%		23-120	5	20
2-Methylnaphthalene	3.263	4.000	ug/L	82%		33-120	5	20
Naphthalene	3.236	4.000	ug/L	81%		38-120	5	20
Acenaphthylene	3.309	4.000	ug/L	83%		37-120	8	20
Acenaphthene	3.141	4.000	ug/L	79%		39-120	5	20
Fluorene	3.327	4.000	ug/L	83%		43-120	6	20
Phenanthrene	3.185	4.000	ug/L	80%		42-120	2	20
Anthracene	3.277	4.000	ug/L	82%		42-120	3	20
Fluoranthene	3.226	4.000	ug/L	81%		48-120	0	20
Pyrene	3.224	4.000	ug/L	81%		44-120	0	20
Benzo(a)anthracene	3.470	4.000	ug/L	87%		51-126	1	20
Chrysene	3.473	4.000	ug/L	87%		47-120	2	20
Benzo(b)fluoranthene	3.300	4.000	ug/L	83%		44-127	3	20
Benzo(k)fluoranthene	3.375	4.000	ug/L	84%		43-127	4	20
Benzo(a)pyrene	3.345	4.000	ug/L	84%		29-124	5	20
Indeno(1,2,3-cd)pyrene	3.619	4.000	ug/L	90%		44-127	1	20
Dibenz(a,h)anthracene	3.687	4.000	ug/L	92%		55-120	2	20
Benzo(g,h,i)perylene	3.675	4.000	ug/L	92%		46-120	1	20
Surrogates								
Nitrobenzene-d5	3.174	4.000	ug/L	79%		16-125		
2-Fluorobiphenyl	3.247	4.000	ug/L	81%		17-120		
Terphenyl-d14	3.526	4.000	ug/L	88%		39-123		

Type:	**Blank**	**Lab ID:**	**QC1237381**	**Batch:**	**365426**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1237381 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	03/10/25	03/10/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1237382**	**Batch:**	**365426**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1237382 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.09542	0.1000	mg/L	95%		76-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1237383**	**Batch:**	**365426**
Matrix (Source ID):	**Water (528033-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1237383 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.09995	0.002987	0.1000	mg/L	97%		65-121	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1237384	Batch:	365426
Matrix (Source ID):	Water (528033-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1237384 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1016	0.002987	0.1000	mg/L	99%		65-121	2	30	0.5

Type:	Blank	Lab ID:	QC1238180	Batch:	365688
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238180 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/12/25	03/12/25

Type:	Lab Control Sample	Lab ID:	QC1238183	Batch:	365688
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238183 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1238184	Batch:	365688
Matrix (Source ID):	Water (528033-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238185	Batch:	365688
Matrix (Source ID):	Water (528033-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238185 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
DO	Diluted Out
E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 528033

Subcontracted Products

Pace Laboratories

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 20, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528033
Pace Project No.: 30763889

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 08, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 528033
Pace Project No.: 30763889

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30763889001	**SOUTH BASIN- WESTERN INLET**	Water	03/05/25 10:40	03/08/25 09:47
30763889002	**SOUTH BASIN- EASTERN INLET**	Water	03/05/25 11:00	03/08/25 09:47

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503923

25-03923

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN - WESTERN INLET	05-MAR-2025 10:40	528033-001	1	Water	Organophosphorus Pesticides	-1
SOUTH BASIN - EASTERN INLET	05-MAR-2025 11:00	528033-002	1	Water	Organophosphorus Pesticides	-2

Notes:	Relinquished By:	Received By:
	D. Dinkgreve EA-ORA	
	Date: 3/7/25 1510	Date: 3/8/25 0947
	Date:	Date:
	Date:	Date:

CHK BY MPI
DISTRIBUTION SLM
SUB OUT

MPI 3/10
DISTRIBUTION
SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 25-083923

SHIPPING INFORMATION
Fed Ex ☑ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐ Box ☑
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☑
W / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 366

Temperature: (A) 3.2 °C / (C) 3.1 °C

Date/Time 3-8-25

Analyst Init: SMH 0947

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: TDC Date/Time: 3/9/25 1301
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC.rev.20]

Date of Report: 03/19/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project:	[none]
Pace Project:	Chiquita Canyon Landfill Stormwater
Pace Work Order:	2503923
Invoice ID:	B513764

Enclosed are the results of analyses for samples received by the laboratory on 3/8/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

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Sample Results

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Internal Transfer Chain of Custody 2503923

Pace Analytical ENVIRONMENTAL SCIENCES

Pace

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

Cert. Needed: ☐ Yes ☐ No

Workorder: 30763889 **Workorder Name:** 528033 **Owner Received Date:** 3/8/2025 **Results Requested By:** 3/24/2025

Report To	Subcontract To
Nikayla M. Yasurek Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace Analytical Bakersfield 4100 Atlas Court Bakersfield, CA 93313 Phone (661)327-4911

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	Requested Analysis: Organophosphorus Pesticides	LAB USE ONLY
1	SOUTH BASIN- WESTERN INLET	PS	3/5/2025 10:40	30763889001	Water	1	X	
2	SOUTH BASIN- EASTERN INLET	PS	3/5/2025 11:00	30763889002	Water	1	X	
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Comments

Cooler Temperature on Receipt _____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Pace®

Ship To:
Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

INTER_LABORATORY WORK ORDER # 30763889
(To be completed by sending lab)

Sending Project No:	30763889
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	03/17/25
REQUESTED COMPLETION DATE:	**3/24/2025**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Nikayla M. Yasurek
Receiving Region	S870	External Client	Enthalpy Analytical
State of Sample Origin		QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Organophosphorus Pesticides	DG9H		HCL	2	SI-33GCV	SUB PASI GCV

Special Requirements: Report C, QC Limits (C),CA PWS CLIP (1687),PEG Level LE (1550)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503923

25-03923

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN - WESTERN INLET	05-MAR-2025 10:40	528033-001	1	Water	Organophosphorus Pesticides	-1
SOUTH BASIN - EASTERN INLET	05-MAR-2025 11:00	528033-002	1	Water	Organophosphorus Pesticides	-2

Notes:	Relinquished By:	Received By:
	A. Winterson EA-ORA	
	Date: 3/7/25 1510	Date: 3/8/25 0947
	Date:	Date:
	Date:	Date:

CHK BY MPT
DISTRIBUTION SLM
SUB OUT

DISTRIBUTION LMH 3/10
SUB OUT

1 of 1

PACE ANALYTICAL	COOLER RECEIPT FORM	Page 1 Of 1
Submission #: 25-03923		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☑ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐ Box ☑	YES ☐ NO ☑
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 366 Date/Time 3-8-25

Temperature: (A) 3.2 °C / (C) 3.1 °C Analyst Init SMH 0947

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: TDC Date/Time: 3/9/25 1300

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2503923-01	**COC Number:**	---	**Receive Date:**	03/08/2025 09:47
	Project Number:	---	**Sampling Date:**	03/05/2025 10:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN-WESTERN INLET	**Lab Matrix:**	Water
	Sampled By:	client	**Sample Type:**	Water
2503923-02	**COC Number:**	---	**Receive Date:**	03/08/2025 09:47
	Project Number:	---	**Sampling Date:**	03/05/2025 11:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN-EASTERN INLET	**Lab Matrix:**	Water
	Sampled By:	client	**Sample Type:**	Water

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2503923-01 | **Client Sample Name:** SOUTH BASIN-WESTERN INLET, 3/5/2025 10:40:00AM, client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	43.8	%	50 - 130 (LCL - UCL)		EPA-8141A		S09	1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	03/12/25 17:35	03/19/25 05:27	HAH	GC-18	1	B208288	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2503923-02 | **Client Sample Name:** SOUTH BASIN-EASTERN INLET, 3/5/2025 11:00:00AM, client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	68.0	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	03/12/25 17:35	03/19/25 05:57	HAH	GC-18	1	B208288	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B208288							
Azinphos methyl	B208288-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B208288-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B208288-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B208288-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B208288-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B208288-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B208288-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B208288-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B208288-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B208288-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Naled	B208288-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B208288-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B208288-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B208288-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B208288-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B208288-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	**B208288-BLK1**	**117**	%	**50 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208288-BLK1	PB	EPA-8141A	03/12/25	03/19/25 03:59	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B208288											
Bolstar	B208288-BS1	LCS	2.3300	2.0000	ug/L	116		50 - 130			1
	B208288-BSD1	LCSD	2.4250	2.0000	ug/L	121	4.0	50 - 130	30		2
Chlorpyrifos	B208288-BS1	LCS	2.2800	2.0000	ug/L	114		60 - 120			1
	B208288-BSD1	LCSD	2.2600	2.0000	ug/L	113	0.9	60 - 120	30		2
Diazinon	B208288-BS1	LCS	2.2000	2.0000	ug/L	110		60 - 130			1
	B208288-BSD1	LCSD	2.1600	2.0000	ug/L	108	1.8	60 - 130	30		2
Methyl parathion	B208288-BS1	LCS	2.1900	2.0000	ug/L	110		60 - 120			1
	B208288-BSD1	LCSD	2.2350	2.0000	ug/L	112	2.0	60 - 120	30		2
Mevinphos	**B208288-BS1**	LCS	**2.9200**	**2.0000**	**ug/L**	**146**		**50 - 120**		**L01**	1
	B208288-BSD1	LCSD	**2.7300**	**2.0000**	**ug/L**	**136**	**6.7**	**50 - 120**	**30**	**L01**	2
Ronnel (Fenchlorphos)	B208288-BS1	LCS	2.3200	2.0000	ug/L	116		50 - 120			1
	B208288-BSD1	LCSD	2.0350	2.0000	ug/L	102	13.1	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	**B208288-BS1**	LCS	**2.4800**	**2.0000**	**ug/L**	**124**		**50 - 120**		**L01**	1
	B208288-BSD1	LCSD	**2.0350**	**2.0000**	**ug/L**	**102**	**19.7**	**50 - 120**	**30**		2
Triphenylphosphate (Surrogate)	B208288-BS1	LCS	2.9350	2.5000	ug/L	117		50 - 130			1
	B208288-BSD1	LCSD	2.8100	2.5000	ug/L	112	4.4	50 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208288-BS1	LCS	EPA-8141A	03/12/25	03/19/25 04:29	HAH	GC-18	1
2	B208288-BSD1	LCSD	EPA-8141A	03/12/25	03/19/25 04:58	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
S09	The surrogate recovery for this compound was not within the control limits.

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Laboratory Job Number 528033

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2503375

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 709649
Project: EO-528033

Project Location:
Project Received: 03/07/2025

Analytical Report reviewed & approved for release on 03/14/2025 by:

Jena Alfaro
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503375

Project: EO-528033

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503375

Project: EO-528033

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503375
Date Received:	03/07/2025 10:00	**Extraction Method:**	SW8151A
Date Prepared:	03/10/2025	**Analytical Method:**	SW8151A
Project:	EO-528033	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN - WESTERN INLET	2503375-001A	Water	03/05/2025 10:40	GC15A 03122549.D	312920

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	5.2	20	20	03/13/2025 06:28
Bentazon	ND	8.2	20	20	03/13/2025 06:28
Chloramben	ND	6.2	20	20	03/13/2025 06:28
2,4-D (Dichlorophenoxyacetic acid)	ND	1.2	4.0	20	03/13/2025 06:28
2,4-DB	ND	4.2	20	20	03/13/2025 06:28
Dalapon	ND	7.8	20	20	03/13/2025 06:28
DCPA (mono & diacid)	ND	2.8	20	20	03/13/2025 06:28
Dicamba	ND	1.2	4.0	20	03/13/2025 06:28
3,5-Dichlorobenzoic Acid	ND	3.8	20	20	03/13/2025 06:28
Dichloroprop	ND	3.6	20	20	03/13/2025 06:28
Dinoseb (DNBP)	ND	3.6	20	20	03/13/2025 06:28
MCPA	ND	28	40	20	03/13/2025 06:28
MCPP	ND	15	40	20	03/13/2025 06:28
4-Nitrophenol	ND	10	20	20	03/13/2025 06:28
Pentachlorophenol (PCP)	ND	1.1	4.0	20	03/13/2025 06:28
Picloram	ND	7.0	20	20	03/13/2025 06:28
2,4,5-T (Trichlorophenoxy acetic acid)	ND	1.1	4.0	20	03/13/2025 06:28
2,4,5-TP (Silvex)	ND	2.8	10	20	03/13/2025 06:28

Surrogates	REC (%)	Limits	
DCAA	96	60-140	03/13/2025 06:28

Analyst(s): DP Analytical Comments: a3

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503375
Date Received:	03/07/2025 10:00	**Extraction Method:**	SW8151A
Date Prepared:	03/10/2025	**Analytical Method:**	SW8151A
Project:	EO-528033	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN - EASTERN INLET	2503375-002A	Water	03/05/2025 11:00	GC15A 03122550.D	312920

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	5.2	20	20	03/13/2025 06:53
Bentazon	ND	8.2	20	20	03/13/2025 06:53
Chloramben	ND	6.2	20	20	03/13/2025 06:53
2,4-D (Dichlorophenoxyacetic acid)	ND	1.2	4.0	20	03/13/2025 06:53
2,4-DB	ND	4.2	20	20	03/13/2025 06:53
Dalapon	ND	7.8	20	20	03/13/2025 06:53
DCPA (mono & diacid)	ND	2.8	20	20	03/13/2025 06:53
Dicamba	ND	1.2	4.0	20	03/13/2025 06:53
3,5-Dichlorobenzoic Acid	ND	3.8	20	20	03/13/2025 06:53
Dichloroprop	ND	3.6	20	20	03/13/2025 06:53
Dinoseb (DNBP)	ND	3.6	20	20	03/13/2025 06:53
MCPA	ND	28	40	20	03/13/2025 06:53
MCPP	ND	15	40	20	03/13/2025 06:53
4-Nitrophenol	ND	10	20	20	03/13/2025 06:53
Pentachlorophenol (PCP)	ND	1.1	4.0	20	03/13/2025 06:53
Picloram	ND	7.0	20	20	03/13/2025 06:53
2,4,5-T (Trichlorophenoxy acetic acid)	ND	1.1	4.0	20	03/13/2025 06:53
2,4,5-TP (Silvex)	ND	2.8	10	20	03/13/2025 06:53

Surrogates	REC (%)	Limits	
DCAA	105	60-140	03/13/2025 06:53

Analyst(s): DP Analytical Comments: a3

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503375
Date Prepared:	03/10/2025	**BatchID:**	312920
Date Analyzed:	03/13/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528033	**Sample ID:**	MB/LCS/LCSD-312920

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.5			10	95	70-130

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503375
Date Prepared:	03/10/2025	**BatchID:**	312920
Date Analyzed:	03/13/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528033	**Sample ID:**	MB/LCS/LCSD-312920

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	9.6	8.7	10	96	87	70-130	9.30	30
Bentazon	9.3	8.9	10	93	89	70-130	4.52	30
Chloramben	10	9.3	10	105	93	70-130	11.4	30
2,4-D (Dichlorophenoxyacetic acid)	9.3	8.7	10	93	87	70-130	6.29	30
2,4-DB	9.4	9.1	10	94	91	70-130	3.58	30
Dalapon	9.5	8.8	10	95	88	70-130	6.93	30
DCPA (mono & diacid)	9.9	9.2	10	99	92	70-130	7.72	30
Dicamba	9.7	9.2	10	97	92	70-130	5.62	30
3,5-Dichlorobenzoic Acid	9.5	9.0	10	95	90	70-130	5.25	30
Dichloroprop	9.2	8.7	10	92	87	70-130	5.34	30
Dinoseb (DNBP)	9.6	9.0	10	96	90	70-130	6.14	30
MCPA	73	80	100	73	80	70-130	9.14	30
MCPP	76	72	100	76	72	70-130	5.43	30
4-Nitrophenol	11	9.9	10	110	99	70-130	10.9	30
Pentachlorophenol (PCP)	9.7	9.2	10	97	92	70-130	5.99	30
Picloram	10	9.2	10	102	92	70-130	9.84	30
2,4,5-T (Trichlorophenoxy acetic acid)	9.7	8.9	10	97	89	70-130	8.59	30
2,4,5-TP (Silvex)	10	9.0	10	101	90	70-130	11.2	30
Surrogate Recovery								
DCAA	11	10	10	106	105	70-130	1.25	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503375 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:

Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email:
cc/3rd Party:
PO: 709649
Project: EO-528033

Bill to:

Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **5 days;**

Date Received: **03/07/2025**
Date Logged: **03/07/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503375-001	SOUTH BASIN - WESTERN INLET	Water	3/5/2025 10:40	☐	A	A										
2503375-002	SOUTH BASIN - EASTERN INLET	Water	3/5/2025 11:00	☐	A	A										

Test Legend:

1	8151_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Gemma Gomez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-528033 **Work Order:** 2503375

Client Contact: **QC Level:** LEVEL 2

Contact's Email: **Comments** **Date Logged:** 3/7/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN - WESTERN INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/5/2025 10:40	5 days	3/14/2025	Present	☐	☐
002A	SOUTH BASIN - EASTERN INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/5/2025 11:00	5 days	3/14/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503315

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN - WESTERN INLET	05-MAR-2025 10:40	528033-001	1	Water	EPA 8151A Chlorinated Herbicides	
SOUTH BASIN - EASTERN INLET	05-MAR-2025 11:00	528033-002	1	Water	EPA 8151A Chlorinated Herbicides	

Notes:	Relinquished By:	Received By:
	L. Dantzler EA-ORA	
	Date: 3/6/25 1800	Date: 3/7/25 1000
	Date:	Date:
	Date:	Date:

D. Zmt 3/7/25

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528033

WorkOrder №: 2503375 Matrix: Water
Carrier: Golden State Overnight

Date and Time Received: 3/7/2025 10:00
Date Logged: 3/7/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☑	No	☐	NA	☐
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.2°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Laboratory Job Number 528033

Subcontracted Products

Enthalpy - El Dorado Hills

March 20, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2503065

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 07, 2025 under your Project Name 'EO-528033'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2503065
Case Narrative

Sample Condition on Receipt:

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2503065-01	SOUTH BASIN - WESTERN INLET	05-Mar-25 10:40	07-Mar-25 11:08	Amber Glass NM Bottle, 1L
2503065-02	SOUTH BASIN - EASTERN INLET	05-Mar-25 11:00	07-Mar-25 11:08	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-528033
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C174-BLK1
QC Batch: B25C174 Date Extracted: 13-Mar-25
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		14-Mar-25 16:47	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	88.9	40 - 135		14-Mar-25 16:47	1
37Cl-2,3,7,8-TCDD	CRS	102	40 - 135		14-Mar-25 16:47	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: OPR **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-528033
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C174-BS1
QC Batch: B25C174 Date Extracted: 13-Mar-25 02:58
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	191	200	95.7	70-130		14-Mar-25 13:43	1
Labeled Standards	**Type**		**% Recovery**	**Limits**	**Qualifiers**	**Analyzed**	**Dilution**
13C-2,3,7,8-TCDD	IS		93.7	40-135		14-Mar-25 13:43	1
37Cl-2,3,7,8-TCDD	CRS		109	40-135		14-Mar-25 13:43	1

Sample ID: SOUTH BASIN - WESTERN INLET

EPA Method 8290A

Client Data

Name: Enthalpy Analytical
Project: EO-528033
Matrix: Water
Date Collected: 05-Mar-25 10:40

Laboratory Data

Lab Sample: 2503065-01
QC Batch: B25C174
Sample Size: 1.04 L
Date Received: 07-Mar-25 11:08
Date Extracted: 13-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.71	4.80		14-Mar-25 18:19	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	45.6	40 - 135		14-Mar-25 18:19	1
37Cl-2,3,7,8-TCDD	CRS	97.1	40 - 135		14-Mar-25 18:19	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: SOUTH BASIN - EASTERN INLET

EPA Method 8290A

Client Data

Name: Enthalpy Analytical
Project: EO-528033
Matrix: Water
Date Collected: 05-Mar-25 11:00

Laboratory Data

Lab Sample: 2503065-02
QC Batch: B25C174
Sample Size: 1.05 L
Date Received: 07-Mar-25 11:08
Date Extracted: 13-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.69	4.76		14-Mar-25 19:05	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	9.10	40 - 135	H	14-Mar-25 19:05	1
37Cl-2,3,7,8-TCDD	CRS	99.1	40 - 135		14-Mar-25 19:05	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

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931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

2503065

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

1-2°C

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN - WESTERN INLET	05-MAR-2025 10:40	528033-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	
SOUTH BASIN - EASTERN INLET	05-MAR-2025 11:00	528033-002	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	A. Quintero EA-OPA	Karen Lee
	Date: 3/6/25 1800	Date: 03/07/25 11:04
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2503065

LabNumber	CoC Sample ID			SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2503065-01	A SOUTH BASIN - WESTERN INLET	☑	A)	528033-001	05-Mar-25 10:40	☑	Amber Glass NM Bottle, 1L	Aqueous	
2503065-02	A SOUTH BASIN - EASTERN INLET	☑	L	528033-001	05-Mar-25 11:00	☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments:
A) No backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verified by/Date: Iher 03/07/25
JT 03/07/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	528317
Report Level	:	II
Report Date	:	03/31/2025
Revision	:	**1 (See narrative)**

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Location: 4050-25-00306 PROJ-037507

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384	Lab Job #: Location: Date Received:	528317 4050-25-00306 PROJ-037507 03/07/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN STAGE 1	528317-001	03/07/25 10:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528317 Location: 4050-25-00306 PROJ-037507 Date Received: 03/07/25

- This data package contains sample and QC results for one water sample, requested for the above referenced project on 03/07/25. The sample was received cold and intact.
- This report was revised on 03/31/25 to include subcontracted 8290 TCDD data.

Volatile Organics by GC/MS (EPA 8260B):

- A number of analytes were detected between the MDL and the RL in the method blank for batch 365377; these analytes were not detected in the sample at or above the RL.
- Naphthalene was detected between the MDL and the RL in the method blank for batch 365396; this analyte was not detected in the sample at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

- Bis(2-ethylhexyl)phthalate was detected between the MDL and the RL in the method blank for batch 365181; this analyte was not detected in the sample at or above the RL.
- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 625.1):

- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

No analytical problems were encountered.

Pesticides (EPA 8081A):

- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):

No analytical problems were encountered.

PCBs (EPA 8082):

- High surrogate recovery was observed for decachlorobiphenyl (PCB) in SOUTH BASIN STAGE 1 (lab # 528317-001); no target analytes were detected in the sample.
- SOUTH BASIN STAGE 1 (lab # 528317-001) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 200.7, EPA 200.8, and EPA 245.1):

- High recovery was observed for antimony in the LCS for batch 365317; this analyte was not detected at or above the RL in the associated sample.
- High recovery was observed for boron in the MS for batch 365317; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for boron in the MS/MSD for batch 365317.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Low response was observed for fluoride in the CCV analyzed 03/08/25 13:34; affected data was qualified with "b".
- Low response was observed for fluoride in the CCV analyzed 03/08/25 16:14; affected data was qualified with "b".
- Low recoveries were observed for fluoride in the MS/MSD for batch 365263; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Phenolics (EPA 420.1):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):
No analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

- Responses exceeding the instrument's linear range were observed for ammonia-N in the MS/MSD for batch 366508; affected data was qualified with "E".
- No other analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528317

Page: 1 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt 4.3/4.3 5.0/5.0 1124 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	200.8 CHROMIUM, ZINC, ARSENIC	625	AMMONIA	BOD						Test Instructions / Commen
1	SOUTH BASIN	03/07/25	1000	W	4	6,2,4	X	X	X	X						Subchapter N
2																
3																
4																
5																
6																
7																
8																
9																
10																

Email report to:

Login 528317

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Ian Carter II	CTEH	3/7/2025 3:00pm
[1] Received By:		Overnight	EA	3/7/25 ~~1500~~ 15:20
[2] Relinquished By:				
[2] Received By:				6CK 3/7/25
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/7/25 WO# 528317 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/7/25 By (initials) GCK/ARA Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0

Cooler Temp (°C) #1: 4.3 / 4.3 #2: 5.0 / 5.0 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	x		
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?	x		
7) Does the container count match the CoC?	x		
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?	x		
10) Were samples received with > 1/2 holding time remaining?	x		
11) Are samples properly preserved as indicated by CoC / labels?	x		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?			x

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☒ **No additional discrepancies**

Date Logged 3/7/25 **By (print)** G. Kim **(sign)** _____

Date Labeled 3/7/25 **By (print)** Orange **(sign)** _____

Outlook

[External] - RE: 3-7-25 SOUTH BASIN SAMPLES

From Amanda Froman <Amanda.Froman@WasteConnections.com>
Date Fri 3/7/2025 11:58 AM
To Scott Toups <sctoups@montrose-env.com>; Zach Barker <Zach.barker@enthalpy.com>; David Tripp <david.tripp@enthalpy.com>
Cc Elbie Cannon <ecannon@montrose-env.com>

This is the first time you received an email from this sender (Amanda.Froman@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello All,

Can you please update the nomenclature to reflect South Basin Stage 1.

Thank you,

Amanda Froman
Compliance Manager
Chiquita Canyon Landfill
Waste Connections, Inc.
(m) 661-625-1409

From: Scott Toups <sctoups@montrose-env.com>
Sent: Friday, March 7, 2025 11:37 AM
To: Amanda Froman <Amanda.Froman@WasteConnections.com>; Zach Barker <Zach.barker@enthalpy.com>; David Tripp <david.tripp@enthalpy.com>
Cc: Elbie Cannon <ecannon@montrose-env.com>
Subject: 3-7-25 SOUTH BASIN SAMPLES

Attached is a copy of the COC for the South Basin samples taken today.
Ian is on his way to the lab to deliver the samples.

Scott Toups
501-951-3533

CONFIDENTIALITY NOTICE: The contents of this email message and any attachments are intended solely for the addressee(s) and may contain confidential, proprietary and/or privileged information and may be legally protected from disclosure. If you are not the intended recipient of this message or their agent, or if this message has been addressed to you in error, please immediately alert the sender by reply email and then delete this message and any attachments and the reply from your system. If you are not the intended recipient, you are hereby notified that any disclosure, use, dissemination, copying, or storage of this message or its attachments is strictly prohibited.

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Zach Barker

From: Amanda Froman <Amanda.Froman@WasteConnections.com>
Sent: Friday, March 7, 2025 11:58 AM
To: Scott Toups; Zach Barker; David Tripp
Cc: Elbie Cannon
Subject: [External] - RE: 3-7-25 SOUTH BASIN SAMPLES

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Compliance Manager
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Sent: Friday, March 7, 2025 11:37 AM
To: Amanda Froman <Amanda.Froman@WasteConnections.com>; Zach Barker <Zach.barker@enthalpy.com>; David Tripp <david.tripp@enthalpy.com>
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ENTHALPY ANALYTICAL

Analysis Results for 528317

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528317
Location: 4050-25-00306 PROJ-037507
Date Received: 03/07/25

Sample ID: SOUTH BASIN STAGE 1 **Lab ID: 528317-001** **Collected: 03/07/25 10:00**
Matrix: Water

528317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	4.8	2.0	0.96	366097	03/16/25	03/19/25	DAD
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**98**		mg/L	0.57	0.57	1	365439	03/10/25	03/11/25	KAM
Iron	**1.4**		mg/L	0.046	0.046	1	365439	03/10/25	03/11/25	KAM
Magnesium	**15**		mg/L	0.10	0.025	1	365439	03/10/25	03/11/25	KAM
Potassium	**13**		mg/L	0.50	0.40	1	365439	03/10/25	03/12/25	KAM
Sodium	**68**		mg/L	0.50	0.35	1	365439	03/10/25	03/11/25	KAM
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**370**		ug/L	100	57	10	365317	03/08/25	03/11/25	KAM
Tin	**0.83**	J	ug/L	5.0	0.50	1	365317	03/08/25	03/11/25	KAM
Antimony	**1.9**	J	ug/L	2.0	0.31	1	365317	03/08/25	03/11/25	KAM
Arsenic	**6.8**		ug/L	2.0	0.38	1	365317	03/08/25	03/11/25	KAM
Barium	**69**		ug/L	5.0	0.46	1	365317	03/08/25	03/11/25	KAM
Beryllium	ND		ug/L	1.0	0.21	1	365317	03/08/25	03/11/25	KAM
Cadmium	**0.12**	J	ug/L	1.0	0.095	1	365317	03/08/25	03/11/25	KAM
Chromium	**3.6**	J	ug/L	5.0	0.24	1	365317	03/08/25	03/11/25	KAM
Cobalt	**2.8**		ug/L	1.0	0.10	1	365317	03/08/25	03/11/25	KAM
Copper	**5.7**		ug/L	3.0	0.71	1	365317	03/08/25	03/11/25	KAM
Lead	**3.0**	J	ug/L	5.0	0.18	1	365317	03/08/25	03/11/25	KAM
Manganese	**130**		ug/L	10	3.4	1	365317	03/08/25	03/11/25	KAM
Nickel	**6.9**		ug/L	5.0	0.74	1	365317	03/08/25	03/11/25	KAM
Selenium	**1.7**	J	ug/L	2.0	1.6	1	365317	03/08/25	03/11/25	KAM
Silver	ND		ug/L	5.0	0.63	1	365317	03/08/25	03/11/25	KAM
Thallium	ND		ug/L	1.0	0.20	1	365317	03/08/25	03/11/25	KAM
Vanadium	**7.7**		ug/L	5.0	0.26	1	365317	03/08/25	03/11/25	KAM
Zinc	**15**		ug/L	10	7.4	1	365317	03/08/25	03/11/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**0.047**	J	ug/L	0.40	0.032	1	365699	03/12/25	03/12/25	MLL
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.41**		mg/L	0.20	0.072	1	365263	03/07/25 16:00	03/08/25 04:49	JAA
Chloride	**57**		mg/L	1.0	0.27	1	365263	03/07/25 16:00	03/08/25 04:49	JAA
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	365263	03/07/25 16:00	03/08/25 04:49	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528317

528317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromide	**0.47**		mg/L	0.30	0.060	1	365263	03/07/25 16:00	03/08/25 04:49	JAA
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	365263	03/07/25 16:00	03/08/25 04:49	JAA
Sulfate	**220**		mg/L	10	2.5	10	365263	03/07/25 16:00	03/08/25 05:10	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**1.7**		mg/L	0.10	0.050	1	366508	03/20/25	03/21/25	JAK
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.018**		mg/L	0.010	0.0047	1	366250	03/18/25	03/18/25	LVL
Method: EPA 625.1 Prep Method: EPA 3510C										
Cresol	ND		ug/L	47		4.7	365181	03/08/25	03/12/25	XLY
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.5	0.2	9.5	365844	03/13/25	03/14/25	KLR
beta-BHC	ND		ug/L	0.5	0.3	9.5	365844	03/13/25	03/14/25	KLR
gamma-BHC	ND		ug/L	0.5	0.2	9.5	365844	03/13/25	03/14/25	KLR
delta-BHC	ND		ug/L	0.5	0.2	9.5	365844	03/13/25	03/14/25	KLR
Heptachlor	ND		ug/L	0.5	0.2	9.5	365844	03/13/25	03/14/25	KLR
Aldrin	ND		ug/L	0.5	0.3	9.5	365844	03/13/25	03/14/25	KLR
Heptachlor epoxide	ND		ug/L	0.5	0.2	9.5	365844	03/13/25	03/14/25	KLR
Endosulfan I	ND		ug/L	0.5	0.2	9.5	365844	03/13/25	03/14/25	KLR
Dieldrin	ND		ug/L	1.0	0.2	9.5	365844	03/13/25	03/14/25	KLR
4,4'-DDE	ND		ug/L	1.0	0.3	9.5	365844	03/13/25	03/14/25	KLR
Endrin	ND		ug/L	1.0	0.3	9.5	365844	03/13/25	03/14/25	KLR
Endosulfan II	ND		ug/L	1.0	0.3	9.5	365844	03/13/25	03/14/25	KLR
Endosulfan sulfate	ND		ug/L	1.0	0.3	9.5	365844	03/13/25	03/14/25	KLR
4,4'-DDD	ND		ug/L	1.0	0.2	9.5	365844	03/13/25	03/14/25	KLR
Endrin aldehyde	ND		ug/L	1.0	0.4	9.5	365844	03/13/25	03/14/25	KLR
Endrin ketone	ND		ug/L	1.0	0.3	9.5	365844	03/13/25	03/14/25	KLR
4,4'-DDT	ND		ug/L	1.0	0.4	9.5	365844	03/13/25	03/14/25	KLR
Methoxychlor	ND		ug/L	1.0	0.5	9.5	365844	03/13/25	03/14/25	KLR
Toxaphene	ND		ug/L	19	4.3	9.5	365844	03/13/25	03/14/25	KLR
Chlordane (Technical)	ND		ug/L	9.5	2.3	9.5	365844	03/13/25	03/14/25	KLR
Surrogates				**Limits**						
TCMX		DO	%REC	14-120		9.5	365844	03/13/25	03/14/25	KLR
Decachlorobiphenyl		DO	%REC	20-120		9.5	365844	03/13/25	03/14/25	KLR
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	2.4	1.8	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1221	ND		ug/L	2.4	2.0	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1232	ND		ug/L	2.4	1.7	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1242	ND		ug/L	2.4	1.7	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1248	ND		ug/L	2.4	1.6	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1254	ND		ug/L	2.4	0.86	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1260	ND		ug/L	2.4	2.1	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1262	ND		ug/L	2.4	1.9	4.8	365844	03/13/25	03/14/25	KLR
Aroclor-1268	ND		ug/L	2.4	1.2	4.8	365844	03/13/25	03/14/25	KLR
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528317

528317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Decachlorobiphenyl (PCB)	177%	*	%REC	18-126		4.8	365844	03/13/25	03/14/25	KLR
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.7	1	365377	03/10/25	03/10/25	LYZ
2-Chloroethylvinylether	ND		ug/L	50	2.7	1	365377	03/10/25	03/10/25	LYZ
Chloroprene	ND		ug/L	200	2.0	1	365396	03/11/25	03/11/25	LYZ
3-Chloropropene	ND		ug/L	5.0	0.3	1	365377	03/10/25	03/10/25	LYZ
Ethyl methacrylate	ND		ug/L	50	1.3	1	365377	03/10/25	03/10/25	LYZ
Ethanol	ND		ug/L	500	250	1	365377	03/10/25	03/10/25	LYZ
2-Hexanone	ND		ug/L	5.0	0.8	1	365377	03/10/25	03/10/25	LYZ
Iodomethane	ND		ug/L	5.8	5.8	1	365377	03/10/25	03/10/25	LYZ
Isopropanol (IPA)	**110**	J	ug/L	200	64	1	365377	03/10/25	03/10/25	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.2	1	365377	03/10/25	03/10/25	LYZ
Vinyl Acetate	ND		ug/L	50	2.5	1	365377	03/10/25	03/10/25	LYZ
Acrolein	ND		ug/L	200	2.2	1	365377	03/10/25	03/10/25	LYZ
Acrylonitrile	ND		ug/L	10	0.7	1	365377	03/10/25	03/10/25	LYZ
Freon 12	ND		ug/L	5.0	0.3	1	365377	03/10/25	03/10/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365377	03/10/25	03/10/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Bromomethane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Chloroethane	ND		ug/L	5.0	0.3	1	365377	03/10/25	03/10/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Acetone	**78**	J	ug/L	100	44	1	365377	03/10/25	03/10/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
Methylene Chloride	ND		ug/L	5.0	3.5	1	365377	03/10/25	03/10/25	LYZ
MTBE	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	365377	03/10/25	03/10/25	LYZ
2-Butanone	**21**	J	ug/L	100	2.3	1	365377	03/10/25	03/10/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
Benzene	ND		ug/L	1.0	0.1	1	365377	03/10/25	03/10/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	365377	03/10/25	03/10/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Toluene	ND		ug/L	5.0	0.3	1	365377	03/10/25	03/10/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528317

528317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.07	1	365377	03/10/25	03/10/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.1	1	365377	03/10/25	03/10/25	LYZ
o-Xylene	ND		ug/L	5.0	0.09	1	365377	03/10/25	03/10/25	LYZ
Styrene	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Bromoform	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.09	1	365377	03/10/25	03/10/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.09	1	365377	03/10/25	03/10/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	365377	03/10/25	03/10/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	365377	03/10/25	03/10/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	365377	03/10/25	03/10/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	365377	03/10/25	03/10/25	LYZ
para-Isopropyl Toluene	**0.2**	J	ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365377	03/10/25	03/10/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	365377	03/10/25	03/10/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	365377	03/10/25	03/10/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	365377	03/10/25	03/10/25	LYZ
Naphthalene	ND		ug/L	5.0	0.5	1	365377	03/10/25	03/10/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	365377	03/10/25	03/10/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	365377	03/10/25	03/10/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	365377	03/10/25	03/10/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365377	03/10/25	03/10/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	365377	03/10/25	03/10/25	LYZ
1,2-Dichloroethane-d4	101%		%REC	70-130		1	365377	03/10/25	03/10/25	LYZ
Toluene-d8	95%		%REC	70-130		1	365377	03/10/25	03/10/25	LYZ
Bromofluorobenzene	99%		%REC	70-130		1	365377	03/10/25	03/10/25	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.48	0.18	0.97	365723	03/12/25	03/13/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.48	0.23	0.97	365723	03/12/25	03/13/25	ZFA
Naphthalene	ND		ug/L	0.48	0.20	0.97	365723	03/12/25	03/13/25	ZFA
Acenaphthylene	ND		ug/L	0.48	0.20	0.97	365723	03/12/25	03/13/25	ZFA
Acenaphthene	ND		ug/L	0.48	0.17	0.97	365723	03/12/25	03/13/25	ZFA
Fluorene	ND		ug/L	0.48	0.16	0.97	365723	03/12/25	03/13/25	ZFA
Phenanthrene	ND		ug/L	0.48	0.19	0.97	365723	03/12/25	03/13/25	ZFA
Anthracene	ND		ug/L	0.48	0.17	0.97	365723	03/12/25	03/13/25	ZFA
Fluoranthene	ND		ug/L	0.48	0.17	0.97	365723	03/12/25	03/13/25	ZFA
Pyrene	ND		ug/L	0.48	0.16	0.97	365723	03/12/25	03/13/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.48	0.14	0.97	365723	03/12/25	03/13/25	ZFA
Chrysene	ND		ug/L	0.48	0.16	0.97	365723	03/12/25	03/13/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.48	0.16	0.97	365723	03/12/25	03/13/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528317

528317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzo(k)fluoranthene	ND		ug/L	0.48	0.16	0.97	365723	03/12/25	03/13/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.48	0.12	0.97	365723	03/12/25	03/13/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.48	0.14	0.97	365723	03/12/25	03/13/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.48	0.18	0.97	365723	03/12/25	03/13/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.48	0.19	0.97	365723	03/12/25	03/13/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	80%		%REC	16-125		0.97	365723	03/12/25	03/13/25	ZFA
2-Fluorobiphenyl	48%		%REC	17-120		0.97	365723	03/12/25	03/13/25	ZFA
Terphenyl-d14	83%		%REC	39-123		0.97	365723	03/12/25	03/13/25	ZFA
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	**11**		ug/L	1.0	0.95	1	365701	03/12/25	03/13/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	365701	03/12/25	03/13/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Pyridine	ND		ug/L	47	18	4.7	365181	03/08/25	03/12/25	XLY
N-Nitrosodimethylamine	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
Phenol	ND		ug/L	47	17	4.7	365181	03/08/25	03/12/25	XLY
Aniline	ND		ug/L	47	21	4.7	365181	03/08/25	03/12/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	120	15	4.7	365181	03/08/25	03/12/25	XLY
2-Chlorophenol	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
1,3-Dichlorobenzene	ND		ug/L	47	16	4.7	365181	03/08/25	03/12/25	XLY
1,4-Dichlorobenzene	ND		ug/L	47	16	4.7	365181	03/08/25	03/12/25	XLY
Benzyl alcohol	ND		ug/L	47	27	4.7	365181	03/08/25	03/12/25	XLY
1,2-Dichlorobenzene	ND		ug/L	47	15	4.7	365181	03/08/25	03/12/25	XLY
2-Methylphenol	ND		ug/L	47	15	4.7	365181	03/08/25	03/12/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
3-,4-Methylphenol	ND		ug/L	47	12	4.7	365181	03/08/25	03/12/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	47	18	4.7	365181	03/08/25	03/12/25	XLY
Hexachloroethane	ND		ug/L	47	18	4.7	365181	03/08/25	03/12/25	XLY
Nitrobenzene	ND		ug/L	120	30	4.7	365181	03/08/25	03/12/25	XLY
Isophorone	ND		ug/L	47	8.8	4.7	365181	03/08/25	03/12/25	XLY
2-Nitrophenol	ND		ug/L	47	26	4.7	365181	03/08/25	03/12/25	XLY
2,4-Dimethylphenol	ND		ug/L	47	21	4.7	365181	03/08/25	03/12/25	XLY
Benzoic acid	ND		ug/L	230	91	4.7	365181	03/08/25	03/12/25	XLY
bis(2-Chloroethoxy)methane	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
2,4-Dichlorophenol	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	47	12	4.7	365181	03/08/25	03/12/25	XLY
Naphthalene	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
4-Chloroaniline	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Hexachlorobutadiene	ND		ug/L	47	19	4.7	365181	03/08/25	03/12/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
2-Methylnaphthalene	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	120	23	4.7	365181	03/08/25	03/12/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	47	10	4.7	365181	03/08/25	03/12/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
2-Chloronaphthalene	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
2-Nitroaniline	ND		ug/L	230	17	4.7	365181	03/08/25	03/12/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528317

528317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dimethylphthalate	ND		ug/L	47	15	4.7	365181	03/08/25	03/12/25	XLY
Acenaphthylene	ND		ug/L	47	10	4.7	365181	03/08/25	03/12/25	XLY
2,6-Dinitrotoluene	ND		ug/L	47	17	4.7	365181	03/08/25	03/12/25	XLY
3-Nitroaniline	ND		ug/L	47	8.7	4.7	365181	03/08/25	03/12/25	XLY
Acenaphthene	ND		ug/L	47	12	4.7	365181	03/08/25	03/12/25	XLY
2,4-Dinitrophenol	ND		ug/L	230	16	4.7	365181	03/08/25	03/12/25	XLY
4-Nitrophenol	ND		ug/L	47	6.9	4.7	365181	03/08/25	03/12/25	XLY
Dibenzofuran	ND		ug/L	47	10	4.7	365181	03/08/25	03/12/25	XLY
2,4-Dinitrotoluene	ND		ug/L	47	15	4.7	365181	03/08/25	03/12/25	XLY
Diethylphthalate	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
Fluorene	ND		ug/L	47	10	4.7	365181	03/08/25	03/12/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
4-Nitroaniline	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	230	15	4.7	365181	03/08/25	03/12/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	47	18	4.7	365181	03/08/25	03/12/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Hexachlorobenzene	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Pentachlorophenol	ND		ug/L	120	12	4.7	365181	03/08/25	03/12/25	XLY
Phenanthrene	ND		ug/L	47	12	4.7	365181	03/08/25	03/12/25	XLY
Anthracene	ND		ug/L	47	10	4.7	365181	03/08/25	03/12/25	XLY
Di-n-butylphthalate	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Fluoranthene	ND		ug/L	47	12	4.7	365181	03/08/25	03/12/25	XLY
Benzidine	ND		ug/L	230	73	4.7	365181	03/08/25	03/12/25	XLY
Pyrene	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Butylbenzylphthalate	ND		ug/L	47	12	4.7	365181	03/08/25	03/12/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	120	14	4.7	365181	03/08/25	03/12/25	XLY
Benzo(a)anthracene	ND		ug/L	47	10	4.7	365181	03/08/25	03/12/25	XLY
Chrysene	ND		ug/L	47	12	4.7	365181	03/08/25	03/12/25	XLY
bis(2-Ethylhexyl)phthalate	ND		ug/L	47	13	4.7	365181	03/08/25	03/12/25	XLY
Di-n-octylphthalate	ND		ug/L	47	22	4.7	365181	03/08/25	03/12/25	XLY
Benzo(b)fluoranthene	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Benzo(k)fluoranthene	ND		ug/L	47	11	4.7	365181	03/08/25	03/12/25	XLY
Benzo(a)pyrene	ND		ug/L	47	10	4.7	365181	03/08/25	03/12/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	47	25	4.7	365181	03/08/25	03/12/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	47	35	4.7	365181	03/08/25	03/12/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	47	16	4.7	365181	03/08/25	03/12/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	41%		%REC	10-140		4.7	365181	03/08/25	03/12/25	XLY
Phenol-d6	30%		%REC	10-140		4.7	365181	03/08/25	03/12/25	XLY
2,4,6-Tribromophenol	91%		%REC	12-140		4.7	365181	03/08/25	03/12/25	XLY
Nitrobenzene-d5	69%		%REC	10-140		4.7	365181	03/08/25	03/12/25	XLY
2-Fluorobiphenyl	70%		%REC	11-140		4.7	365181	03/08/25	03/12/25	XLY
Terphenyl-d14	85%		%REC	20-140		4.7	365181	03/08/25	03/12/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.016**		mg/L	0.0050	0.0021	0.5	365712	03/12/25	03/12/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/13/25	03/13/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528317

528317-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**56**		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	365404	03/07/25 16:11	03/10/25 12:57	SMT
Method: SM 9221F										
Coliform, E. Coli	**220**		MPN/100ml	1.8		1	365404	03/07/25 16:11	03/10/25 12:57	SMT
Method: SM2130B										
Turbidity	**410**		NTU	0.10	0.009	1	365276	03/07/25 21:12	03/07/25 21:12	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**200**		mg/L	10		5	366324	03/18/25	03/18/25	WWC
Carbonate	ND		mg/L	10		5	366324	03/18/25	03/18/25	WWC
Hydroxide	ND		mg/L	10		5	366324	03/18/25	03/18/25	WWC
Alkalinity, Total as CaCO3	**160**		mg/L	10		5	366324	03/18/25	03/18/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**970**		umhos/cm	1.0		1	366104	03/16/25	03/16/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**650**		mg/L	20		2	365843	03/13/25	03/16/25	RDL
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**81**		mg/L	0.5		1	365772	03/13/25	03/15/25	DXA
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**58**		mg/L	3.0		1	365251	03/07/25 20:30	03/12/25 18:46	AAB
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**170**		mg/L	4.0	1.6	1	366146	03/17/25	03/17/25	DXA

* Value is outside QC limits
> Value exceeds indicated concentration
DO Diluted Out
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1239564	Batch: 366097
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239564 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	03/16/25	03/19/25

Type: Lab Control Sample	Lab ID: QC1239565	Batch: 366097
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239565 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.60	40.00	mg/L	92%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1239566	Batch: 366097
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239566 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.10	40.00	mg/L	93%		78-114	1	18

Type: Blank	Lab ID: QC1237412	Batch: 365439
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1237412 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/10/25	03/10/25
Iron	ND		mg/L	0.046	0.046	03/10/25	03/10/25
Magnesium	ND		mg/L	0.10	0.025	03/10/25	03/10/25
Potassium	ND		mg/L	0.50	0.40	03/10/25	03/12/25
Sodium	ND		mg/L	0.50	0.35	03/10/25	03/10/25

Type: Lab Control Sample	Lab ID: QC1237413	Batch: 365439
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1237413 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	20.16	20.40	mg/L	99%		85-115
Iron	0.3889	0.4000	mg/L	97%		85-115
Magnesium	20.60	20.40	mg/L	101%		85-115
Potassium	24.04	24.00	mg/L	100%		85-115
Sodium	19.26	20.40	mg/L	94%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1237414	Batch:	365439
Matrix (Source ID):	Water (528259-002)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1237414 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	28.60	9.106	20.40	mg/L	96%		75-125	1
Iron	6.509	6.278	0.4000	mg/L	58%	NM	75-125	1
Magnesium	23.32	3.093	20.40	mg/L	99%		75-125	1
Potassium	25.12	2.742	24.00	mg/L	93%		75-125	1
Sodium	21.31	2.430	20.40	mg/L	93%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1237415	Batch:	365439
Matrix (Source ID):	Water (528259-002)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1237415 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	29.39	9.106	20.40	mg/L	99%		75-125	3	20	1
Iron	6.148	6.278	0.4000	mg/L	-33%	NM	75-125	6	20	1
Magnesium	24.07	3.093	20.40	mg/L	103%		75-125	3	20	1
Potassium	25.87	2.742	24.00	mg/L	96%		75-125	3	20	1
Sodium	22.03	2.430	20.40	mg/L	96%		75-125	3	20	1

Type:	Serial Dilution	Lab ID:	QC1237477	Batch:	365439
Matrix (Source ID):	Water (528259-002)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1237477 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	9.115	9.106	mg/L				5
Iron	6.312	6.278	mg/L				5
Magnesium	3.128	3.093	mg/L				5
Potassium	ND	2.742	mg/L				5
Sodium	2.552	2.430	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1236919	Batch: 365317
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1236919 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.7	03/08/25	03/11/25
Tin	ND		ug/L	5.0	0.49	03/08/25	03/10/25
Antimony	ND		ug/L	2.0	0.31	03/08/25	03/11/25
Arsenic	ND		ug/L	2.0	0.22	03/08/25	03/10/25
Barium	ND		ug/L	5.0	0.46	03/08/25	03/10/25
Beryllium	ND		ug/L	1.0	0.21	03/08/25	03/11/25
Cadmium	ND		ug/L	1.0	0.26	03/08/25	03/10/25
Chromium	ND		ug/L	5.0	0.34	03/08/25	03/10/25
Cobalt	ND		ug/L	1.0	0.074	03/08/25	03/10/25
Copper	ND		ug/L	3.0	2.0	03/08/25	03/10/25
Lead	ND		ug/L	5.0	0.16	03/08/25	03/10/25
Manganese	ND		ug/L	10	4.3	03/08/25	03/10/25
Nickel	ND		ug/L	5.0	0.84	03/08/25	03/10/25
Selenium	ND		ug/L	2.0	1.6	03/08/25	03/10/25
Silver	ND		ug/L	5.0	0.63	03/08/25	03/11/25
Thallium	ND		ug/L	1.0	0.19	03/08/25	03/10/25
Vanadium	ND		ug/L	5.0	0.36	03/08/25	03/10/25
Zinc	ND		ug/L	10	7.4	03/08/25	03/10/25

Type: Lab Control Sample	Lab ID: QC1236920	Batch: 365317
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1236920 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	85.04	100.0	ug/L	85%		85-115
Tin	106.5	100.0	ug/L	106%		85-115
Antimony	115.6	100.0	ug/L	116%	*	85-115
Arsenic	103.2	100.0	ug/L	103%		85-115
Barium	101.6	100.0	ug/L	102%		85-115
Beryllium	99.90	100.0	ug/L	100%		85-115
Cadmium	102.8	100.0	ug/L	103%		85-115
Chromium	104.1	100.0	ug/L	104%		85-115
Cobalt	112.4	100.0	ug/L	112%		85-115
Copper	109.3	100.0	ug/L	109%		85-115
Lead	104.7	100.0	ug/L	105%		85-115
Manganese	105.0	100.0	ug/L	105%		85-115
Nickel	108.7	100.0	ug/L	109%		85-115
Selenium	101.5	100.0	ug/L	101%		85-115
Silver	52.27	50.00	ug/L	105%		85-115
Thallium	103.9	100.0	ug/L	104%		85-115
Vanadium	105.0	100.0	ug/L	105%		85-115
Zinc	105.3	100.0	ug/L	105%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1236921	Batch:	365317
Matrix (Source ID):	Water (528263-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1236921 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	687.1	462.0	100.0	ug/L	225%	NM	70-130	25
Tin	107.5	0.7791	100.0	ug/L	107%		70-130	1
Antimony	119.0	1.108	100.0	ug/L	118%		70-130	1
Arsenic	106.6	2.370	100.0	ug/L	104%		70-130	1
Barium	210.0	111.0	100.0	ug/L	99%		70-130	1
Beryllium	98.40	ND	100.0	ug/L	98%		70-130	1
Cadmium	101.6	ND	100.0	ug/L	102%		70-130	1
Chromium	101.6	0.9868	100.0	ug/L	101%		70-130	1
Cobalt	108.4	ND	100.0	ug/L	108%		70-130	1
Copper	158.5	57.97	100.0	ug/L	101%		70-130	1
Lead	109.1	3.566	100.0	ug/L	106%		70-130	1
Manganese	100.4	ND	100.0	ug/L	100%		70-130	1
Nickel	103.5	2.175	100.0	ug/L	101%		70-130	1
Selenium	112.9	16.90	100.0	ug/L	96%		70-130	1
Silver	51.00	ND	50.00	ug/L	102%		70-130	1
Thallium	106.3	ND	100.0	ug/L	106%		70-130	1
Vanadium	109.0	6.224	100.0	ug/L	103%		70-130	1
Zinc	170.5	70.49	100.0	ug/L	100%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1236922	Batch:	365317
Matrix (Source ID):	Water (528263-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1236922 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	691.6	462.0	100.0	ug/L	230%	NM	70-130	1	20	25
Tin	112.0	0.7791	100.0	ug/L	111%		70-130	4	20	1
Antimony	124.5	1.108	100.0	ug/L	123%		70-130	4	20	1
Arsenic	108.5	2.370	100.0	ug/L	106%		70-130	2	20	1
Barium	213.2	111.0	100.0	ug/L	102%		70-130	2	20	1
Beryllium	103.3	ND	100.0	ug/L	103%		70-130	5	20	1
Cadmium	102.0	ND	100.0	ug/L	102%		70-130	0	20	1
Chromium	107.7	0.9868	100.0	ug/L	107%		70-130	6	20	1
Cobalt	110.9	ND	100.0	ug/L	111%		70-130	2	20	1
Copper	168.0	57.97	100.0	ug/L	110%		70-130	6	20	1
Lead	112.8	3.566	100.0	ug/L	109%		70-130	3	20	1
Manganese	107.3	ND	100.0	ug/L	107%		70-130	7	20	1
Nickel	109.4	2.175	100.0	ug/L	107%		70-130	6	20	1
Selenium	115.5	16.90	100.0	ug/L	99%		70-130	2	20	1
Silver	52.80	ND	50.00	ug/L	106%		70-130	3	20	1
Thallium	110.0	ND	100.0	ug/L	110%		70-130	3	20	1
Vanadium	115.0	6.224	100.0	ug/L	109%		70-130	5	20	1
Zinc	174.7	70.49	100.0	ug/L	104%		70-130	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1236923	Batch:	365317
Matrix (Source ID):	Water (528264-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1236923 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	220.0	57.53	100.0	ug/L	162%	*	70-130	25
Tin	111.9	1.590	100.0	ug/L	110%		70-130	1
Antimony	123.6	1.797	100.0	ug/L	122%		70-130	1
Arsenic	106.4	1.070	100.0	ug/L	105%		70-130	1
Barium	109.1	3.449	100.0	ug/L	106%		70-130	1
Beryllium	101.8	ND	100.0	ug/L	102%		70-130	1
Cadmium	107.2	ND	100.0	ug/L	107%		70-130	1
Chromium	106.3	1.762	100.0	ug/L	105%		70-130	1
Cobalt	114.7	0.7840	100.0	ug/L	114%		70-130	1
Copper	120.3	10.74	100.0	ug/L	110%		70-130	1
Lead	106.6	ND	100.0	ug/L	107%		70-130	1
Manganese	3,340	3198	100.0	ug/L	141%	E,NM	70-130	1
Nickel	118.1	11.65	100.0	ug/L	106%		70-130	1
Selenium	100.1	ND	100.0	ug/L	100%		70-130	1
Silver	52.48	ND	50.00	ug/L	105%		70-130	1
Thallium	105.1	ND	100.0	ug/L	105%		70-130	1
Vanadium	106.3	ND	100.0	ug/L	106%		70-130	1
Zinc	108.4	ND	100.0	ug/L	108%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1236924	Batch:	365317
Matrix (Source ID):	Water (528264-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1236924 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	174.0	57.53	100.0	ug/L	116%		70-130	23*	20	25
Tin	112.5	1.590	100.0	ug/L	111%		70-130	1	20	1
Antimony	122.6	1.797	100.0	ug/L	121%		70-130	1	20	1
Arsenic	107.3	1.070	100.0	ug/L	106%		70-130	1	20	1
Barium	108.9	3.449	100.0	ug/L	105%		70-130	0	20	1
Beryllium	103.9	ND	100.0	ug/L	104%		70-130	2	20	1
Cadmium	105.0	ND	100.0	ug/L	105%		70-130	2	20	1
Chromium	104.8	1.762	100.0	ug/L	103%		70-130	1	20	1
Cobalt	111.4	0.7840	100.0	ug/L	111%		70-130	3	20	1
Copper	124.8	10.74	100.0	ug/L	114%		70-130	4	20	1
Lead	105.9	ND	100.0	ug/L	106%		70-130	1	20	1
Manganese	3,358	3198	100.0	ug/L	159%	E,NM	70-130		20	1
Nickel	119.2	11.65	100.0	ug/L	108%		70-130	1	20	1
Selenium	96.28	ND	100.0	ug/L	96%		70-130	4	20	1
Silver	51.94	ND	50.00	ug/L	104%		70-130	1	20	1
Thallium	106.0	ND	100.0	ug/L	106%		70-130	1	20	1
Vanadium	105.1	ND	100.0	ug/L	105%		70-130	1	20	1
Zinc	109.9	ND	100.0	ug/L	110%		70-130	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1238216	Batch: 365699
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1238216 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.032	03/12/25	03/12/25

Type: Lab Control Sample	Lab ID: QC1238217	Batch: 365699
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1238217 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.926	5.000	ug/L	99%		85-115

Type: Matrix Spike	Lab ID: QC1238218	Batch: 365699
Matrix (Source ID): Water (528395-002)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1238218 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.675	ND	5.000	ug/L	94%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1238219	Batch: 365699
Matrix (Source ID): Water (528395-002)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1238219 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.145	ND	5.000	ug/L	103%		75-125	10	20	1

Type: Blank	Lab ID: QC1236710	Batch: 365263
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1236710 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.072	03/07/25 16:00	03/07/25 18:01
Chloride	ND		mg/L	1.0	0.27	03/07/25 16:00	03/07/25 18:01
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/07/25 16:00	03/07/25 18:01
Bromide	ND		mg/L	0.30	0.060	03/07/25 16:00	03/07/25 18:01
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/07/25 16:00	03/07/25 18:01
Sulfate	ND		mg/L	1.0	0.25	03/07/25 16:00	03/07/25 18:01

Type: Lab Control Sample	Lab ID: QC1236711	Batch: 365263
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1236711 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.525	10.00	mg/L	95%		90-110
Chloride	47.10	50.00	mg/L	94%		90-110
Nitrogen, Nitrite	4.557	4.567	mg/L	100%		90-110
Bromide	14.87	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.460	4.518	mg/L	99%		90-110
Sulfate	25.55	25.00	mg/L	102%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1236712	Batch:	365263
Matrix (Source ID):	Water (528150-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1236712 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	12.50	ND	20.00	mg/L	62%	b,*	80-120	1
Chloride	186.8	94.86	100.0	mg/L	92%		80-120	1
Nitrogen, Nitrite	8.985	ND	9.134	mg/L	98%		80-120	1
Bromide	14.68	0.2620	15.00	mg/L	96%		80-120	1
Nitrogen, Nitrate	8.768	ND	9.036	mg/L	97%		80-120	1
Sulfate	68.13	22.38	50.00	mg/L	92%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1236713	Batch:	365263
Matrix (Source ID):	Water (528150-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1236713 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	12.60	ND	20.00	mg/L	63%	b,*	80-120	1	20	1
Chloride	187.2	94.86	100.0	mg/L	92%		80-120	0	20	1
Nitrogen, Nitrite	9.035	ND	9.134	mg/L	99%		80-120	1	20	1
Bromide	14.78	0.2620	15.00	mg/L	97%		80-120	1	20	1
Nitrogen, Nitrate	8.817	ND	9.036	mg/L	98%		80-120	1	20	1
Sulfate	68.44	22.38	50.00	mg/L	92%		80-120	0	20	1

Type:	Lab Control Sample	Lab ID:	QC1240918	Batch:	366508
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1240918 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.021	1.000	mg/L	102%		90-110

Type:	Blank	Lab ID:	QC1240919	Batch:	366508
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1240919 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/20/25	03/21/25

Type:	Matrix Spike	Lab ID:	QC1241137	Batch:	366508
Matrix (Source ID):	Filtrate (528851-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC1241137 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.017	ND	1.000	mg/L	102%		90-110	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1241138**	**Batch:**	**366508**
Matrix (Source ID):	**Filtrate (528851-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1241138 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.021	ND	1.000	mg/L	102%		90-110	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1241139**	**Batch:**	**366508**
Matrix (Source ID):	**Filtrate (528851-002)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1241139 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.013	0.9274	1.000	mg/L	109%	E	90-110	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1241140**	**Batch:**	**366508**
Matrix (Source ID):	**Filtrate (528851-002)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1241140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.002	0.9274	1.000	mg/L	107%	E	90-110		20	1

Type:	**Blank**	**Lab ID:**	**QC1240153**	**Batch:**	**366250**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1240153 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	03/18/25	03/18/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1240154**	**Batch:**	**366250**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1240154 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.07500	0.08000	mg/L	94%		80-120

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1240155**	**Batch:**	**366250**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1240155 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.07600	0.08000	mg/L	95%		80-120	1	20

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1236402	Batch: 365181
Matrix: Water		

QC1236402 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 625.1 Prep Method: EPA 3510C							
Cresol	ND		ug/L	10		03/07/25	03/07/25
Method: EPA 8270C Prep Method: EPA 3510C							
Carbazole	ND		ug/L	10	1.4	03/07/25	03/07/25
Pyridine	ND		ug/L	10	1.7	03/07/25	03/07/25
N-Nitrosodimethylamine	ND		ug/L	10	1.4	03/07/25	03/07/25
Phenol	ND		ug/L	10	0.77	03/07/25	03/07/25
Aniline	ND		ug/L	10	1.7	03/07/25	03/07/25
bis(2-Chloroethyl)ether	ND		ug/L	25	1.2	03/07/25	03/07/25
2-Chlorophenol	ND		ug/L	10	1.4	03/07/25	03/07/25
1,3-Dichlorobenzene	ND		ug/L	10	1.2	03/07/25	03/07/25
1,4-Dichlorobenzene	ND		ug/L	10	1.2	03/07/25	03/07/25
Benzyl alcohol	ND		ug/L	10	2.0	03/07/25	03/07/25
1,2-Dichlorobenzene	ND		ug/L	10	1.1	03/07/25	03/07/25
2-Methylphenol	ND		ug/L	10	1.3	03/07/25	03/07/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	1.3	03/07/25	03/07/25
3-,4-Methylphenol	ND		ug/L	10	1.3	03/07/25	03/07/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	1.5	03/07/25	03/07/25
Hexachloroethane	ND		ug/L	10	1.3	03/07/25	03/07/25
Nitrobenzene	ND		ug/L	25	1.2	03/07/25	03/07/25
Isophorone	ND		ug/L	10	2.2	03/07/25	03/07/25
2-Nitrophenol	ND		ug/L	10	2.2	03/07/25	03/07/25
2,4-Dimethylphenol	ND		ug/L	10	1.8	03/07/25	03/07/25
Benzoic acid	ND		ug/L	50	6.3	03/07/25	03/07/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	1.5	03/07/25	03/07/25
2,4-Dichlorophenol	ND		ug/L	10	2.2	03/07/25	03/07/25
1,2,4-Trichlorobenzene	ND		ug/L	10	1.1	03/07/25	03/07/25
Naphthalene	ND		ug/L	10	1.1	03/07/25	03/07/25
4-Chloroaniline	ND		ug/L	10	1.7	03/07/25	03/07/25
Hexachlorobutadiene	ND		ug/L	10	1.1	03/07/25	03/07/25
4-Chloro-3-methylphenol	ND		ug/L	10	2.0	03/07/25	03/07/25
2-Methylnaphthalene	ND		ug/L	10	0.87	03/07/25	03/07/25
Hexachlorocyclopentadiene	ND		ug/L	25	8.8	03/07/25	03/07/25
2,4,6-Trichlorophenol	ND		ug/L	10	2.4	03/07/25	03/07/25
2,4,5-Trichlorophenol	ND		ug/L	10	2.7	03/07/25	03/07/25
2-Chloronaphthalene	ND		ug/L	10	0.85	03/07/25	03/07/25
2-Nitroaniline	ND		ug/L	50	1.9	03/07/25	03/07/25
Dimethylphthalate	ND		ug/L	10	1.7	03/07/25	03/07/25
Acenaphthylene	ND		ug/L	10	1.1	03/07/25	03/07/25
2,6-Dinitrotoluene	ND		ug/L	10	1.6	03/07/25	03/07/25
3-Nitroaniline	ND		ug/L	10	2.3	03/07/25	03/07/25
Acenaphthene	ND		ug/L	10	0.86	03/07/25	03/07/25
2,4-Dinitrophenol	ND		ug/L	50	9.9	03/07/25	03/07/25
4-Nitrophenol	ND		ug/L	10	2.2	03/07/25	03/07/25
Dibenzofuran	ND		ug/L	10	0.88	03/07/25	03/07/25

ENTHALPY ANALYTICAL

Batch QC

QC1236402 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
2,4-Dinitrotoluene	ND		ug/L	10	1.5	03/07/25	03/07/25
Diethylphthalate	ND		ug/L	10	1.6	03/07/25	03/07/25
Fluorene	ND		ug/L	10	0.92	03/07/25	03/07/25
4-Chlorophenyl-phenylether	ND		ug/L	10	0.84	03/07/25	03/07/25
4-Nitroaniline	ND		ug/L	10	4.2	03/07/25	03/07/25
4,6-Dinitro-2-methylphenol	ND		ug/L	50	2.5	03/07/25	03/07/25
N-Nitrosodiphenylamine	ND		ug/L	10	2.4	03/07/25	03/07/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	1.1	03/07/25	03/07/25
4-Bromophenyl-phenylether	ND		ug/L	10	1.1	03/07/25	03/07/25
Hexachlorobenzene	ND		ug/L	10	1.3	03/07/25	03/07/25
Pentachlorophenol	ND		ug/L	25	10	03/07/25	03/07/25
Phenanthrene	ND		ug/L	10	0.99	03/07/25	03/07/25
Anthracene	ND		ug/L	10	1.1	03/07/25	03/07/25
Di-n-butylphthalate	ND		ug/L	10	1.9	03/07/25	03/07/25
Fluoranthene	ND		ug/L	10	1.2	03/07/25	03/07/25
Benzidine	ND		ug/L	50	7.6	03/07/25	03/07/25
Pyrene	ND		ug/L	10	1.2	03/07/25	03/07/25
Butylbenzylphthalate	ND		ug/L	10	2.6	03/07/25	03/07/25
3,3'-Dichlorobenzidine	ND		ug/L	25	7.2	03/07/25	03/07/25
Benzo(a)anthracene	ND		ug/L	10	1.3	03/07/25	03/07/25
Chrysene	ND		ug/L	10	1.4	03/07/25	03/07/25
bis(2-Ethylhexyl)phthalate	3.3	J	ug/L	10	2.8	03/07/25	03/07/25
Di-n-octylphthalate	ND		ug/L	10	5.9	03/07/25	03/07/25
Benzo(b)fluoranthene	ND		ug/L	10	1.9	03/07/25	03/07/25
Benzo(k)fluoranthene	ND		ug/L	10	2.6	03/07/25	03/07/25
Benzo(a)pyrene	ND		ug/L	10	1.5	03/07/25	03/07/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	5.2	03/07/25	03/07/25
Dibenz(a,h)anthracene	ND		ug/L	10	4.2	03/07/25	03/07/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.6	03/07/25	03/07/25
Surrogates				**Limits**			
2-Fluorophenol	40%		%REC	20-140		03/07/25	03/07/25
Phenol-d6	25%		%REC	20-140		03/07/25	03/07/25
2,4,6-Tribromophenol	51%		%REC	20-140		03/07/25	03/07/25
Nitrobenzene-d5	59%		%REC	20-140		03/07/25	03/07/25
2-Fluorobiphenyl	53%		%REC	20-140		03/07/25	03/07/25
Terphenyl-d14	66%		%REC	20-140		03/07/25	03/07/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1236403**	**Batch:**	**365181**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1236403 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	22.69	75.00	ug/L	30%		13-120
2-Chlorophenol	45.39	75.00	ug/L	61%		31-120
1,4-Dichlorobenzene	43.62	75.00	ug/L	58%		24-120
3-,4-Methylphenol	45.48	75.00	ug/L	61%		29-120
N-Nitroso-di-n-propylamine	57.22	75.00	ug/L	76%		32-120
2,4-Dimethylphenol	52.15	75.00	ug/L	70%		25-120
1,2,4-Trichlorobenzene	44.70	75.00	ug/L	60%		26-120
4-Chloro-3-methylphenol	55.85	75.00	ug/L	74%		39-120
2,4,5-Trichlorophenol	52.47	75.00	ug/L	70%		38-120
Acenaphthene	49.80	75.00	ug/L	66%		33-120
4-Nitrophenol	33.08	75.00	ug/L	44%		12-120
2,4-Dinitrotoluene	59.93	75.00	ug/L	80%		46-120
Pentachlorophenol	52.09	75.00	ug/L	69%		37-120
Pyrene	57.41	75.00	ug/L	77%		47-120
Chrysene	59.63	75.00	ug/L	80%		48-120
Benzo(b)fluoranthene	60.60	75.00	ug/L	81%		46-120
Surrogates						
2-Fluorophenol	16.86	40.00	ug/L	42%		20-140
Phenol-d6	11.19	40.00	ug/L	28%		20-140
2,4,6-Tribromophenol	28.91	40.00	ug/L	72%		20-140
Nitrobenzene-d5	28.08	40.00	ug/L	70%		20-140
2-Fluorobiphenyl	24.14	40.00	ug/L	60%		20-140
Terphenyl-d14	27.11	40.00	ug/L	68%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1236404**	**Batch:**	**365181**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1236404 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	22.36	75.00	ug/L	30%		13-120	1	62
2-Chlorophenol	44.40	75.00	ug/L	59%		31-120	2	62
1,4-Dichlorobenzene	42.56	75.00	ug/L	57%		24-120	2	64
3-,4-Methylphenol	44.09	75.00	ug/L	59%		29-120	3	62
N-Nitroso-di-n-propylamine	57.52	75.00	ug/L	77%		32-120	1	65
2,4-Dimethylphenol	52.23	75.00	ug/L	70%		25-120	0	64
1,2,4-Trichlorobenzene	44.35	75.00	ug/L	59%		26-120	1	63
4-Chloro-3-methylphenol	56.54	75.00	ug/L	75%		39-120	1	58
2,4,5-Trichlorophenol	53.77	75.00	ug/L	72%		38-120	2	59
Acenaphthene	51.96	75.00	ug/L	69%		33-120	4	52
4-Nitrophenol	33.32	75.00	ug/L	44%		12-120	1	63
2,4-Dinitrotoluene	62.77	75.00	ug/L	84%		46-120	5	41
Pentachlorophenol	53.49	75.00	ug/L	71%		37-120	3	42
Pyrene	60.74	75.00	ug/L	81%		47-120	6	43
Chrysene	61.64	75.00	ug/L	82%		48-120	3	46
Benzo(b)fluoranthene	64.83	75.00	ug/L	86%		46-120	7	47
Surrogates								
2-Fluorophenol	16.39	40.00	ug/L	41%		20-140		
Phenol-d6	11.28	40.00	ug/L	28%		20-140		
2,4,6-Tribromophenol	30.42	40.00	ug/L	76%		20-140		
Nitrobenzene-d5	28.13	40.00	ug/L	70%		20-140		
2-Fluorobiphenyl	24.83	40.00	ug/L	62%		20-140		
Terphenyl-d14	29.44	40.00	ug/L	74%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1238703	Batch: 365844
Matrix: Water		

QC1238703 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
beta-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
gamma-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
delta-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Heptachlor	ND		ug/L	0.05	0.01	03/13/25	03/14/25
Aldrin	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Endosulfan I	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Dieldrin	ND		ug/L	0.1	0.01	03/13/25	03/14/25
4,4'-DDE	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endrin	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endosulfan II	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	03/13/25	03/14/25
4,4'-DDD	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endrin aldehyde	ND		ug/L	0.1	0.03	03/13/25	03/14/25
Endrin ketone	ND		ug/L	0.1	0.03	03/13/25	03/14/25
4,4'-DDT	ND		ug/L	0.1	0.04	03/13/25	03/14/25
Methoxychlor	ND		ug/L	0.1	0.06	03/13/25	03/14/25
Toxaphene	ND		ug/L	2.0	0.8	03/13/25	03/14/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	03/13/25	03/14/25
Surrogates				**Limits**			
TCMX	80%		%REC	14-120		03/13/25	03/14/25
Decachlorobiphenyl	104%		%REC	20-120		03/13/25	03/14/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	03/13/25	03/14/25
Aroclor-1221	ND		ug/L	0.50	0.41	03/13/25	03/14/25
Aroclor-1232	ND		ug/L	0.50	0.36	03/13/25	03/14/25
Aroclor-1242	ND		ug/L	0.50	0.35	03/13/25	03/14/25
Aroclor-1248	ND		ug/L	0.50	0.34	03/13/25	03/14/25
Aroclor-1254	ND		ug/L	0.50	0.18	03/13/25	03/14/25
Aroclor-1260	ND		ug/L	0.50	0.45	03/13/25	03/14/25
Aroclor-1262	ND		ug/L	0.50	0.39	03/13/25	03/14/25
Aroclor-1268	ND		ug/L	0.50	0.25	03/13/25	03/14/25
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	107%		%REC	18-126		03/13/25	03/14/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238704**	**Batch:**	**365844**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1238704 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5588	0.5000	ug/L	112%		53-120
beta-BHC	0.5936	0.5000	ug/L	119%		59-120
gamma-BHC	0.5737	0.5000	ug/L	115%		54-120
delta-BHC	0.5962	0.5000	ug/L	119%		58-120
Heptachlor	0.5112	0.5000	ug/L	102%		49-120
Aldrin	0.4852	0.5000	ug/L	97%		47-120
Heptachlor epoxide	0.5215	0.5000	ug/L	104%		53-120
Endosulfan I	0.5354	0.5000	ug/L	107%		56-120
Dieldrin	0.5093	0.5000	ug/L	102%		55-120
4,4'-DDE	0.5578	0.5000	ug/L	112%		55-120
Endrin	0.5529	0.5000	ug/L	111%		57-120
Endosulfan II	0.5385	0.5000	ug/L	108%		58-120
Endosulfan sulfate	0.5516	0.5000	ug/L	110%		56-120
4,4'-DDD	0.5316	0.5000	ug/L	106%		53-120
Endrin aldehyde	0.5188	0.5000	ug/L	104%		45-120
Endrin ketone	0.5776	0.5000	ug/L	116%		61-120
4,4'-DDT	0.5493	0.5000	ug/L	110%		58-120
Methoxychlor	0.5991	0.5000	ug/L	120%		54-120
Surrogates						
TCMX	0.4216	0.5000	ug/L	84%		14-120
Decachlorobiphenyl	0.5196	0.5000	ug/L	104%		20-120

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1238705	Batch:	365844
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1238705 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.5092	0.5000	ug/L	102%		53-120	9	20
beta-BHC	0.5386	0.5000	ug/L	108%		59-120	10	20
gamma-BHC	0.5204	0.5000	ug/L	104%		54-120	10	20
delta-BHC	0.5447	0.5000	ug/L	109%		58-120	9	20
Heptachlor	0.4701	0.5000	ug/L	94%		49-120	8	20
Aldrin	0.4501	0.5000	ug/L	90%		47-120	8	20
Heptachlor epoxide	0.4779	0.5000	ug/L	96%		53-120	9	20
Endosulfan I	0.4905	0.5000	ug/L	98%		56-120	9	20
Dieldrin	0.4657	0.5000	ug/L	93%		55-120	9	20
4,4'-DDE	0.5109	0.5000	ug/L	102%		55-120	9	20
Endrin	0.5052	0.5000	ug/L	101%		57-120	9	20
Endosulfan II	0.5010	0.5000	ug/L	100%		58-120	7	20
Endosulfan sulfate	0.5076	0.5000	ug/L	102%		56-120	8	20
4,4'-DDD	0.4947	0.5000	ug/L	99%		53-120	7	20
Endrin aldehyde	0.4763	0.5000	ug/L	95%		45-120	9	20
Endrin ketone	0.5313	0.5000	ug/L	106%		61-120	8	20
4,4'-DDT	0.5099	0.5000	ug/L	102%		58-120	7	20
Methoxychlor	0.5594	0.5000	ug/L	112%		54-120	7	20
Surrogates								
TCMX	0.4005	0.5000	ug/L	80%		14-120		
Decachlorobiphenyl	0.4854	0.5000	ug/L	97%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1238710	Batch:	365844
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1238710 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	5.654	5.000	ug/L	113%		36-143
Aroclor-1260	6.222	5.000	ug/L	124%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.5832	0.5000	ug/L	117%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1238711	Batch:	365844
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1238711 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.826	5.000	ug/L	117%		36-143	3	39
Aroclor-1260	6.537	5.000	ug/L	131%		31-153	5	20
Surrogates								
Decachlorobiphenyl (PCB)	0.6115	0.5000	ug/L	122%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1237194**	**Batch:**	**365377**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1237194 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.7	03/10/25	03/10/25
2-Chloroethylvinylether	ND		ug/L	50	2.7	03/10/25	03/10/25
Chloroprene	ND	b	ug/L	200	0.6	03/10/25	03/10/25
3-Chloropropene	ND		ug/L	5.0	0.3	03/10/25	03/10/25
Ethyl methacrylate	ND		ug/L	50	1.3	03/10/25	03/10/25
Ethanol	ND		ug/L	500	250	03/10/25	03/10/25
2-Hexanone	ND		ug/L	5.0	0.8	03/10/25	03/10/25
Iodomethane	ND		ug/L	5.8	5.8	03/10/25	03/10/25
Isopropanol (IPA)	ND		ug/L	200	64	03/10/25	03/10/25
Methyl acrylonitrile	ND		ug/L	35	2.2	03/10/25	03/10/25
Vinyl Acetate	ND		ug/L	50	2.5	03/10/25	03/10/25
Acrolein	ND		ug/L	200	2.2	03/10/25	03/10/25
Acrylonitrile	ND		ug/L	10	0.7	03/10/25	03/10/25
Freon 12	ND		ug/L	5.0	0.3	03/10/25	03/10/25
Chloromethane	ND		ug/L	5.0	0.4	03/10/25	03/10/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Bromomethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Chloroethane	ND		ug/L	5.0	0.3	03/10/25	03/10/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Acetone	ND		ug/L	100	44	03/10/25	03/10/25
Freon 113	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Methylene Chloride	ND		ug/L	5.0	3.5	03/10/25	03/10/25
MTBE	ND		ug/L	5.0	0.1	03/10/25	03/10/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	03/10/25	03/10/25
2-Butanone	ND		ug/L	100	2.3	03/10/25	03/10/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Chloroform	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	03/10/25	03/10/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Benzene	ND		ug/L	1.0	0.1	03/10/25	03/10/25
Trichloroethene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Dibromomethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	03/10/25	03/10/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Toluene	ND		ug/L	5.0	0.3	03/10/25	03/10/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Tetrachloroethene	ND		ug/L	5.0	0.2	03/10/25	03/10/25

ENTHALPY ANALYTICAL

Batch QC

QC1237194 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Dibromochloromethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Ethylbenzene	ND		ug/L	5.0	0.07	03/10/25	03/10/25
m,p-Xylenes	ND		ug/L	10	0.1	03/10/25	03/10/25
o-Xylene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
Styrene	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Bromoform	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Propylbenzene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
Bromobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	03/10/25	03/10/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,4-Dichlorobenzene	0.2	J	ug/L	5.0	0.2	03/10/25	03/10/25
n-Butylbenzene	0.2	J	ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	03/10/25	03/10/25
1,2,4-Trichlorobenzene	0.3	J	ug/L	5.0	0.2	03/10/25	03/10/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
Naphthalene	0.6	J	ug/L	5.0	0.5	03/10/25	03/10/25
1,2,3-Trichlorobenzene	0.3	J	ug/L	5.0	0.3	03/10/25	03/10/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	03/10/25	03/10/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/10/25	03/10/25
Xylene (total)	ND		ug/L	5.0		03/10/25	03/10/25
Surrogates				**Limits**			
Dibromofluoromethane	105%		%REC	70-130		03/10/25	03/10/25
1,2-Dichloroethane-d4	101%		%REC	70-130		03/10/25	03/10/25
Toluene-d8	95%		%REC	70-130		03/10/25	03/10/25
Bromofluorobenzene	104%		%REC	70-130		03/10/25	03/10/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1237303	Batch:	365377
Matrix (Source ID):	Water (528004-004)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1237303 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	18.90	ND	20.00	ug/L	94%		70-130	1
MTBE	17.53	ND	20.00	ug/L	88%		75-130	1
Benzene	17.96	ND	20.00	ug/L	90%		70-130	1
Trichloroethene	19.83	ND	20.00	ug/L	99%		63-130	1
Toluene	18.45	ND	20.00	ug/L	92%		70-130	1
Chlorobenzene	19.49	ND	20.00	ug/L	97%		70-130	1
Surrogates								
Dibromofluoromethane	51.86		50.00	ug/L	104%		70-130	1
1,2-Dichloroethane-d4	47.93		50.00	ug/L	96%		70-130	1
Toluene-d8	48.90		50.00	ug/L	98%		70-130	1
Bromofluorobenzene	49.81		50.00	ug/L	100%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1237304	Batch:	365377
Matrix (Source ID):	Water (528004-004)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1237304 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	16.60	ND	20.00	ug/L	83%		70-130	13	30	1
MTBE	16.46	ND	20.00	ug/L	82%		75-130	6	30	1
Benzene	15.82	ND	20.00	ug/L	79%		70-130	13	30	1
Trichloroethene	16.58	ND	20.00	ug/L	83%		63-130	18	30	1
Toluene	15.78	ND	20.00	ug/L	79%		70-130	16	30	1
Chlorobenzene	16.76	ND	20.00	ug/L	84%		70-130	15	30	1
Surrogates										
Dibromofluoromethane	53.31		50.00	ug/L	107%		70-130			1
1,2-Dichloroethane-d4	50.05		50.00	ug/L	100%		70-130			1
Toluene-d8	47.92		50.00	ug/L	96%		70-130			1
Bromofluorobenzene	48.81		50.00	ug/L	98%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1237320	Batch:	365377
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1237320 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.00	50.00	ug/L	98%		70-135
MTBE	42.55	50.00	ug/L	85%		70-130
Benzene	45.94	50.00	ug/L	92%		70-130
Trichloroethene	49.68	50.00	ug/L	99%		70-130
Toluene	47.11	50.00	ug/L	94%		70-130
Chlorobenzene	48.40	50.00	ug/L	97%		70-130
Surrogates						
Dibromofluoromethane	51.31	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	50.86	50.00	ug/L	102%		70-130
Toluene-d8	48.22	50.00	ug/L	96%		70-130
Bromofluorobenzene	48.71	50.00	ug/L	97%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1237288	Batch: 365396
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1237288 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.28	50.00	ug/L	109%		70-135
MTBE	48.11	50.00	ug/L	96%		70-130
Benzene	51.07	50.00	ug/L	102%		70-130
Trichloroethene	49.66	50.00	ug/L	99%		70-130
Toluene	51.36	50.00	ug/L	103%		70-130
Chlorobenzene	50.33	50.00	ug/L	101%		70-130
Surrogates						
Dibromofluoromethane	51.56	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	50.23	50.00	ug/L	100%		70-130
Toluene-d8	49.97	50.00	ug/L	100%		70-130
Bromofluorobenzene	50.81	50.00	ug/L	102%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1237289	Batch: 365396
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1237289 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	55.05	50.00	ug/L	110%		70-135	1	30
MTBE	50.07	50.00	ug/L	100%		70-130	4	30
Benzene	52.73	50.00	ug/L	105%		70-130	3	30
Trichloroethene	50.81	50.00	ug/L	102%		70-130	2	30
Toluene	52.80	50.00	ug/L	106%		70-130	3	30
Chlorobenzene	52.05	50.00	ug/L	104%		70-130	3	30
Surrogates								
Dibromofluoromethane	51.97	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	49.88	50.00	ug/L	100%		70-130		
Toluene-d8	50.25	50.00	ug/L	101%		70-130		
Bromofluorobenzene	51.00	50.00	ug/L	102%		70-130		

Type: Matrix Spike	Lab ID: QC1237290	Batch: 365396
Matrix (Source ID): Water (527475-005)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1237290 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.45	ND	20.00	ug/L	102%		70-130	1
MTBE	20.99	ND	20.00	ug/L	105%		75-130	1
Benzene	20.47	ND	20.00	ug/L	102%		70-130	1
Trichloroethene	21.05	ND	20.00	ug/L	105%		63-130	1
Toluene	20.25	ND	20.00	ug/L	101%		70-130	1
Chlorobenzene	20.09	ND	20.00	ug/L	100%		70-130	1
Surrogates								
Dibromofluoromethane	50.75		50.00	ug/L	102%		70-130	1
1,2-Dichloroethane-d4	49.58		50.00	ug/L	99%		70-130	1
Toluene-d8	50.13		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	50.14		50.00	ug/L	100%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1237291**	**Batch:**	**365396**
Matrix (Source ID):	**Water (527475-005)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1237291 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	18.55	ND	20.00	ug/L	93%		70-130	10	30	1
MTBE	18.46	ND	20.00	ug/L	92%		75-130	13	30	1
Benzene	18.25	ND	20.00	ug/L	91%		70-130	11	30	1
Trichloroethene	18.24	ND	20.00	ug/L	91%		63-130	14	30	1
Toluene	18.06	ND	20.00	ug/L	90%		70-130	11	30	1
Chlorobenzene	18.00	ND	20.00	ug/L	90%		70-130	11	30	1
Surrogates										
Dibromofluoromethane	51.12		50.00	ug/L	102%		70-130			1
1,2-Dichloroethane-d4	50.02		50.00	ug/L	100%		70-130			1
Toluene-d8	49.95		50.00	ug/L	100%		70-130			1
Bromofluorobenzene	49.78		50.00	ug/L	100%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1237292**	**Batch:**	**365396**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1237292 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	1.2	03/10/25	03/10/25
Chloroprene	ND		ug/L	200	2.0	03/10/25	03/10/25
3-Chloropropene	ND		ug/L	5.0	1.3	03/10/25	03/10/25
Ethyl methacrylate	ND		ug/L	50	3.4	03/10/25	03/10/25
2-Hexanone	ND		ug/L	5.0	2.5	03/10/25	03/10/25
Iodomethane	ND		ug/L	5.0	1.3	03/10/25	03/10/25
Methyl acrylonitrile	ND		ug/L	35	4.9	03/10/25	03/10/25
Acrylonitrile	ND		ug/L	10	1.0	03/10/25	03/10/25
Freon 12	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Chloromethane	ND		ug/L	5.0	0.4	03/10/25	03/10/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Bromomethane	ND		ug/L	5.0	0.3	03/10/25	03/10/25
Chloroethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Acetone	ND		ug/L	100	16	03/10/25	03/10/25
Freon 113	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Methylene Chloride	ND		ug/L	5.0	1.4	03/10/25	03/10/25
MTBE	ND		ug/L	5.0	0.2	03/10/25	03/10/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
2-Butanone	ND		ug/L	100	3.1	03/10/25	03/10/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	03/10/25	03/10/25
Chloroform	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Bromochloromethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	03/10/25	03/10/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Benzene	ND		ug/L	1.0	0.09	03/10/25	03/10/25
Trichloroethene	ND		ug/L	5.0	0.2	03/10/25	03/10/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Dibromomethane	ND		ug/L	5.0	0.09	03/10/25	03/10/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	03/10/25	03/10/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Toluene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Tetrachloroethene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Chlorobenzene	ND		ug/L	5.0	0.09	03/10/25	03/10/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25

ENTHALPY ANALYTICAL

Batch QC

QC1237292 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
m,p-Xylenes	ND		ug/L	10	0.2	03/10/25	03/10/25
o-Xylene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Styrene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Bromoform	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Isopropylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/10/25	03/10/25
Propylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Bromobenzene	ND		ug/L	5.0	0.07	03/10/25	03/10/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	03/10/25	03/10/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	03/10/25	03/10/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
Naphthalene	0.2	J	ug/L	5.0	0.1	03/10/25	03/10/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	03/10/25	03/10/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	03/10/25	03/10/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	03/10/25	03/10/25
Xylene (total)	ND		ug/L	5.0		03/10/25	03/10/25
Surrogates				**Limits**			
Dibromofluoromethane	108%		%REC	70-130		03/10/25	03/10/25
1,2-Dichloroethane-d4	107%		%REC	70-130		03/10/25	03/10/25
Toluene-d8	99%		%REC	70-130		03/10/25	03/10/25
Bromofluorobenzene	96%		%REC	70-130		03/10/25	03/10/25

Type: Blank **Lab ID: QC1238224** **Batch: 365701**
Matrix: Water **Method: EPA 8270C-SIM** **Prep Method: EPA 3535**

QC1238224 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/12/25	03/13/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		03/12/25	03/13/25

Type: Lab Control Sample **Lab ID: QC1238225** **Batch: 365701**
Matrix: Water **Method: EPA 8270C-SIM** **Prep Method: EPA 3535**

QC1238225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.502	10.00	ug/L	85%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.996	10.00	ug/L	100%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238226**	**Batch:**	**365701**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3535**

QC1238226 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.346	10.00	ug/L	93%		80-120	9	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.09	10.00	ug/L	101%		80-120		

Type:	**Blank**	**Lab ID:**	**QC1238295**	**Batch:**	**365723**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1238295 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	03/12/25	03/13/25
Naphthalene	ND		ug/L	0.50	0.20	03/12/25	03/13/25
Acenaphthylene	ND		ug/L	0.50	0.21	03/12/25	03/13/25
Acenaphthene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Fluorene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Phenanthrene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
Anthracene	ND		ug/L	0.50	0.18	03/12/25	03/13/25
Fluoranthene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Pyrene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(a)anthracene	ND		ug/L	0.50	0.15	03/12/25	03/13/25
Chrysene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(a)pyrene	ND		ug/L	0.50	0.13	03/12/25	03/13/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.14	03/12/25	03/13/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.20	03/12/25	03/13/25
Surrogates				**Limits**			
Nitrobenzene-d5	80%		%REC	16-125		03/12/25	03/13/25
2-Fluorobiphenyl	79%		%REC	17-120		03/12/25	03/13/25
Terphenyl-d14	96%		%REC	39-123		03/12/25	03/13/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238296**	**Batch:**	**365723**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1238296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.179	4.000	ug/L	79%		23-120
2-Methylnaphthalene	3.094	4.000	ug/L	77%		33-120
Naphthalene	3.072	4.000	ug/L	77%		38-120
Acenaphthylene	3.059	4.000	ug/L	76%		37-120
Acenaphthene	2.980	4.000	ug/L	74%		39-120
Fluorene	3.136	4.000	ug/L	78%		43-120
Phenanthrene	3.113	4.000	ug/L	78%		42-120
Anthracene	3.196	4.000	ug/L	80%		42-120
Fluoranthene	3.230	4.000	ug/L	81%		48-120
Pyrene	3.235	4.000	ug/L	81%		44-120
Benzo(a)anthracene	3.419	4.000	ug/L	85%		51-126
Chrysene	3.393	4.000	ug/L	85%		47-120
Benzo(b)fluoranthene	3.207	4.000	ug/L	80%		44-127
Benzo(k)fluoranthene	3.253	4.000	ug/L	81%		43-127
Benzo(a)pyrene	3.181	4.000	ug/L	80%		29-124
Indeno(1,2,3-cd)pyrene	3.666	4.000	ug/L	92%		44-127
Dibenz(a,h)anthracene	3.744	4.000	ug/L	94%		55-120
Benzo(g,h,i)perylene	3.715	4.000	ug/L	93%		46-120
Surrogates						
Nitrobenzene-d5	3.001	4.000	ug/L	75%		16-125
2-Fluorobiphenyl	3.042	4.000	ug/L	76%		17-120
Terphenyl-d14	3.532	4.000	ug/L	88%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238297**	**Batch:**	**365723**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1238297 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.347	4.000	ug/L	84%		23-120	5	20
2-Methylnaphthalene	3.263	4.000	ug/L	82%		33-120	5	20
Naphthalene	3.236	4.000	ug/L	81%		38-120	5	20
Acenaphthylene	3.309	4.000	ug/L	83%		37-120	8	20
Acenaphthene	3.141	4.000	ug/L	79%		39-120	5	20
Fluorene	3.327	4.000	ug/L	83%		43-120	6	20
Phenanthrene	3.185	4.000	ug/L	80%		42-120	2	20
Anthracene	3.277	4.000	ug/L	82%		42-120	3	20
Fluoranthene	3.226	4.000	ug/L	81%		48-120	0	20
Pyrene	3.224	4.000	ug/L	81%		44-120	0	20
Benzo(a)anthracene	3.470	4.000	ug/L	87%		51-126	1	20
Chrysene	3.473	4.000	ug/L	87%		47-120	2	20
Benzo(b)fluoranthene	3.300	4.000	ug/L	83%		44-127	3	20
Benzo(k)fluoranthene	3.375	4.000	ug/L	84%		43-127	4	20
Benzo(a)pyrene	3.345	4.000	ug/L	84%		29-124	5	20
Indeno(1,2,3-cd)pyrene	3.619	4.000	ug/L	90%		44-127	1	20
Dibenz(a,h)anthracene	3.687	4.000	ug/L	92%		55-120	2	20
Benzo(g,h,i)perylene	3.675	4.000	ug/L	92%		46-120	1	20
Surrogates								
Nitrobenzene-d5	3.174	4.000	ug/L	79%		16-125		
2-Fluorobiphenyl	3.247	4.000	ug/L	81%		17-120		
Terphenyl-d14	3.526	4.000	ug/L	88%		39-123		

Type:	**Blank**	**Lab ID:**	**QC1238331**	**Batch:**	**365712**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1238331 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	03/12/25	03/12/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238332**	**Batch:**	**365712**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1238332 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1092	0.1000	mg/L	109%		76-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1238333**	**Batch:**	**365712**
Matrix (Source ID):	**Water (528317-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1238333 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1019	0.01614	0.1000	mg/L	86%		65-121	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1238334	Batch:	365712
Matrix (Source ID):	Water (528317-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1238334 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1038	0.01614	0.1000	mg/L	88%		65-121	2	30	0.5

Type:	Blank	Lab ID:	QC1238180	Batch:	365688
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238180 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/12/25	03/12/25

Type:	Lab Control Sample	Lab ID:	QC1238183	Batch:	365688
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238183 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1238184	Batch:	365688
Matrix (Source ID):	Water (528033-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238185	Batch:	365688
Matrix (Source ID):	Water (528033-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238185 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1239206	Batch:	366009
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1239206 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/14/25	03/15/25

Type:	Lab Control Sample	Lab ID:	QC1239207	Batch:	366009
Matrix:	Water	Method:	SM 5310B	Prep Method:	SM 5310B

QC1239207 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.16	25.00	mg/L	93%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1239208	Batch:	366009
Matrix (Source ID):	Water (528202-002)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1239208 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	4,069	4283	25.00	mg/L	-856%	NM	75-125	27

Type:	Matrix Spike Duplicate	Lab ID:	QC1239209	Batch:	366009
Matrix (Source ID):	Water (528202-002)	Method:	SM 5310B	Prep Method:	SM 5310B

QC1239209 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	4,016	4283	25.00	mg/L	-1068%	NM	75-125	1	25	27

Type:	Sample Duplicate	Lab ID:	QC1236782	Batch:	365276
Matrix (Source ID):	Water (528149-001)	Method:	SM2130B		

QC1236782 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	1.470	1.420	NTU		3	20	1

Type:	Sample Duplicate	Lab ID:	QC1236783	Batch:	365276
Matrix (Source ID):	Water (528317-001)	Method:	SM2130B		

QC1236783 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	371.0	406.0	NTU		9	20	1

Type:	Blank	Lab ID:	QC1240326	Batch:	366324
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1240326 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		03/18/25	03/18/25
Carbonate	ND		mg/L	2.0		03/18/25	03/18/25
Hydroxide	ND		mg/L	2.0		03/18/25	03/18/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/18/25	03/18/25

Type:	Lab Control Sample	Lab ID:	QC1240327	Batch:	366324
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1240327 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	919.8	1000	mg/L	92%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1240328	Batch:	366324
Matrix (Source ID):	Water (528783-001)	Method:	SM2320B	Prep Method:	METHOD

QC1240328 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	774.7	759.2	mg/L		2	20	10
Carbonate	ND	ND	mg/L			20	10
Hydroxide	ND	ND	mg/L			20	10
Alkalinity, Total as CaCO3	635.0	622.3	mg/L		2	20	10

Type:	Sample Duplicate	Lab ID:	QC1239580	Batch:	366104
Matrix (Source ID):	Water (528097-001)	Method:	SM2510B	Prep Method:	METHOD

QC1239580 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	1,544	1532	umhos/cm		1	20	1

Type:	Blank	Lab ID:	QC1238701	Batch:	365843
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1238701 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		03/13/25	03/16/25

Type:	Lab Control Sample	Lab ID:	QC1238702	Batch:	365843
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1238702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	616.0	614.0	mg/L	100%		90-110

Type:	Sample Duplicate	Lab ID:	QC1238709	Batch:	365843
Matrix (Source ID):	Water (528436-001)	Method:	SM2540C	Prep Method:	METHOD

QC1238709 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,896	1946	mg/L		3	5	2

Type:	Sample Duplicate	Lab ID:	QC1238712	Batch:	365843
Matrix (Source ID):	Water (528522-002)	Method:	SM2540C	Prep Method:	METHOD

QC1238712 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,008	996.0	mg/L		1	5	2

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Batch QC

Type: Blank **Lab ID: QC1238502** **Batch: 365772**
Matrix: Water **Method: SM2540D** **Prep Method: METHOD**

QC1238502 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		03/13/25	03/15/25

Type: Lab Control Sample **Lab ID: QC1238503** **Batch: 365772**
Matrix: Water **Method: SM2540D** **Prep Method: METHOD**

QC1238503 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	100.3	100.0	mg/L	100%		90-110

Type: Lab Control Sample Duplicate **Lab ID: QC1238504** **Batch: 365772**
Matrix: Water **Method: SM2540D** **Prep Method: METHOD**

QC1238504 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	103.9	100.0	mg/L	104%		90-110	4	5

Type: Sample Duplicate **Lab ID: QC1238505** **Batch: 365772**
Matrix (Source ID): Water (527810-007) **Method: SM2540D** **Prep Method: METHOD**

QC1238505 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	143.4	142.1	mg/L		1	5	1

Type: Sample Duplicate **Lab ID: QC1238506** **Batch: 365772**
Matrix (Source ID): Water (528426-001) **Method: SM2540D** **Prep Method: METHOD**

QC1238506 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	114.6	118.8	mg/L		4	5	1

Type: Blank **Lab ID: QC1236673** **Batch: 365251**
Matrix: Water **Method: SM5210B** **Prep Method: METHOD**

QC1236673 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/07/25 20:04	03/12/25 18:46

Type: Lab Control Sample **Lab ID: QC1236674** **Batch: 365251**
Matrix: Water **Method: SM5210B** **Prep Method: METHOD**

QC1236674 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	186.3	198.0	mg/L	94%		84.6-115.4

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1236675	Batch:	365251
Matrix (Source ID):	Water (528272-001)	Method:	SM5210B	Prep Method:	METHOD

QC1236675 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Biochemical Oxygen Demand	3,669	3856	mg/L		5	30	1

Type:	Blank	Lab ID:	QC1239743	Batch:	366146
Matrix:	Water	Method:	SM5220D	Prep Method:	METHOD

QC1239743 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	03/17/25	03/17/25

Type:	Lab Control Sample	Lab ID:	QC1239746	Batch:	366146
Matrix:	Water	Method:	SM5220D	Prep Method:	METHOD

QC1239746 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	1,068	1000	mg/L	107%		90-110

Type:	Matrix Spike	Lab ID:	QC1239748	Batch:	366146
Matrix (Source ID):	Water (528269-001)	Method:	SM5220D	Prep Method:	METHOD

QC1239748 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,308	244.0	1000	mg/L	106%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC1239749	Batch:	366146
Matrix (Source ID):	Water (528269-001)	Method:	SM5220D	Prep Method:	METHOD

QC1239749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,282	244.0	1000	mg/L	104%		75-125	2	20	2

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful
b See narrative

Laboratory Job Number 528317

Subcontracted Products

Pace Laboratories

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 20, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528317
Pace Project No.: 30763654

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 528317
Pace Project No.: 30763654

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30763654001	**South Basin Stage 1**	Water	03/07/25 10:00	03/11/25 09:23

REPORT OF LABORATORY ANALYSIS

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30763654

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503991

2503991

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 1	07-MAR-2025 10:00	528317-001	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	Tristelly Tristelly	Smarquez
	Date: 3/10/25	Date: 3-11-25 0923
	Date:	Date:
	Date:	Date:

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 2503991

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ GSO / GLS ☑ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐
(W) / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: N/A Thermometer ID: 274

Temperature: (A) 3.1 °C / (C) 3.1 °C

Date/Time 3-11-25

Analyst Init SMH 0923

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A									
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

CHK BY CLZ DISTRIBUTION SUB-OUT ☐

Comments:_____

Sample Numbering Completed By: SMH Date/Time: 3/11/25 0928

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 23]

Date of Report: 03/19/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project:	[none]
Pace Project:	Chiquita Canyon Landfill Stormwater
Pace Work Order:	2503991
Invoice ID:	B513843

Enclosed are the results of analyses for samples received by the laboratory on 3/ 11/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Chain of Custody and Cooler Receipt Form for 2503991 Page 1 of 2

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503991

Subcontract Laboratory: 2503991
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 1	07-MAR-2025 10:00	528317-001	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	Tisrelly Tisrelly	Imarquez
	Date: 3/10/25	Date: 3.11.25 0923
	Date:	Date:
	Date:	Date:

PACE ANALYTICAL	COOLER RECEIPT FORM	Page 1 Of 1
Submission #: 2503991		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☑ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify)_____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☑ NO ☐ W / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received		
☑ YES ☐ NO	Emissivity: 0.97 Container: N/A Thermometer ID: 274 Temperature: (A) 3.1 °C / (C) 3.1 °C	Date/Time 3.11.25 Analyst Init SMH 0923

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A									
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

CHK BY DISTRIBUTION
CL2 SUB-OUT

Comments:_____
Sample Numbering Completed By: SMH Date/Time: 3/11/25 0928
A = Actual / C = Corrected

Rev 23 05/20/22
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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2503991-01	**COC Number:**	---	**Receive Date:**	03/11/2025 09:23
	Project Number:	---	**Sampling Date:**	03/07/2025 10:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN STAGE 1	**Lab Matrix:**	Water
	Sampled By:	client	**Sample Type:**	Water

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2503991-01 | **Client Sample Name:** SOUTH BASIN STAGE 1, 3/7/2025 10:00:00AM, client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	74.8	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	03/12/25 17:35	03/19/25 06:26	HAH	GC-18	1	B208288	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B208288							
Azinphos methyl	B208288-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B208288-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B208288-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B208288-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B208288-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B208288-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B208288-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B208288-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B208288-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B208288-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B208288-BLK1	ND	ug/L	0.20	0.050		1
Naled	B208288-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B208288-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B208288-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B208288-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B208288-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B208288-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	**B208288-BLK1**	**117**	%	**50 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208288-BLK1	PB	EPA-8141A	03/12/25	03/19/25 03:59	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B208288											
Bolstar	B208288-BS1	LCS	2.3300	2.0000	ug/L	116		50 - 130			1
	B208288-BSD1	LCSD	2.4250	2.0000	ug/L	121	4.0	50 - 130	30		2
Chlorpyrifos	B208288-BS1	LCS	2.2800	2.0000	ug/L	114		60 - 120			1
	B208288-BSD1	LCSD	2.2600	2.0000	ug/L	113	0.9	60 - 120	30		2
Diazinon	B208288-BS1	LCS	2.2000	2.0000	ug/L	110		60 - 130			1
	B208288-BSD1	LCSD	2.1600	2.0000	ug/L	108	1.8	60 - 130	30		2
Methyl parathion	B208288-BS1	LCS	2.1900	2.0000	ug/L	110		60 - 120			1
	B208288-BSD1	LCSD	2.2350	2.0000	ug/L	112	2.0	60 - 120	30		2
Mevinphos	**B208288-BS1**	LCS	**2.9200**	**2.0000**	**ug/L**	**146**		**50 - 120**		**L01**	1
	B208288-BSD1	LCSD	**2.7300**	**2.0000**	**ug/L**	**136**	**6.7**	**50 - 120**	**30**	**L01**	2
Ronnel (Fenchlorphos)	B208288-BS1	LCS	2.3200	2.0000	ug/L	116		50 - 120			1
	B208288-BSD1	LCSD	2.0350	2.0000	ug/L	102	13.1	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	**B208288-BS1**	LCS	**2.4800**	**2.0000**	**ug/L**	**124**		**50 - 120**		**L01**	1
	B208288-BSD1	LCSD	**2.0350**	**2.0000**	**ug/L**	**102**	**19.7**	**50 - 120**	**30**		2
Triphenylphosphate (Surrogate)	B208288-BS1	LCS	2.9350	2.5000	ug/L	117		50 - 130			1
	B208288-BSD1	LCSD	2.8100	2.5000	ug/L	112	4.4	50 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208288-BS1	LCS	EPA-8141A	03/12/25	03/19/25 04:29	HAH	GC-18	1
2	B208288-BSD1	LCSD	EPA-8141A	03/12/25	03/19/25 04:58	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.

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Laboratory Job Number 528317

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2503675

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-528317

Project Location:
Project Received: 03/12/2025

Analytical Report reviewed & approved for release on 03/17/2025 by:

Jena Alfaro
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503675

Project: EO-528317

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503675

Project: EO-528317

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503675
Date Received:	03/12/2025 10:29	**Extraction Method:**	SW8151A
Date Prepared:	03/13/2025	**Analytical Method:**	SW8151A
Project:	EO-528317	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN STAGE 1	2503675-001A	Water	03/07/2025 10:00	GC15A 03122565.D	313185

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	03/13/2025 13:10
Bentazon	ND	4.1	10	10	03/13/2025 13:10
Chloramben	ND	3.1	10	10	03/13/2025 13:10
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	03/13/2025 13:10
2,4-DB	ND	2.1	10	10	03/13/2025 13:10
Dalapon	ND	3.9	10	10	03/13/2025 13:10
DCPA (mono & diacid)	ND	1.4	10	10	03/13/2025 13:10
Dicamba	ND	0.59	2.0	10	03/13/2025 13:10
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	03/13/2025 13:10
Dichloroprop	ND	1.8	10	10	03/13/2025 13:10
Dinoseb (DNBP)	ND	1.8	10	10	03/13/2025 13:10
MCPA	ND	14	20	10	03/13/2025 13:10
MCPP	ND	7.7	20	10	03/13/2025 13:10
4-Nitrophenol	ND	5.0	10	10	03/13/2025 13:10
Pentachlorophenol (PCP)	ND	0.55	2.0	10	03/13/2025 13:10
Picloram	ND	3.5	10	10	03/13/2025 13:10
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	03/13/2025 13:10
2,4,5-TP (Silvex)	ND	1.4	5.0	10	03/13/2025 13:10

Surrogates	REC (%)	Limits	
DCAA	86	60-140	03/13/2025 13:10

Analyst(s): DP Analytical Comments: a3

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503675
Date Received:	03/12/2025 10:29	**Extraction Method:**	RSK175
Date Prepared:	03/13/2025	**Analytical Method:**	RSK175
Project:	EO-528317	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN STAGE 1	2503675-001B	Water	03/07/2025 10:00	GC26 0313250910.D	313268

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2600**	100	100	2	03/13/2025 11:52

Analyst(s): PRE

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503675
Date Prepared:	03/13/2025	**BatchID:**	313185
Date Analyzed:	03/13/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528317	**Sample ID:**	MB/LCS/LCSD-313185

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.7			10	97	70-130

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503675
Date Prepared:	03/13/2025	**BatchID:**	313185
Date Analyzed:	03/13/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528317	**Sample ID:**	MB/LCS/LCSD-313185

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	8.5	8.8	10	85	88	70-130	3.98	30
Bentazon	9.9	9.3	10	99	93	70-130	6.00	30
Chloramben	9.0	9.2	10	90	92	70-130	2.16	30
2,4-D (Dichlorophenoxyacetic acid)	8.3	8.6	10	83	86	70-130	4.26	30
2,4-DB	8.3	9.3	10	83	93	70-130	11.8	30
Dalapon	8.5	9.0	10	85	90	70-130	6.24	30
DCPA (mono & diacid)	8.7	9.1	10	87	91	70-130	4.10	30
Dicamba	8.6	9.0	10	86	90	70-130	4.45	30
3,5-Dichlorobenzoic Acid	8.5	8.9	10	85	89	70-130	4.84	30
Dichloroprop	8.3	8.7	10	83	87	70-130	4.57	30
Dinoseb (DNBP)	8.8	9.0	10	88	90	70-130	2.14	30
MCPA	70	82	100	70	82	70-130	14.8	30
MCPP	73	83	100	73	83	70-130	13.2	30
4-Nitrophenol	11	11	10	111	114	70-130	2.52	30
Pentachlorophenol (PCP)	8.7	9.0	10	87	90	70-130	3.98	30
Picloram	8.8	9.1	10	88	91	70-130	2.99	30
2,4,5-T (Trichlorophenoxy acetic acid)	8.9	8.8	10	89	88	70-130	1.19	30
2,4,5-TP (Silvex)	8.7	8.8	10	87	88	70-130	1.78	30
Surrogate Recovery								
DCAA	9.6	10	10	96	102	70-130	5.44	30

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503675
Date Prepared:	03/13/2025	**BatchID:**	313268
Date Analyzed:	03/13/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528317	**Sample ID:**	MB/LCS/LCSD-313268

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	150	180	187.2	80	96	70-130	18.3	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503675 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-528317

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **03/12/2025**
Date Logged: **03/12/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503675-001	SOUTH BASIN STAGE 1	Water	3/7/2025 10:00	☐	A	A	B									

Test Legend:

1	8151_W	2	PRDisposal Fee	3	RSK175_CO2_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-528317 **Work Order:** 2503675
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/12/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN STAGE 1	Water	SW8151A (Chlorinated Herbicides)	1	1LA, Unpres	☐	☐	☐	3/7/2025 10:00	5 days	3/19/2025	Present	☐	☐
001B	SOUTH BASIN STAGE 1	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/7/2025 10:00	5 days	3/19/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503675

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619 & 243367
PO #: PO-079649

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 1	07-MAR-2025 10:00	528317-001	1	Water	EPA 8151A Chlorinated Herbicides	
			2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Tracy Tiss Kelly	
	Date: 3/10/25	Date:
		Emily Pe
	Date:	Date: 3/12/25 1029
	Date:	Date:

GIS: 562735422

0-5 cut
IRSO

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/12/2025 10:29
Project:	EO-528317	Date Logged:	3/12/2025
		Received by:	
WorkOrder №:	2503675 Matrix:	Logged by:	Emily Perez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.5°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Laboratory Job Number 528317

Subcontracted Products

Enthalpy - El Dorado Hills

March 27, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2503083

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 11, 2025 under your Project Name 'EO-528317'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2503083
Case Narrative

Sample Condition on Receipt:

One water sample was received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The sample was received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The sample was extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria was met for this sample.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2503083-01	SOUTH BASIN STAGE 1	07-Mar-25 10:00	11-Mar-25 11:18	Amber Glass WM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-528317
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C232-BLK1
QC Batch: B25C232 Date Extracted: 18-Mar-25
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		22-Mar-25 11:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	82.6	40 - 135		22-Mar-25 11:22	1
37Cl-2,3,7,8-TCDD	CRS	86.8	40 - 135		22-Mar-25 11:22	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: OPR **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-528317
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C232-BS1
QC Batch: B25C232 Date Extracted: 18-Mar-25 17:18
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	191	200	95.6	70-130		21-Mar-25 18:52	1
Labeled Standards	**Type**		**% Recovery**	**Limits**	**Qualifiers**	**Analyzed**	**Dilution**
13C-2,3,7,8-TCDD	IS		93.7	40-135		21-Mar-25 18:52	1
37Cl-2,3,7,8-TCDD	CRS		94.5	40-135		21-Mar-25 18:52	1

Sample ID: SOUTH BASIN STAGE 1 **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-528317
Matrix: Water
Date Collected: 07-Mar-25 10:00

Laboratory Data

Lab Sample: 2503083-01
QC Batch: B25C232
Sample Size: 1.01 L
Date Received: 11-Mar-25 11:18
Date Extracted: 18-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.77	4.97		21-Mar-25 21:54	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	78.2	40 - 135		21-Mar-25 21:54	1
37Cl-2,3,7,8-TCDD	CRS	93.2	40 - 135		21-Mar-25 21:54	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

2503083 1.5 C

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 1	07-MAR-2025 10:00	528317-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	Tiskelly Triskelly	Xitlaly Olivos
	Date: 3/10/25	Date: 03/11/25 11:18
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2503083

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2503083-01	A SOUTH BASIN STAGE 1 ☐ A B	528317-001	07-Mar-25 10:00 ☑	Amber Glass WM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments:
(A) underlined part of Sample ID missing
(B) NO Backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: ~~XXX~~ 03/11/25
WWS 03/11/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528548
Report Level : II
Report Date : 03/25/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	528548
Project No:	SW - IGP
Location:	Stormwater - IGP
Date Received:	03/11/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	528548-001	03/11/25 12:30	Water
SOUTH BASIN EAST INLET	528548-002	03/11/25 13:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528548 Project No: SW - IGP Location: Stormwater - IGP Date Received: 03/11/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 365560; affected data was qualified with "E".
- No other analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume. Due to high sediment content in the sample matrix of sample 528548-002, the liquid portion of the sample was transferred to a new container prior to analysis. The pH was greater than 2 at receipt and additional preservative was added to the sample at the lab to achieve a pH <2.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528548

Page: 3 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL COLIFORM, E. COLI	200.7 Fe	300.0 CHLORIDE	OIL AND GREASE	TSS
1	SOUTH BASIN WEST INLET	03/11/25	1230	W	5	6,2,4,1	X	X	X	X	X
2	SOUTH BASIN EAST INLET	03/11/25	1300	W	5	6,2,4,1	X	X	X	X	X
3											
4											
5											
6											
7											
8											
9											
10											

Analysis Request

Test Instructions / Commen

IGP

Email report to:

Login 528548

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Ian Carter II	Ian Carter II	CTEH	3/11/2025 5:30 pm
[1] Received By:		W/UPS	FEDEX	3-11-25 1735
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/11/25 WO# 528548 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 / 5.9 #2: 5.6 / 5.7 #3: 4.9 / 5.0 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

☒ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☒ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 3/11/25 **By (print)** ABD **(sign)** ADJ

Date Labeled 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528548

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528548
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 03/11/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 528548-001 | **Matrix:** Water | **Collected:** 03/11/25 12:30

528548-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.2	2.1	1	366139	03/17/25	03/19/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**0.66**		mg/L	0.041	0.041	1	365669	03/12/25	03/12/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**6.0**		mg/L	1.0	0.27	1	365560	03/11/25 14:45	03/12/25 06:01	AJL
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**1,600**		MPN/100ml	1.8		1	365662	03/11/25 18:02	03/13/25 16:36	BLV
Method: SM 9221F										
Coliform, E. Coli	**220**		MPN/100ml	1.8		1	365662	03/11/25 18:02	03/13/25 16:36	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**54**		mg/L	0.5		1	366038	03/15/25	03/15/25	DXA

Sample ID: SOUTH BASIN EAST INLET | **Lab ID:** 528548-002 | **Matrix:** Water | **Collected:** 03/11/25 13:00

528548-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**7.8**		mg/L	5.6	2.3	1.1	366139	03/17/25	03/19/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**280**		mg/L	4.1	4.1	100	365839	03/13/25	03/13/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**99**		mg/L	1.0	0.27	1	365560	03/11/25 14:45	03/12/25 06:24	AJL
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	365662	03/11/25 18:02	03/13/25 16:36	BLV
Method: SM 9221F										
Coliform, E. Coli	**1,600**		MPN/100ml	1.8		1	365662	03/11/25 18:02	03/13/25 16:36	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**56,000**		mg/L	0.5		1	366038	03/15/25	03/15/25	DXA

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528548

> Value exceeds indicated concentration
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1239712	Batch: 366139
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239712 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	03/17/25	03/19/25

Type: Lab Control Sample	Lab ID: QC1239713	Batch: 366139
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239713 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	34.70	40.00	mg/L	87%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1239714	Batch: 366139
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1239714 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.00	40.00	mg/L	90%		78-114	4	18

Type: Blank	Lab ID: QC1238137	Batch: 365669
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1238137 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	03/12/25	03/12/25

Type: Lab Control Sample	Lab ID: QC1238138	Batch: 365669
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1238138 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3997	0.4000	mg/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1238139	Batch: 365669
Matrix (Source ID): Water (528239-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1238139 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.4373	ND	0.4000	mg/L	109%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1238140	Batch: 365669
Matrix (Source ID): Water (528239-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1238140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.4420	ND	0.4000	mg/L	110%		75-125	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Serial Dilution	Lab ID:	QC1238281	Batch:	365669
Matrix (Source ID):	Water (528239-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238281 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	ND	ND	mg/L				5

Type:	Blank	Lab ID:	QC1238676	Batch:	365839
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.046	0.046	03/13/25	03/13/25

Type:	Matrix Spike	Lab ID:	QC1238679	Batch:	365839
Matrix (Source ID):	Water (528674-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	1.104	0.6363	0.4000	mg/L	117%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238680	Batch:	365839
Matrix (Source ID):	Water (528674-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238680 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	1.089	0.6363	0.4000	mg/L	113%		75-125	1	20	1

Type:	Matrix Spike	Lab ID:	QC1238681	Batch:	365839
Matrix (Source ID):	Water (528674-002)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238681 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.8470	0.4235	0.4000	mg/L	106%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238682	Batch:	365839
Matrix (Source ID):	Water (528674-002)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.8383	0.4235	0.4000	mg/L	104%		75-125	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1238683 **Batch:** 365839
Matrix: Water **Method:** EPA 200.7 **Prep Method:** EPA 3015A

QC1238683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.4073	0.4000	mg/L	102%		85-115

Type: Serial Dilution **Lab ID:** QC1238808 **Batch:** 365839
Matrix (Source ID): Water (528674-001) **Method:** EPA 200.7 **Prep Method:** EPA 3015A

QC1238808 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	0.6021	0.6363	mg/L				5

Type: Blank **Lab ID:** QC1237779 **Batch:** 365560
Matrix: Water **Method:** EPA 300.0 **Prep Method:** METHOD

QC1237779 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	03/11/25 14:45	03/11/25 14:56

Type: Lab Control Sample **Lab ID:** QC1237780 **Batch:** 365560
Matrix: Water **Method:** EPA 300.0 **Prep Method:** METHOD

QC1237780 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.67	50.00	mg/L	95%		90-110

Type: Matrix Spike **Lab ID:** QC1237781 **Batch:** 365560
Matrix (Source ID): Water (527827-001) **Method:** EPA 300.0 **Prep Method:** METHOD

QC1237781 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	232.4	144.8	100.0	mg/L	88%	E	80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1237782 **Batch:** 365560
Matrix (Source ID): Water (527827-001) **Method:** EPA 300.0 **Prep Method:** METHOD

QC1237782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	233.1	144.8	100.0	mg/L	88%	E	80-120		20	1

Type: Blank **Lab ID:** QC1239320 **Batch:** 366038
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC1239320 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		03/15/25	03/15/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1239321	**Batch:** 366038
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC1239321 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	100.7	100.0	mg/L	101%		90-110

Type: Lab Control Sample Duplicate	**Lab ID:** QC1239322	**Batch:** 366038
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC1239322 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	98.80	100.0	mg/L	99%		90-110	2	5

Type: Sample Duplicate	**Lab ID:** QC1239323	**Batch:** 366038
Matrix (Source ID): Water (528426-003)	**Method:** SM2540D	**Prep Method:** METHOD

QC1239323 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	163.1	160.7	mg/L		1	5	1

Type: Sample Duplicate	**Lab ID:** QC1239324	**Batch:** 366038
Matrix (Source ID): Water (528482-001)	**Method:** SM2540D	**Prep Method:** METHOD

QC1239324 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	286.0	294.2	mg/L		3	5	1

E Response exceeds instrument's linear range

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528547
Report Level : II
Report Date : 03/26/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - SW - SUBCHAPTER N

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	528547 SW - SUBCHAPTER N SW - SUBCHAPTER N 03/11/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	528547-001	03/11/25 12:30	Water
SOUTH BASIN EAST INLET	528547-002	03/11/25 13:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528547 Project No: SW - SUBCHAPTER N Location: SW - SUBCHAPTER N Date Received: 03/11/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.

Semivolatile Organics by GC/MS (EPA 625.1):

- SOUTH BASIN EAST INLET (lab # 528547-002) was diluted due to client history of high non-target or organic acid interference.
- No other analytical problems were encountered.

Metals (EPA 200.8):

- Chromium was detected between the MDL and the RL in the method blank for batch 365826; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528547

Page: 1 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	200.8 CHROMIUM, ZINC, ARSENIC	625	AMMONIA	BOD						
1	SOUTH BASIN WEST INLET	03/11/25	1230	W	4	6,2,4	X	X	X	X						
2	SOUTH BASIN EAST INLET	03/11/25	1300	W	4	6,2,4	X	X	X	X						
3																
4																
5																
6																
7																
8																
9																
10																

Analysis Request

Test Instructions / Commen

SUBCHAPTER N

Email report to:

IR11 5.8, 5.9
5.6, 5.7 4.9, 5.0

Login 528547

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Ian Carter II	Ian Carter II	CTEH	3/11/2025 5:30 pm
[1] Received By:		w/ CLG	FEDEX	3-11-25 1735
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/11/25 WO# 528547 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 / 5.9 #2: 5.6 / 5.7 #3: 4.9 / 5.0 #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	\		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	\		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			\

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 3/11/25 **By (print)** ABD **(sign)** Adv Jg

Date Labeled 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528547

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528547
Project No: SW - SUBCHAPTER N
Location: SW - SUBCHAPTER N
Date Received: 03/11/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 528547-001 | **Matrix:** Water | **Collected:** 03/11/25 12:30

528547-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**3.0**		ug/L	2.0	0.38	1	365638	03/12/25	03/12/25	KAM
Chromium	**11**		ug/L	5.0	0.24	1	365638	03/12/25	03/12/25	KAM
Zinc	**8.5**	J	ug/L	10	7.4	1	365638	03/12/25	03/12/25	KAM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.25**		mg/L	0.10	0.050	1	366920	03/25/25	03/26/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	**13**	J	ug/L	53	13	1.1	365636	03/12/25	03/12/25	XLY
Pyridine	ND		ug/L	11	3.8	1.1	365636	03/12/25	03/12/25	XLY
Phenol	**1.7**	J	ug/L	11	1.1	1.1	365636	03/12/25	03/12/25	XLY
2-Methylphenol	ND		ug/L	11	1.7	1.1	365636	03/12/25	03/12/25	XLY
3-,4-Methylphenol	ND		ug/L	11	1.9	1.1	365636	03/12/25	03/12/25	XLY
Naphthalene	ND		ug/L	11	1.5	1.1	365636	03/12/25	03/12/25	XLY
Cresol	ND		ug/L	11		1.1	365636	03/12/25	03/12/25	XLY
TIC:a-Terpineol	ND		ug/L			1.1	365636	03/12/25	03/12/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	22%		%REC	10-140		1.1	365636	03/12/25	03/12/25	XLY
Phenol-d6	17%		%REC	10-140		1.1	365636	03/12/25	03/12/25	XLY
2,4,6-Tribromophenol	70%		%REC	12-140		1.1	365636	03/12/25	03/12/25	XLY
Nitrobenzene-d5	39%		%REC	10-140		1.1	365636	03/12/25	03/12/25	XLY
2-Fluorobiphenyl	39%		%REC	11-140		1.1	365636	03/12/25	03/12/25	XLY
Terphenyl-d14	67%		%REC	20-140		1.1	365636	03/12/25	03/12/25	XLY
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**8.3**		mg/L	3.0		1	365707	03/12/25 17:05	03/17/25 15:46	AAB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528547

Sample ID:	Lab ID: 528547-002	Collected: 03/11/25 13:00
SOUTH BASIN EAST INLET	Matrix: Water	

528547-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**90**		ug/L	2.0	0.22	1	365826	03/13/25	03/13/25	KAM
Chromium	**620**		ug/L	100	6.8	20	365826	03/13/25	03/13/25	KAM
Zinc	**5,100**		ug/L	200	150	20	365826	03/13/25	03/13/25	KAM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.70**		mg/L	0.10	0.050	1	366920	03/25/25	03/26/25	JAK
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	ND		ug/L	540	130	11	365636	03/12/25	03/12/25	XLY
Pyridine	ND		ug/L	110	38	11	365636	03/12/25	03/12/25	XLY
Phenol	ND		ug/L	110	11	11	365636	03/12/25	03/12/25	XLY
2-Methylphenol	ND		ug/L	110	17	11	365636	03/12/25	03/12/25	XLY
3-,4-Methylphenol	ND		ug/L	110	19	11	365636	03/12/25	03/12/25	XLY
Naphthalene	ND		ug/L	110	15	11	365636	03/12/25	03/12/25	XLY
Cresol	ND		ug/L	110		11	365636	03/12/25	03/12/25	XLY
TIC:a-Terpineol	ND		ug/L			11	365636	03/12/25	03/12/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	36%		%REC	10-140		11	365636	03/12/25	03/12/25	XLY
Phenol-d6	29%		%REC	10-140		11	365636	03/12/25	03/12/25	XLY
2,4,6-Tribromophenol	77%		%REC	12-140		11	365636	03/12/25	03/12/25	XLY
Nitrobenzene-d5	64%		%REC	10-140		11	365636	03/12/25	03/12/25	XLY
2-Fluorobiphenyl	62%		%REC	11-140		11	365636	03/12/25	03/12/25	XLY
Terphenyl-d14	74%		%REC	20-140		11	365636	03/12/25	03/12/25	XLY
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**5.6**		mg/L	3.0		1	365707	03/12/25 17:05	03/17/25 15:46	AAB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1238054	Batch: 365638
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1238054 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.38	03/12/25	03/12/25
Chromium	ND		ug/L	5.0	0.24	03/12/25	03/12/25
Zinc	ND		ug/L	10	7.4	03/12/25	03/12/25

Type: Lab Control Sample	Lab ID: QC1238055	Batch: 365638
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1238055 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	99.69	100.0	ug/L	100%		85-115
Chromium	103.2	100.0	ug/L	103%		85-115
Zinc	101.4	100.0	ug/L	101%		85-115

Type: Matrix Spike	Lab ID: QC1238056	Batch: 365638
Matrix (Source ID): Water (528455-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1238056 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	103.8	6.591	100.0	ug/L	97%		70-130	25
Chromium	108.1	3.110	100.0	ug/L	105%		70-130	25
Zinc	107.2	21.77	100.0	ug/L		DO	70-130	25

Type: Matrix Spike Duplicate	Lab ID: QC1238057	Batch: 365638
Matrix (Source ID): Water (528455-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1238057 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	101.1	6.591	100.0	ug/L	95%		70-130	3	20	25
Chromium	110.7	3.110	100.0	ug/L	108%		70-130	2	20	25
Zinc	108.2	21.77	100.0	ug/L		DO	70-130		20	25

Type: Matrix Spike	Lab ID: QC1238059	Batch: 365638
Matrix (Source ID): Water (528455-002)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1238059 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	105.8	8.956	100.0	ug/L	97%		70-130	25
Chromium	111.6	6.218	100.0	ug/L	105%		70-130	25
Zinc	161.3	65.37	100.0	ug/L		DO	70-130	25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1238060	Batch:	365638
Matrix (Source ID):	Water (528455-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238060 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	103.8	8.956	100.0	ug/L	95%		70-130	2	20	25
Chromium	112.7	6.218	100.0	ug/L	107%		70-130	1	20	25
Zinc	153.7	65.37	100.0	ug/L		DO	70-130		20	25

Type:	Blank	Lab ID:	QC1238630	Batch:	365826
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238630 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.22	03/13/25	03/13/25
Chromium	0.40	J	ug/L	5.0	0.34	03/13/25	03/13/25
Zinc	ND		ug/L	10	7.4	03/13/25	03/13/25

Type:	Lab Control Sample	Lab ID:	QC1238631	Batch:	365826
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238631 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	95.62	100.0	ug/L	96%		85-115
Chromium	97.34	100.0	ug/L	97%		85-115
Zinc	97.99	100.0	ug/L	98%		85-115

Type:	Matrix Spike	Lab ID:	QC1238632	Batch:	365826
Matrix (Source ID):	Water (528670-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	100.4	0.8868	100.0	ug/L	100%		70-130	1
Chromium	124.8	26.12	100.0	ug/L	99%		70-130	1
Zinc	440.6	346.4	100.0	ug/L	94%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238633	Batch:	365826
Matrix (Source ID):	Water (528670-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238633 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	96.85	0.8868	100.0	ug/L	96%		70-130	4	20	1
Chromium	112.0	26.12	100.0	ug/L	86%		70-130	11	20	1
Zinc	424.3	346.4	100.0	ug/L	78%		70-130	4	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1238634**	**Batch:**	**365826**
Matrix (Source ID):	**Water (528670-002)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1238634 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	100.5	1.334	100.0	ug/L	99%		70-130	1
Chromium	121.0	23.83	100.0	ug/L	97%		70-130	1
Zinc	738.3	637.7	100.0	ug/L	101%	E,NM	70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1238635**	**Batch:**	**365826**
Matrix (Source ID):	**Water (528670-002)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1238635 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	101.8	1.334	100.0	ug/L	100%		70-130	1	20	1
Chromium	120.6	23.83	100.0	ug/L	97%		70-130	0	20	1
Zinc	727.7	637.7	100.0	ug/L	90%	E,NM	70-130		20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1242316**	**Batch:**	**366920**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1242316 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9637	1.000	mg/L	96%		90-110

Type:	**Blank**	**Lab ID:**	**QC1242317**	**Batch:**	**366920**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC1242317 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/25/25	03/26/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1242466**	**Batch:**	**366920**
Matrix (Source ID):	**Water (528483-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**SM 4500-NH3-G SD**

QC1242466 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.072	ND	1.000	mg/L	107%		90-110	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1242467**	**Batch:**	**366920**
Matrix (Source ID):	**Water (528483-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**SM 4500-NH3-G SD**

QC1242467 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.003	ND	1.000	mg/L	100%		90-110	7	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1238046**	**Batch: 365636**
Matrix: Water	**Method: EPA 625.1**	**Prep Method: EPA 3510C**

QC1238046 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	12	03/12/25	03/12/25
Pyridine	ND		ug/L	10	3.6	03/12/25	03/12/25
Phenol	ND		ug/L	10	1.0	03/12/25	03/12/25
2-Methylphenol	ND		ug/L	10	1.6	03/12/25	03/12/25
3-,4-Methylphenol	ND		ug/L	10	1.8	03/12/25	03/12/25
Naphthalene	ND		ug/L	10	1.4	03/12/25	03/12/25
Cresol	ND		ug/L	10		03/12/25	03/12/25
TIC:a-Terpineol	ND		ug/L			03/12/25	03/12/25
Surrogates				**Limits**			
2-Fluorophenol	38%		%REC	20-140		03/12/25	03/12/25
Phenol-d6	25%		%REC	20-140		03/12/25	03/12/25
2,4,6-Tribromophenol	66%		%REC	20-140		03/12/25	03/12/25
Nitrobenzene-d5	66%		%REC	20-140		03/12/25	03/12/25
2-Fluorobiphenyl	64%		%REC	20-140		03/12/25	03/12/25
Terphenyl-d14	68%		%REC	20-140		03/12/25	03/12/25

Type: Lab Control Sample	**Lab ID: QC1238048**	**Batch: 365636**
Matrix: Water	**Method: EPA 625.1**	**Prep Method: EPA 3510C**

QC1238048 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	24.63	75.00	ug/L	33%		13-120
3-,4-Methylphenol	48.91	75.00	ug/L	65%		29-120
Surrogates						
2-Fluorophenol	17.56	40.00	ug/L	44%		20-140
Phenol-d6	12.24	40.00	ug/L	31%		20-140
2,4,6-Tribromophenol	32.69	40.00	ug/L	82%		20-140
Nitrobenzene-d5	30.02	40.00	ug/L	75%		20-140
2-Fluorobiphenyl	29.04	40.00	ug/L	73%		20-140
Terphenyl-d14	32.40	40.00	ug/L	81%		20-140

Type: Lab Control Sample Duplicate	**Lab ID: QC1238049**	**Batch: 365636**
Matrix: Water	**Method: EPA 625.1**	**Prep Method: EPA 3510C**

QC1238049 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	25.09	75.00	ug/L	33%		13-120	2	62
3-,4-Methylphenol	49.06	75.00	ug/L	65%		29-120	0	62
Surrogates								
2-Fluorophenol	18.75	40.00	ug/L	47%		20-140		
Phenol-d6	12.88	40.00	ug/L	32%		20-140		
2,4,6-Tribromophenol	34.21	40.00	ug/L	86%		20-140		
Nitrobenzene-d5	31.53	40.00	ug/L	79%		20-140		
2-Fluorobiphenyl	30.61	40.00	ug/L	77%		20-140		
Terphenyl-d14	33.14	40.00	ug/L	83%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1238257**	**Batch: 365707**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC1238257 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/12/25 17:05	03/17/25 15:46

Type: Lab Control Sample	**Lab ID: QC1238258**	**Batch: 365707**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC1238258 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	186.5	198.0	mg/L	94%		84.6-115.4

Type: Sample Duplicate	**Lab ID: QC1238298**	**Batch: 365707**
Matrix (Source ID): Water (528428-003)	**Method: SM5210B**	**Prep Method: METHOD**

QC1238298 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Biochemical Oxygen Demand	2,986	3026	mg/L		1	30	1

DO Diluted Out
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528550
Report Level : II
Report Date : 03/25/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	528550 SW - MPARS SW - MPARS 03/11/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	528550-001	03/11/25 12:30	Water
SOUTH BASIN EAST INLET	528550-002	03/11/25 13:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528550 Project No: SW - MPARS Location: SW - MPARS Date Received: 03/11/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Naphthalene was detected between the MDL and the RL in the method blank for batch 365765; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 200.7 and EPA 200.8):

- Low recovery was observed for boron in the MSD for batch 365828; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for boron in the MS/MSD for batch 365828.
- Sodium was detected above the RL in the method blank for batch 365839; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528550

Page: 3 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

Analysis Request

Test Instructions / Commen

MPARS

Email report to:

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL METALS	8260 + APPENDIX II	300.0 NO3,BROMINE, FLURIDE, SO4	TOC	COD	8270 SIM 1, 4-DIONANE	SULFIDE	ALK, BICARB, TDS		
1	SOUTH BASIN WEST INLET	03/11/25	1230	W	12	6,2,4	X	X	X	X	X	X	X	X		
2	SOUTH BASIN EAST INLET	03/11/25	1300	W	12	6,2,4	X	X	X	X	X	X	X	X		
3																
4																
5																
6																
7																
8																
9																
10																

Login 528550

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Ian Carter II	Ian Carter II	CTEH	3/11/2025 5:30 pm
[1] Received By:	NRC	NRC	FEDEX	3-11-25 1730
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/11/25 WO# 528550 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 /5.9 #2: 5.6 /5.7 #3: 4.9 /5.0 #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?		\	
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	\		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?		\	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.13: -001 has headspace > 6mm in 1 of 3 vials.

4.1: Analyses requested on COC do not match the updated product template 'SW-MPars'. LR logged using the template which is correct per the PM.

☐ **No additional discrepancies**

Date Logged 3/11/25 **By (print)** ABD **(sign)** _____

Date Labeled 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528550

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528550
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 03/11/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 528550-001 | **Matrix:** Water | **Collected:** 03/11/25 12:30

528550-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**18**		mg/L	0.57	0.57	1	366622	03/21/25	03/21/25	CAP
Magnesium	**2.4**		mg/L	0.10	0.025	1	366622	03/21/25	03/21/25	CAP
Potassium	**3.1**		mg/L	0.50	0.40	1	366622	03/21/25	03/21/25	CAP
Sodium	**18**		mg/L	0.50	0.35	1	366622	03/21/25	03/21/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**48**		ug/L	10	5.7	1	365638	03/12/25	03/12/25	KAM
Manganese	**27**		ug/L	10	3.4	1	365638	03/12/25	03/12/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.052**	J	mg/L	0.20	0.034	1	365560	03/11/25 14:45	03/12/25 05:16	AJL
Nitrogen, Nitrite	**0.09**	J	mg/L	0.10	0.02	1	365560	03/11/25 14:45	03/12/25 05:16	AJL
Bromide	**0.060**	J	mg/L	0.30	0.060	1	365560	03/11/25 14:45	03/12/25 05:16	AJL
Nitrogen, Nitrate	**1.0**		mg/L	0.10	0.05	1	365560	03/11/25 14:45	03/12/25 05:16	AJL
Sulfate	**28**		mg/L	1.0	0.18	1	365560	03/11/25 14:45	03/12/25 05:16	AJL
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	**37**	J	ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	**20**	J	ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528550

528550-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	**0.5**	J	ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane-d4	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528550

528550-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**4.2**		ug/L	1.0	0.95	1	365701	03/12/25	03/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	365701	03/12/25	03/14/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/13/25	03/13/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**9.0**		mg/L	1.0	0.68	1	366009	03/14/25	03/16/25	TDD
Method: SM2130B										
Turbidity	**67**		NTU	0.10	0.009	1	365750	03/12/25 23:00	03/12/25 23:00	TDD
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**68**		mg/L	2.4		1	366064	03/15/25	03/15/25	WWC
Alkalinity, Total as CaCO3	**56**		mg/L	2.0		1	366064	03/15/25	03/15/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**200**		umhos/cm	1.0		1	366104	03/16/25	03/16/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**150**		mg/L	20		2	365843	03/13/25	03/16/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**49**		mg/L	4.0	1.6	1	366368	03/19/25	03/19/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528550

Sample ID:	Lab ID: 528550-002	Collected: 03/11/25 13:00
SOUTH BASIN EAST INLET	Matrix: Water	

528550-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**2,400**		mg/L	57	57	100	365839	03/13/25	03/14/25	CAP
Magnesium	**250**		mg/L	0.10	0.025	1	365839	03/13/25	03/13/25	CAP
Potassium	**100**		mg/L	0.50	0.40	1	365839	03/13/25	03/13/25	CAP
Sodium	**170**		mg/L	0.50	0.35	1	365839	03/13/25	03/13/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**1,200**		ug/L	100	57	10	365828	03/13/25	03/13/25	KAM
Manganese	**19,000**		ug/L	2,500	860	250	365828	03/13/25	03/13/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.24**		mg/L	0.20	0.034	1	365560	03/11/25 14:45	03/12/25 05:39	AJL
Nitrogen, Nitrite	**0.08**	J	mg/L	0.10	0.02	1	365560	03/11/25 14:45	03/12/25 05:39	AJL
Bromide	**0.36**		mg/L	0.30	0.060	1	365560	03/11/25 14:45	03/12/25 05:39	AJL
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.05	1	365560	03/11/25 14:45	03/12/25 05:39	AJL
Sulfate	**760**		mg/L	10	1.8	10	365560	03/11/25 14:45	03/12/25 11:07	AJL
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	365765	03/13/25	03/13/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	365765	03/13/25	03/13/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Acetone	**27**	J	ug/L	100	16	1	365765	03/13/25	03/13/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	365765	03/13/25	03/13/25	LYZ
MTBE	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
2-Butanone	**4.3**	J	ug/L	100	3.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	365765	03/13/25	03/13/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Benzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528550

528550-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	**2.4**	J	ug/L	5.0	2.3	1	365765	03/13/25	03/13/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	365765	03/13/25	03/13/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	365765	03/13/25	03/13/25	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Styrene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365765	03/13/25	03/13/25	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	365765	03/13/25	03/13/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	365765	03/13/25	03/13/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	365765	03/13/25	03/13/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	365765	03/13/25	03/13/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365765	03/13/25	03/13/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	365765	03/13/25	03/13/25	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
1,2-Dichloroethane-d4	99%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Toluene-d8	100%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	365765	03/13/25	03/13/25	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	365701	03/12/25	03/14/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	365701	03/12/25	03/14/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528550

528550-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	365688	03/13/25	03/13/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**42**		mg/L	2.0	1.4	2	366009	03/14/25	03/16/25	TDD
Method: SM2130B										
Turbidity	**950**		NTU	3.0	0.28	30	365750	03/12/25 23:00	03/12/25 23:00	TDD
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**88**		mg/L	4.0		1.7	366064	03/15/25	03/15/25	WWC
Alkalinity, Total as CaCO3	**72**		mg/L	3.3		1.7	366064	03/15/25	03/15/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**1,860**		umhos/cm	1.0		1	366104	03/16/25	03/16/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	365843	03/13/25	03/16/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**540**		mg/L	20	8.0	5	366368	03/19/25	03/19/25	DXA

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238676**	**Batch:**	**365839**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 3015A**

QC1238676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/13/25	03/13/25
Magnesium	ND		mg/L	0.10	0.025	03/13/25	03/13/25
Potassium	ND		mg/L	0.50	0.40	03/13/25	03/13/25
Sodium	1.1		mg/L	0.50	0.35	03/13/25	03/14/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1238679**	**Batch:**	**365839**
Matrix (Source ID):	**Water (528674-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 3015A**

QC1238679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	26.13	5.220	20.40	mg/L	103%		75-125	1
Magnesium	21.87	0.8738	20.40	mg/L	103%		75-125	1
Potassium	23.95	0.7980	24.00	mg/L	96%		75-125	1
Sodium	26.00	5.905	20.40	mg/L	99%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1238680**	**Batch:**	**365839**
Matrix (Source ID):	**Water (528674-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 3015A**

QC1238680 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	25.38	5.220	20.40	mg/L	99%		75-125	3	20	1
Magnesium	21.21	0.8738	20.40	mg/L	100%		75-125	3	20	1
Potassium	23.23	0.7980	24.00	mg/L	93%		75-125	3	20	1
Sodium	25.31	5.905	20.40	mg/L	95%		75-125	3	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1238681**	**Batch:**	**365839**
Matrix (Source ID):	**Water (528674-002)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 3015A**

QC1238681 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	28.36	8.914	20.40	mg/L	95%		75-125	1
Magnesium	21.70	1.774	20.40	mg/L	98%		75-125	1
Potassium	25.73	3.619	24.00	mg/L	92%		75-125	1
Sodium	24.63	5.316	20.40	mg/L	95%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1238682	Batch:	365839
Matrix (Source ID):	Water (528674-002)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	28.55	8.914	20.40	mg/L	96%		75-125	1	20	1
Magnesium	22.00	1.774	20.40	mg/L	99%		75-125	1	20	1
Potassium	26.03	3.619	24.00	mg/L	93%		75-125	1	20	1
Sodium	24.75	5.316	20.40	mg/L	95%		75-125	1	20	1

Type:	Lab Control Sample	Lab ID:	QC1238683	Batch:	365839
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	21.71	20.40	mg/L	106%		85-115
Magnesium	21.62	20.40	mg/L	106%		85-115
Potassium	23.66	24.00	mg/L	99%		85-115
Sodium	21.32	20.40	mg/L	104%		85-115

Type:	Serial Dilution	Lab ID:	QC1238808	Batch:	365839
Matrix (Source ID):	Water (528674-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1238808 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	4.858	5.220	mg/L				5
Magnesium	0.8018	0.8738	mg/L				5
Potassium	ND	0.7980	mg/L				5
Sodium	9.525	5.905	mg/L				5

Type:	Blank	Lab ID:	QC1241320	Batch:	366622
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1241320 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/21/25	03/21/25
Magnesium	ND		mg/L	0.10	0.025	03/21/25	03/21/25
Potassium	ND		mg/L	0.50	0.40	03/21/25	03/21/25
Sodium	ND		mg/L	0.50	0.35	03/21/25	03/21/25

Type:	Lab Control Sample	Lab ID:	QC1241321	Batch:	366622
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1241321 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	19.53	20.40	mg/L	96%		85-115
Magnesium	19.58	20.40	mg/L	96%		85-115
Potassium	22.36	24.00	mg/L	93%		85-115
Sodium	19.05	20.40	mg/L	93%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1241322	Batch:	366622
Matrix (Source ID):	Water (529348-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1241322 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	45.03	25.00	20.40	mg/L	98%		75-125	1
Magnesium	27.51	6.719	20.40	mg/L	102%		75-125	1
Potassium	31.86	7.589	24.00	mg/L	101%		75-125	1
Sodium	432.9	421.0	20.40	mg/L	58%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1241323	Batch:	366622
Matrix (Source ID):	Water (529348-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1241323 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	44.36	25.00	20.40	mg/L	95%		75-125	1	20	1
Magnesium	26.81	6.719	20.40	mg/L	99%		75-125	3	20	1
Potassium	31.08	7.589	24.00	mg/L	98%		75-125	2	20	1
Sodium	430.9	421.0	20.40	mg/L	48%	NM	75-125	0	20	1

Type:	Serial Dilution	Lab ID:	QC1241435	Batch:	366622
Matrix (Source ID):	Water (528550-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1241435 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	18.58	17.60	mg/L				5
Magnesium	2.623	2.383	mg/L				5
Potassium	3.704	3.086	mg/L				5
Sodium	19.81	17.77	mg/L				5

Type:	Blank	Lab ID:	QC1238054	Batch:	365638
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238054 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.7	03/12/25	03/12/25
Manganese	ND		ug/L	10	3.4	03/12/25	03/12/25

Type:	Lab Control Sample	Lab ID:	QC1238055	Batch:	365638
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238055 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	88.51	100.0	ug/L	89%		85-115
Manganese	104.4	100.0	ug/L	104%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1238056	Batch:	365638
Matrix (Source ID):	Water (528455-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238056 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	631.2	383.5	100.0	ug/L	248%	NM	70-130	25
Manganese	229.9	129.0	100.0	ug/L	101%		70-130	25

Type:	Matrix Spike Duplicate	Lab ID:	QC1238057	Batch:	365638
Matrix (Source ID):	Water (528455-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238057 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	519.9	383.5	100.0	ug/L	136%	NM	70-130	19	20	25
Manganese	231.9	129.0	100.0	ug/L	103%		70-130	1	20	25

Type:	Matrix Spike	Lab ID:	QC1238059	Batch:	365638
Matrix (Source ID):	Water (528455-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238059 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1,092	869.5	100.0	ug/L	222%	NM	70-130	25
Manganese	547.9	436.9	100.0	ug/L	111%	NM	70-130	25

Type:	Matrix Spike Duplicate	Lab ID:	QC1238060	Batch:	365638
Matrix (Source ID):	Water (528455-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238060 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1,132	869.5	100.0	ug/L	262%	NM	70-130	4	20	25
Manganese	550.8	436.9	100.0	ug/L	114%	NM	70-130	1	20	25

Type:	Blank	Lab ID:	QC1238639	Batch:	365828
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238639 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.7	03/13/25	03/13/25
Manganese	ND		ug/L	10	3.4	03/13/25	03/13/25

Type:	Lab Control Sample	Lab ID:	QC1238640	Batch:	365828
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238640 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	90.27	100.0	ug/L	90%		85-115
Manganese	96.72	100.0	ug/L	97%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1238641	Batch:	365828
Matrix (Source ID):	Water (528678-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238641 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	162.1	88.96	100.0	ug/L	73%		70-130	10
Manganese	100.3	ND	100.0	ug/L	100%		70-130	10

Type:	Matrix Spike Duplicate	Lab ID:	QC1238642	Batch:	365828
Matrix (Source ID):	Water (528678-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238642 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	130.1	88.96	100.0	ug/L	41%	*	70-130	22*	20	10
Manganese	105.0	ND	100.0	ug/L	105%		70-130	5	20	10

Type:	Blank	Lab ID:	QC1237779	Batch:	365560
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1237779 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	03/11/25 14:45	03/11/25 14:56
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/11/25 14:45	03/11/25 14:56
Bromide	ND		mg/L	0.30	0.060	03/11/25 14:45	03/11/25 14:56
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/11/25 14:45	03/11/25 14:56
Sulfate	ND		mg/L	1.0	0.18	03/11/25 14:45	03/11/25 14:56

Type:	Lab Control Sample	Lab ID:	QC1237780	Batch:	365560
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1237780 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.221	10.00	mg/L	92%		90-110
Nitrogen, Nitrite	4.584	4.567	mg/L	100%		90-110
Bromide	15.02	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.532	4.518	mg/L	100%		90-110
Sulfate	25.00	25.00	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1237781	Batch:	365560
Matrix (Source ID):	Water (527827-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1237781 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.27	0.07102	20.00	mg/L	96%		80-120	1
Nitrogen, Nitrite	9.140	ND	9.134	mg/L	100%		80-120	1
Bromide	15.45	0.5475	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.068	ND	9.036	mg/L	100%		80-120	1
Sulfate	51.13	1.383	50.00	mg/L	99%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1237782**	**Batch:**	**365560**
Matrix (Source ID):	**Water (527827-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1237782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.48	0.07102	20.00	mg/L	97%		80-120	1	20	1
Nitrogen, Nitrite	9.215	ND	9.134	mg/L	101%		80-120	1	20	1
Bromide	15.51	0.5475	15.00	mg/L	100%		80-120	0	20	1
Nitrogen, Nitrate	9.131	ND	9.036	mg/L	101%		80-120	1	20	1
Sulfate	51.51	1.383	50.00	mg/L	100%		80-120	1	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238470**	**Batch:**	**365765**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238470 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.45	50.00	ug/L	101%		70-135
MTBE	49.95	50.00	ug/L	100%		70-130
Benzene	49.45	50.00	ug/L	99%		70-130
Trichloroethene	49.54	50.00	ug/L	99%		70-130
Toluene	50.01	50.00	ug/L	100%		70-130
Chlorobenzene	51.67	50.00	ug/L	103%		70-130
Surrogates						
Dibromofluoromethane	53.83	50.00	ug/L	108%		70-130
1,2-Dichloroethane-d4	48.99	50.00	ug/L	98%		70-130
Toluene-d8	50.61	50.00	ug/L	101%		70-130
Bromofluorobenzene	52.07	50.00	ug/L	104%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238471**	**Batch:**	**365765**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238471 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.71	50.00	ug/L	99%		70-135	1	30
MTBE	50.14	50.00	ug/L	100%		70-130	0	30
Benzene	49.00	50.00	ug/L	98%		70-130	1	30
Trichloroethene	49.70	50.00	ug/L	99%		70-130	0	30
Toluene	50.07	50.00	ug/L	100%		70-130	0	30
Chlorobenzene	51.91	50.00	ug/L	104%		70-130	0	30
Surrogates								
Dibromofluoromethane	53.70	50.00	ug/L	107%		70-130		
1,2-Dichloroethane-d4	48.79	50.00	ug/L	98%		70-130		
Toluene-d8	50.94	50.00	ug/L	102%		70-130		
Bromofluorobenzene	51.88	50.00	ug/L	104%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238472**	**Batch:**	**365765**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238472 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	03/13/25	03/13/25
Freon 12	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Chloromethane	ND		ug/L	5.0	0.4	03/13/25	03/13/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Bromomethane	ND		ug/L	5.0	0.3	03/13/25	03/13/25
Chloroethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Acetone	ND		ug/L	100	16	03/13/25	03/13/25
Freon 113	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1-Dichloroethene	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Methylene Chloride	ND		ug/L	5.0	1.4	03/13/25	03/13/25
MTBE	ND		ug/L	5.0	0.2	03/13/25	03/13/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1-Dichloroethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
2-Butanone	ND		ug/L	100	3.1	03/13/25	03/13/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	03/13/25	03/13/25
Chloroform	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Bromochloromethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	03/13/25	03/13/25
1,1-Dichloropropene	ND		ug/L	5.0	0.09	03/13/25	03/13/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Benzene	ND		ug/L	5.0	0.09	03/13/25	03/13/25
Trichloroethene	ND		ug/L	5.0	0.2	03/13/25	03/13/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Dibromomethane	ND		ug/L	5.0	0.09	03/13/25	03/13/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	03/13/25	03/13/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Toluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Tetrachloroethene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	03/13/25	03/13/25
Chlorobenzene	ND		ug/L	5.0	0.09	03/13/25	03/13/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
m,p-Xylenes	ND		ug/L	10	0.2	03/13/25	03/13/25
o-Xylene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Styrene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Bromoform	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Isopropylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/13/25	03/13/25

ENTHALPY ANALYTICAL

Batch QC

QC1238472 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Bromobenzene	ND		ug/L	5.0	0.07	03/13/25	03/13/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
sec-Butylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	03/13/25	03/13/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	03/13/25	03/13/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
Naphthalene	0.3	J	ug/L	5.0	0.1	03/13/25	03/13/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	03/13/25	03/13/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	03/13/25	03/13/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	03/13/25	03/13/25
Xylene (total)	ND		ug/L	5.0		03/13/25	03/13/25
Surrogates				**Limits**			
Dibromofluoromethane	102%		%REC	70-130		03/13/25	03/13/25
1,2-Dichloroethane-d4	98%		%REC	70-130		03/13/25	03/13/25
Toluene-d8	100%		%REC	70-130		03/13/25	03/13/25
Bromofluorobenzene	99%		%REC	70-130		03/13/25	03/13/25

Type: Matrix Spike **Lab ID:** QC1238696 **Batch:** 365765
Matrix (Source ID): Water (528176-003) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1238696 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	233.3	ND	200.0	ug/L	117%		70-130	10
MTBE	219.1	ND	200.0	ug/L	110%		75-130	10
Benzene	233.9	ND	200.0	ug/L	117%		70-130	10
Trichloroethene	249.2	ND	200.0	ug/L	125%		63-130	10
Toluene	237.1	ND	200.0	ug/L	119%		70-130	10
Chlorobenzene	242.0	ND	200.0	ug/L	121%		70-130	10
Surrogates								
Dibromofluoromethane	526.1		500.0	ug/L	105%		70-130	10
1,2-Dichloroethane-d4	482.9		500.0	ug/L	97%		70-130	10
Toluene-d8	500.4		500.0	ug/L	100%		70-130	10
Bromofluorobenzene	512.3		500.0	ug/L	102%		70-130	10

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1238697	Batch:	365765
Matrix (Source ID):	Water (528176-003)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1238697 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	206.0	ND	200.0	ug/L	103%		70-130	12	30	10
MTBE	190.6	ND	200.0	ug/L	95%		75-130	14	30	10
Benzene	204.2	ND	200.0	ug/L	102%		70-130	14	30	10
Trichloroethene	220.7	ND	200.0	ug/L	110%		63-130	12	30	10
Toluene	209.6	ND	200.0	ug/L	105%		70-130	12	30	10
Chlorobenzene	212.4	ND	200.0	ug/L	106%		70-130	13	30	10
Surrogates										
Dibromofluoromethane	519.1		500.0	ug/L	104%		70-130			10
1,2-Dichloroethane-d4	479.9		500.0	ug/L	96%		70-130			10
Toluene-d8	504.9		500.0	ug/L	101%		70-130			10
Bromofluorobenzene	508.7		500.0	ug/L	102%		70-130			10

Type:	Blank	Lab ID:	QC1238224	Batch:	365701
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238224 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/12/25	03/13/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		03/12/25	03/13/25

Type:	Lab Control Sample	Lab ID:	QC1238225	Batch:	365701
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.502	10.00	ug/L	85%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.996	10.00	ug/L	100%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1238226	Batch:	365701
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1238226 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.346	10.00	ug/L	93%		80-120	9	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.09	10.00	ug/L	101%		80-120		

Type:	Blank	Lab ID:	QC1238180	Batch:	365688
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1238180 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/12/25	03/12/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1238183 **Batch:** 365688
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1238183 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1238184 **Batch:** 365688
Matrix (Source ID): Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1238184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1238185 **Batch:** 365688
Matrix (Source ID): Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1238185 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1239206 **Batch:** 366009
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239206 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/14/25	03/15/25

Type: Lab Control Sample **Lab ID:** QC1239207 **Batch:** 366009
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239207 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.16	25.00	mg/L	93%		85-115

Type: Matrix Spike **Lab ID:** QC1239208 **Batch:** 366009
Matrix (Source ID): Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239208 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	4,069	4283	25.00	mg/L	-856%	NM	75-125	27

Type: Matrix Spike Duplicate **Lab ID:** QC1239209 **Batch:** 366009
Matrix (Source ID): Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1239209 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	4,016	4283	25.00	mg/L	-1068%	NM	75-125	1	25	27

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1238429	Batch:	365750
Matrix (Source ID):	Water (528461-001)	Method:	SM2130B		

QC1238429 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	3.100	2.990	NTU		4	20	1

Type:	Sample Duplicate	Lab ID:	QC1238430	Batch:	365750
Matrix (Source ID):	Water (528550-002)	Method:	SM2130B		

QC1238430 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	930.0	951.0	NTU		2	20	30

Type:	Blank	Lab ID:	QC1239427	Batch:	366064
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1239427 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		03/15/25	03/15/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/15/25	03/15/25

Type:	Lab Control Sample	Lab ID:	QC1239428	Batch:	366064
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1239428 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,069	1000	mg/L	107%		90-110

Type:	Sample Duplicate	Lab ID:	QC1239430	Batch:	366064
Matrix (Source ID):	Water (528550-002)	Method:	SM2320B	Prep Method:	METHOD

QC1239430 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	91.65	88.24	mg/L		4	20	1.7
Alkalinity, Total as CaCO3	75.12	72.33	mg/L		4	20	1.7

Type:	Sample Duplicate	Lab ID:	QC1239580	Batch:	366104
Matrix (Source ID):	Water (528097-001)	Method:	SM2510B	Prep Method:	METHOD

QC1239580 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	1,544	1532	umhos/cm		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1238701	Batch: 365843
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1238701 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		03/13/25	03/16/25

Type: Lab Control Sample	Lab ID: QC1238702	Batch: 365843
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1238702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	616.0	614.0	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1238709	Batch: 365843
Matrix (Source ID): Water (528436-001)	Method: SM2540C	Prep Method: METHOD

QC1238709 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,896	1946	mg/L		3	5	2

Type: Sample Duplicate	Lab ID: QC1238712	Batch: 365843
Matrix (Source ID): Water (528522-002)	Method: SM2540C	Prep Method: METHOD

QC1238712 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,008	996.0	mg/L		1	5	2

Type: Blank	Lab ID: QC1240470	Batch: 366368
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1240470 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	03/19/25	03/19/25

Type: Lab Control Sample	Lab ID: QC1240471	Batch: 366368
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1240471 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	1,033	1000	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC1240472	Batch: 366368
Matrix (Source ID): Water (528111-001)	Method: SM5220D	Prep Method: METHOD

QC1240472 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,252	225.0	1000	mg/L	103%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1240473**	**Batch:**	**366368**
Matrix (Source ID):	**Water (528111-001)**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC1240473 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,260	225.0	1000	mg/L	104%		75-125	1	20	2

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 528550

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2503B21

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-528550

Project Location:
Project Received: 03/17/2025

Analytical Report reviewed & approved for release on 03/19/2025 by:

Ana Venegas
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B21
Project: EO-528550

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B21

Project: EO-528550

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	Aqueous sample that contains greater than ~1 vol. % sediment

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B21
Date Received:	03/17/2025 11:38	**Extraction Method:**	RSK175
Date Prepared:	03/18/2025	**Analytical Method:**	RSK175
Project:	EO-528550	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN WEST INLET	2503B21-001A	Water	03/11/2025 12:30	GC26 0318250905.D	313540

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**270**	50	50	1	03/18/2025 10:43

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN EAST INLET	2503B21-002A	Water	03/11/2025 13:00	GC26 0318250909.D	313540

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**770**	50	50	1	03/18/2025 11:32

Analyst(s): CLO

Analytical Comments: b1

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B21
Date Prepared:	03/18/2025	**BatchID:**	313540
Date Analyzed:	03/18/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528550	**Sample ID:**	MB/LCS/LCSD-313540

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	160	187.2	76	83	70-130	9.12	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503B21 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: diane.galvan@enthalpy.com; incomingrepo
PO: 079649
Project: EO-528550

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **2 days;**

Date Received: **03/17/2025**
Date Logged: **03/17/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503B21-001	SOUTH BASIN WEST INLET	Water	3/11/2025 12:30	☐	A	A										
2503B21-002	SOUTH BASIN EAST INLET	Water	3/11/2025 13:00	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-528550
Comments:

Work Order: 2503B21
QC Level: LEVEL 2
Date Logged: 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN WEST INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/11/2025 12:30	2 days	3/19/2025	Present	☐	☐
002A	SOUTH BASIN EAST INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/11/2025 13:00	2 days	3/19/2025	5%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503B21

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528550
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

HOLD TIME RUSH

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	11-MAR-2025 12:30	528550-001	2	Water	RSK-175 CO2	
SOUTH BASIN EAST INLET	11-MAR-2025 13:00	528550-002	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	D. Dinkgrave EA-ORA	
	Date: 3/12/25 1645	Date:
		Emily Le
	Date:	Date: 3/13/25 11:38
	Date:	Date:

GIS: 5e2751289

2.2 cool
IR30

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528550

Date and Time Received: 3/17/2025 11:38
Date Logged: 3/17/2025
Received by: Emily Perez
Logged by: Emily Perez

WorkOrder №: 2503B21 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.2°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	528551
Report Level	:	II
Report Date	:	04/01/2025
Revision	:	**1 (See narrative)**

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	528551
Project No:	SW - APPENDIX II
Location:	SW - APPENDIX II
Date Received:	03/11/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	528551-001	03/11/25 12:30	Water
SOUTH BASIN EAST INLET	528551-002	03/11/25 13:00	Water
TRIP BLANK	528551-003	03/11/25 13:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528551 Project No: SW - APPENDIX II Location: SW - APPENDIX II Date Received: 03/11/25

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.
- This report was revised on 04/01/25 to include subcontracted 8151 and 8290 data.

Volatile Organics by GC/MS (EPA 8260B):

- SOUTH BASIN EAST INLET (lab # 528551-002) had pH greater than 2.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- High recovery was observed for methoxychlor in the LCS for batch 365844; this analyte was not detected at or above the RL in the associated samples.
- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- High surrogate recovery was observed for decachlorobiphenyl (PCB) in SOUTH BASIN EAST INLET (lab # 528551-002); no target analytes were detected in the sample.
- SOUTH BASIN EAST INLET (lab # 528551-002) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 200.8 and EPA 245.1):

- High response was observed for antimony in the ICV analyzed 03/13/25 13:10; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- High response was observed for beryllium in the ICV analyzed 03/12/25 22:32; this analyte was not detected at or above the RL in the associated sample, and affected data was qualified with "b".
- High recovery was observed for antimony in the LCS for batch 365828; this analyte was not detected at or above the RL in the associated sample.
- Tin was detected between the MDL and the RL in the method blank for batch 365638; this analyte was not detected in the sample at or above the RL.
- No other analytical problems were encountered.

Total Phenolics (EPA 420.1):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):
No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528551

Page: 4 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	CTEH-CHIQUITA
Report To:	KATE LOGAN	LIMS Proj. Name:	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		Sampled By:	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL METALS	8260 + APPENDIX II	RSK 175 CO2, 8260 ACROLEIN/ACRYLONITRILE	8720C + APP II, 8081/8082,8141, 8151,8290,2,3	CYANIDE	PHENOLS	SULFIDE
1	SOUTH BASIN WEST INLET	03/11/25	1230	W	17	6,2,4	X	X	X	X	X	X	X
2	SOUTH BASIN EAST INLET	03/11/25	1300	W	17	6,2,4	X	X	X	X	X	X	X
3													
4													
5													
6													
7													
8													
9													
10													

Analysis Request

Test Instructions / Commen

APPENDIX II

Email report to:

Login 528551

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Ian Carter II	Ian Carter II	CTEH	3/11/2025 5:30pm
[1] Received By:		NCAG	CTEH	3-11-25 17:30
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 3/11/25 WO# 528551 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 / 5.9 #2: 5.6 / 5.7 #3: 4.9 / 5.0 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?		\	
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?		\	
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received? ABD 3/11/25	~~X~~	\	
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?		\	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.13: -002 has headspace >6mm in 2 of 3 vials.

4.1: COC requests RSK 175 CO_2 which is not included in product template 'SW - Appendix II (USE)'. Logged per template which is correct per the PM.

4.3: One 1L amber glass jar was received with broken cap, seal still intact. Cap replaced.

4.5: 1x 40mL vial with HCl for Trip Blank was received with samples and logged as sample -003.

☐ **No additional discrepancies**

Date Logged 3/11/25 **By (print)** ABD **(sign)** ABD

Date Labeled 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528551

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528551
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 03/11/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 528551-001 | **Matrix:** Water | **Collected:** 03/11/25 12:30

528551-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	**1.4**	B,J	ug/L	5.0	0.50	1	365638	03/12/25	03/12/25	KAM
Antimony	**1.2**	J	ug/L	2.0	0.31	1	365638	03/12/25	03/12/25	KAM
Arsenic	**3.0**		ug/L	2.0	0.38	1	365638	03/12/25	03/12/25	KAM
Barium	**20**		ug/L	5.0	0.46	1	365638	03/12/25	03/12/25	KAM
Beryllium	**0.094**	J,b	ug/L	1.0	0.076	1	365638	03/12/25	03/12/25	KAM
Cadmium	ND		ug/L	1.0	0.095	1	365638	03/12/25	03/12/25	KAM
Chromium	**10**		ug/L	5.0	0.24	1	365638	03/12/25	03/12/25	KAM
Cobalt	**0.95**	J	ug/L	1.0	0.074	1	365638	03/12/25	03/12/25	KAM
Copper	**4.7**		ug/L	3.0	2.0	1	365638	03/12/25	03/12/25	KAM
Lead	**1.3**	J	ug/L	5.0	0.18	1	365638	03/12/25	03/12/25	KAM
Nickel	**2.3**	J	ug/L	5.0	0.84	1	365638	03/12/25	03/12/25	KAM
Selenium	ND		ug/L	2.0	1.6	1	365638	03/12/25	03/12/25	KAM
Silver	ND		ug/L	5.0	0.63	1	365638	03/12/25	03/12/25	KAM
Thallium	ND		ug/L	1.0	0.20	1	365638	03/12/25	03/12/25	KAM
Vanadium	**7.6**		ug/L	5.0	0.26	1	365638	03/12/25	03/12/25	KAM
Zinc	**8.6**	J	ug/L	10	7.4	1	365638	03/12/25	03/12/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**0.040**	J	ug/L	0.40	0.032	1	365649	03/12/25	03/12/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.0060**	J	mg/L	0.010	0.0047	1	366646	03/21/25	03/21/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.02	0.97	365844	03/13/25	03/14/25	KLR
beta-BHC	ND		ug/L	0.05	0.03	0.97	365844	03/13/25	03/14/25	KLR
gamma-BHC	ND		ug/L	0.05	0.02	0.97	365844	03/13/25	03/14/25	KLR
delta-BHC	ND		ug/L	0.05	0.02	0.97	365844	03/13/25	03/14/25	KLR
Heptachlor	ND		ug/L	0.05	0.02	0.97	365844	03/13/25	03/14/25	KLR
Aldrin	ND		ug/L	0.05	0.03	0.97	365844	03/13/25	03/14/25	KLR
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.97	365844	03/13/25	03/14/25	KLR
Endosulfan I	ND		ug/L	0.05	0.03	0.97	365844	03/13/25	03/14/25	KLR
Dieldrin	ND		ug/L	0.1	0.03	0.97	365844	03/13/25	03/14/25	KLR
4,4'-DDE	ND		ug/L	0.1	0.03	0.97	365844	03/13/25	03/14/25	KLR
Endrin	ND		ug/L	0.1	0.03	0.97	365844	03/13/25	03/14/25	KLR
Endosulfan II	ND		ug/L	0.1	0.03	0.97	365844	03/13/25	03/14/25	KLR
Endosulfan sulfate	ND		ug/L	0.1	0.03	0.97	365844	03/13/25	03/14/25	KLR
4,4'-DDD	ND		ug/L	0.1	0.02	0.97	365844	03/13/25	03/14/25	KLR
Endrin aldehyde	ND		ug/L	0.1	0.04	0.97	365844	03/13/25	03/14/25	KLR
Endrin ketone	ND		ug/L	0.1	0.03	0.97	365844	03/13/25	03/14/25	KLR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/L	0.1	0.04	0.97	365844	03/13/25	03/14/25	KLR
Methoxychlor	ND		ug/L	0.1	0.05	0.97	365844	03/13/25	03/14/25	KLR
Toxaphene	ND		ug/L	1.9	0.4	0.97	365844	03/13/25	03/14/25	KLR
Chlordane (Technical)	ND		ug/L	1.0	0.2	0.97	365844	03/13/25	03/14/25	KLR
Surrogates				**Limits**						
TCMX	83%		%REC	14-120		0.97	365844	03/13/25	03/14/25	KLR
Decachlorobiphenyl	95%		%REC	20-120		0.97	365844	03/13/25	03/14/25	KLR
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.49	0.36	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1221	ND		ug/L	0.49	0.40	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1232	ND		ug/L	0.49	0.35	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1242	ND		ug/L	0.49	0.34	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1248	ND		ug/L	0.49	0.33	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1254	ND		ug/L	0.49	0.18	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1260	ND		ug/L	0.49	0.44	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1262	ND		ug/L	0.49	0.38	0.97	365844	03/13/25	03/14/25	KLR
Aroclor-1268	ND		ug/L	0.49	0.24	0.97	365844	03/13/25	03/14/25	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	90%		%REC	18-126		0.97	365844	03/13/25	03/14/25	KLR
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	365630	03/12/25	03/12/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	365630	03/12/25	03/12/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	365630	03/12/25	03/12/25	ZST
Ethanol	ND		ug/L	500	320	1	365630	03/12/25	03/12/25	ZST
2-Hexanone	ND		ug/L	5.0	0.7	1	365630	03/12/25	03/12/25	ZST
Isopropanol (IPA)	**82**	J	ug/L	200	73	1	365630	03/12/25	03/12/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	365630	03/12/25	03/12/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	365630	03/12/25	03/12/25	ZST
Acrolein	ND		ug/L	200	2.2	1	365630	03/12/25	03/12/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	365630	03/12/25	03/12/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Iodomethane	ND		ug/L	7.6		1	365630	03/12/25	03/12/25	ZST
Acetone	**30**	J	ug/L	100	21	1	365630	03/12/25	03/12/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Methylene Chloride	ND		ug/L	10	2.4	1	365630	03/12/25	03/12/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
2-Butanone	**16**		ug/L	10	1.7	1	365630	03/12/25	03/12/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	365630	03/12/25	03/12/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	1.0	1	365630	03/12/25	03/12/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	365630	03/12/25	03/12/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	365630	03/12/25	03/12/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
para-Isopropyl Toluene	**0.3**	J	ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Xylene (total)	ND		ug/L	5.0		1	365630	03/12/25	03/12/25	ZST
TIC:1-Butanol	**1.9**	J	ug/L			1	365630	03/12/25	03/12/25	ZST
TIC:1-Hexanol, 2-ethyl-	**3.0**	J	ug/L			1	365630	03/12/25	03/12/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Cyclopentanone, 2-ethyl-	**1.2**	J	ug/L			1	365630	03/12/25	03/12/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST
Toluene-d8	97%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.51	0.19	1	365723	03/12/25	03/13/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.51	0.24	1	365723	03/12/25	03/13/25	ZFA
Naphthalene	ND		ug/L	0.51	0.21	1	365723	03/12/25	03/13/25	ZFA
Acenaphthylene	ND		ug/L	0.51	0.21	1	365723	03/12/25	03/13/25	ZFA
Acenaphthene	ND		ug/L	0.51	0.18	1	365723	03/12/25	03/13/25	ZFA
Fluorene	ND		ug/L	0.51	0.17	1	365723	03/12/25	03/13/25	ZFA
Phenanthrene	ND		ug/L	0.51	0.19	1	365723	03/12/25	03/13/25	ZFA
Anthracene	ND		ug/L	0.51	0.18	1	365723	03/12/25	03/13/25	ZFA
Fluoranthene	ND		ug/L	0.51	0.18	1	365723	03/12/25	03/13/25	ZFA
Pyrene	ND		ug/L	0.51	0.17	1	365723	03/12/25	03/13/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.51	0.15	1	365723	03/12/25	03/13/25	ZFA
Chrysene	ND		ug/L	0.51	0.16	1	365723	03/12/25	03/13/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.51	0.16	1	365723	03/12/25	03/13/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	0.51	0.17	1	365723	03/12/25	03/13/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.51	0.13	1	365723	03/12/25	03/13/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.51	0.14	1	365723	03/12/25	03/13/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.51	0.19	1	365723	03/12/25	03/13/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.51	0.20	1	365723	03/12/25	03/13/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	52%		%REC	16-125		1	365723	03/12/25	03/13/25	ZFA
2-Fluorobiphenyl	32%		%REC	17-120		1	365723	03/12/25	03/13/25	ZFA
Terphenyl-d14	72%		%REC	39-123		1	365723	03/12/25	03/13/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	10	0.91	1	365636	03/12/25	03/12/25	XLY
Pyridine	ND		ug/L	10	3.6	1	365636	03/12/25	03/12/25	XLY
N-Nitrosodimethylamine	ND		ug/L	10	1.2	1	365636	03/12/25	03/12/25	XLY
Phenol	**1.9**	J	ug/L	10	1.0	1	365636	03/12/25	03/12/25	XLY
Aniline	ND		ug/L	10	1.8	1	365636	03/12/25	03/12/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	25	1.6	1	365636	03/12/25	03/12/25	XLY
2-Chlorophenol	ND		ug/L	10	1.5	1	365636	03/12/25	03/12/25	XLY
1,3-Dichlorobenzene	ND		ug/L	10	1.5	1	365636	03/12/25	03/12/25	XLY
1,4-Dichlorobenzene	ND		ug/L	10	1.6	1	365636	03/12/25	03/12/25	XLY
Benzyl alcohol	ND		ug/L	11	11	1	365636	03/12/25	03/12/25	XLY
1,2-Dichlorobenzene	ND		ug/L	10	1.4	1	365636	03/12/25	03/12/25	XLY
2-Methylphenol	ND		ug/L	10	1.6	1	365636	03/12/25	03/12/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	10	1.4	1	365636	03/12/25	03/12/25	XLY
3-,4-Methylphenol	ND		ug/L	10	1.8	1	365636	03/12/25	03/12/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	10	1.7	1	365636	03/12/25	03/12/25	XLY
Hexachloroethane	ND		ug/L	10	2.2	1	365636	03/12/25	03/12/25	XLY
Nitrobenzene	ND		ug/L	25	12	1	365636	03/12/25	03/12/25	XLY
Isophorone	ND		ug/L	10	1.7	1	365636	03/12/25	03/12/25	XLY
2-Nitrophenol	ND		ug/L	10	7.1	1	365636	03/12/25	03/12/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
2,4-Dimethylphenol	ND		ug/L	10	5.6	1	365636	03/12/25	03/12/25	XLY
Benzoic acid	**13**	J	ug/L	50	12	1	365636	03/12/25	03/12/25	XLY
bis(2-Chloroethoxy)methane	ND		ug/L	10	1.7	1	365636	03/12/25	03/12/25	XLY
2,4-Dichlorophenol	ND		ug/L	10	2.5	1	365636	03/12/25	03/12/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	10	1.5	1	365636	03/12/25	03/12/25	XLY
Naphthalene	ND		ug/L	10	1.4	1	365636	03/12/25	03/12/25	XLY
4-Chloroaniline	ND		ug/L	10	2.2	1	365636	03/12/25	03/12/25	XLY
Hexachlorobutadiene	ND		ug/L	10	3.0	1	365636	03/12/25	03/12/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	10	2.0	1	365636	03/12/25	03/12/25	XLY
2-Methylnaphthalene	ND		ug/L	10	1.7	1	365636	03/12/25	03/12/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	25	6.7	1	365636	03/12/25	03/12/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	10	3.3	1	365636	03/12/25	03/12/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	10	3.4	1	365636	03/12/25	03/12/25	XLY
2-Chloronaphthalene	ND		ug/L	10	1.9	1	365636	03/12/25	03/12/25	XLY
2-Nitroaniline	ND		ug/L	50	7.2	1	365636	03/12/25	03/12/25	XLY
Dimethylphthalate	ND		ug/L	10	3.0	1	365636	03/12/25	03/12/25	XLY
Acenaphthylene	ND		ug/L	10	2.1	1	365636	03/12/25	03/12/25	XLY
2,6-Dinitrotoluene	ND		ug/L	10	3.1	1	365636	03/12/25	03/12/25	XLY
3-Nitroaniline	ND		ug/L	10	2.3	1	365636	03/12/25	03/12/25	XLY
Acenaphthene	ND		ug/L	10	1.6	1	365636	03/12/25	03/12/25	XLY
2,4-Dinitrophenol	ND		ug/L	50	4.7	1	365636	03/12/25	03/12/25	XLY
4-Nitrophenol	ND		ug/L	10	4.6	1	365636	03/12/25	03/12/25	XLY
Dibenzofuran	ND		ug/L	10	1.7	1	365636	03/12/25	03/12/25	XLY
2,4-Dinitrotoluene	ND		ug/L	10	2.5	1	365636	03/12/25	03/12/25	XLY
Diethylphthalate	ND		ug/L	10	2.0	1	365636	03/12/25	03/12/25	XLY
Fluorene	ND		ug/L	10	1.7	1	365636	03/12/25	03/12/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	10	1.9	1	365636	03/12/25	03/12/25	XLY
4-Nitroaniline	ND		ug/L	10	3.7	1	365636	03/12/25	03/12/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	50	5.2	1	365636	03/12/25	03/12/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	10	1.6	1	365636	03/12/25	03/12/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	1.2	1	365636	03/12/25	03/12/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	10	2.3	1	365636	03/12/25	03/12/25	XLY
Hexachlorobenzene	ND		ug/L	10	2.6	1	365636	03/12/25	03/12/25	XLY
Pentachlorophenol	ND		ug/L	25	4.0	1	365636	03/12/25	03/12/25	XLY
Phenanthrene	ND		ug/L	10	1.3	1	365636	03/12/25	03/12/25	XLY
Anthracene	ND		ug/L	10	1.3	1	365636	03/12/25	03/12/25	XLY
Di-n-butylphthalate	ND		ug/L	10	2.0	1	365636	03/12/25	03/12/25	XLY
Fluoranthene	ND		ug/L	10	1.2	1	365636	03/12/25	03/12/25	XLY
Benzidine	ND		ug/L	50	8.8	1	365636	03/12/25	03/12/25	XLY
Pyrene	ND		ug/L	10	1.2	1	365636	03/12/25	03/12/25	XLY
Butylbenzylphthalate	ND		ug/L	10	2.6	1	365636	03/12/25	03/12/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	25	3.3	1	365636	03/12/25	03/12/25	XLY
Benzo(a)anthracene	ND		ug/L	10	0.81	1	365636	03/12/25	03/12/25	XLY
Chrysene	ND		ug/L	10	0.88	1	365636	03/12/25	03/12/25	XLY
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.5	1	365636	03/12/25	03/12/25	XLY
Di-n-octylphthalate	ND		ug/L	10	4.8	1	365636	03/12/25	03/12/25	XLY
Benzo(b)fluoranthene	ND		ug/L	10	1.3	1	365636	03/12/25	03/12/25	XLY
Benzo(k)fluoranthene	ND		ug/L	10	1.4	1	365636	03/12/25	03/12/25	XLY
Benzo(a)pyrene	ND		ug/L	10	1.3	1	365636	03/12/25	03/12/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	2.2	1	365636	03/12/25	03/12/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	10	2.1	1	365636	03/12/25	03/12/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	10	1.8	1	365636	03/12/25	03/12/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:2,6-Dichlorophenol	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:2-Acetylaminofluorene	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:3,3'-Dimethylbenzidine	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:4-Aminobiphenyl	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:Acetophenone	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:Chlorobenzilate	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:Diallate	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:Thionazin	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:a,a-Dimethylphenethylamine	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			1	365636	03/12/25	03/12/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	28%		%REC	10-140		1	365636	03/12/25	03/12/25	XLY
Phenol-d6	22%		%REC	10-140		1	365636	03/12/25	03/12/25	XLY
2,4,6-Tribromophenol	58%		%REC	12-140		1	365636	03/12/25	03/12/25	XLY
Nitrobenzene-d5	72%		%REC	10-140		1	365636	03/12/25	03/12/25	XLY
2-Fluorobiphenyl	62%		%REC	11-140		1	365636	03/12/25	03/12/25	XLY
Terphenyl-d14	73%		%REC	20-140		1	365636	03/12/25	03/12/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.0021**	J	mg/L	0.0050	0.0021	0.5	366177	03/17/25	03/18/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

Sample ID:	Lab ID: 528551-002	Collected: 03/11/25 13:00
SOUTH BASIN EAST INLET	Matrix: Water	

528551-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	**1.1**	J	ug/L	5.0	0.50	1	365828	03/13/25	03/13/25	KAM
Antimony	**1.5**	J,b	ug/L	2.0	0.31	1	365828	03/13/25	03/13/25	KAM
Arsenic	**83**		ug/L	2.0	0.38	1	365828	03/13/25	03/13/25	KAM
Barium	**6,800**		ug/L	100	9.2	20	365828	03/13/25	03/13/25	KAM
Beryllium	**20**		ug/L	20	1.5	20	365828	03/13/25	03/14/25	KAM
Cadmium	**21**		ug/L	1.0	0.095	1	365828	03/13/25	03/13/25	KAM
Chromium	**510**		ug/L	100	4.8	20	365828	03/13/25	03/13/25	KAM
Cobalt	**310**		ug/L	20	2.1	20	365828	03/13/25	03/13/25	KAM
Copper	**1,100**		ug/L	60	14	20	365828	03/13/25	03/13/25	KAM
Lead	**840**		ug/L	100	3.5	20	365828	03/13/25	03/13/25	KAM
Nickel	**620**		ug/L	100	15	20	365828	03/13/25	03/13/25	KAM
Selenium	**16**		ug/L	2.0	1.6	1	365828	03/13/25	03/13/25	KAM
Silver	**6.0**		ug/L	5.0	0.63	1	365828	03/13/25	03/13/25	KAM
Thallium	**2.6**		ug/L	1.0	0.20	1	365828	03/13/25	03/13/25	KAM
Vanadium	**630**		ug/L	100	5.3	20	365828	03/13/25	03/13/25	KAM
Zinc	**4,600**		ug/L	200	150	20	365828	03/13/25	03/13/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**3.2**		ug/L	0.40	0.17	1	365924	03/14/25	03/14/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	ND		mg/L	0.010	0.0047	1	366646	03/21/25	03/21/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	2.0	0.7	40	365844	03/13/25	03/14/25	KLR
beta-BHC	ND		ug/L	2.0	1.1	40	365844	03/13/25	03/14/25	KLR
gamma-BHC	ND		ug/L	2.0	0.8	40	365844	03/13/25	03/14/25	KLR
delta-BHC	ND		ug/L	2.0	0.8	40	365844	03/13/25	03/14/25	KLR
Heptachlor	ND		ug/L	2.0	0.8	40	365844	03/13/25	03/14/25	KLR
Aldrin	ND		ug/L	2.0	1.3	40	365844	03/13/25	03/14/25	KLR
Heptachlor epoxide	ND		ug/L	2.0	1.0	40	365844	03/13/25	03/14/25	KLR
Endosulfan I	ND		ug/L	2.0	1.0	40	365844	03/13/25	03/14/25	KLR
Dieldrin	ND		ug/L	4.0	1.0	40	365844	03/13/25	03/14/25	KLR
4,4'-DDE	ND		ug/L	4.0	1.2	40	365844	03/13/25	03/14/25	KLR
Endrin	ND		ug/L	4.0	1.1	40	365844	03/13/25	03/14/25	KLR
Endosulfan II	ND		ug/L	4.0	1.1	40	365844	03/13/25	03/14/25	KLR
Endosulfan sulfate	ND		ug/L	4.0	1.2	40	365844	03/13/25	03/14/25	KLR
4,4'-DDD	ND		ug/L	4.0	1.0	40	365844	03/13/25	03/14/25	KLR
Endrin aldehyde	ND		ug/L	4.0	1.6	40	365844	03/13/25	03/14/25	KLR
Endrin ketone	ND		ug/L	4.0	1.4	40	365844	03/13/25	03/14/25	KLR
4,4'-DDT	ND		ug/L	4.0	1.7	40	365844	03/13/25	03/14/25	KLR
Methoxychlor	ND		ug/L	4.0	2.1	40	365844	03/13/25	03/14/25	KLR
Toxaphene	ND		ug/L	80	18	40	365844	03/13/25	03/14/25	KLR
Chlordane (Technical)	ND		ug/L	40	9.8	40	365844	03/13/25	03/14/25	KLR
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX		DO	%REC	14-120		40	365844	03/13/25	03/14/25	KLR
Decachlorobiphenyl		DO	%REC	20-120		40	365844	03/13/25	03/14/25	KLR
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	10	7.4	20	365844	03/13/25	03/14/25	KLR
Aroclor-1221	ND		ug/L	10	8.2	20	365844	03/13/25	03/14/25	KLR
Aroclor-1232	ND		ug/L	10	7.2	20	365844	03/13/25	03/14/25	KLR
Aroclor-1242	ND		ug/L	10	6.9	20	365844	03/13/25	03/14/25	KLR
Aroclor-1248	ND		ug/L	10	6.9	20	365844	03/13/25	03/14/25	KLR
Aroclor-1254	ND		ug/L	10	3.6	20	365844	03/13/25	03/14/25	KLR
Aroclor-1260	ND		ug/L	10	9.0	20	365844	03/13/25	03/14/25	KLR
Aroclor-1262	ND		ug/L	10	7.9	20	365844	03/13/25	03/14/25	KLR
Aroclor-1268	ND		ug/L	10	5.0	20	365844	03/13/25	03/14/25	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	163%	*	%REC	18-126		20	365844	03/13/25	03/14/25	KLR
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
Chloroprene	ND		ug/L	200	0.3	1	365630	03/12/25	03/12/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.5	1	365630	03/12/25	03/12/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.5	1	365630	03/12/25	03/12/25	ZST
Ethanol	ND		ug/L	500	320	1	365630	03/12/25	03/12/25	ZST
2-Hexanone	**0.8**	J	ug/L	5.0	0.7	1	365630	03/12/25	03/12/25	ZST
Isopropanol (IPA)	ND		ug/L	200	73	1	365630	03/12/25	03/12/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.3	1	365630	03/12/25	03/12/25	ZST
Vinyl Acetate	ND		ug/L	50	4.3	1	365630	03/12/25	03/12/25	ZST
Acrolein	ND		ug/L	200	2.2	1	365630	03/12/25	03/12/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	365630	03/12/25	03/12/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Chloromethane	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Bromomethane	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Iodomethane	ND		ug/L	7.6		1	365630	03/12/25	03/12/25	ZST
Acetone	**21**	J	ug/L	100	21	1	365630	03/12/25	03/12/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Methylene Chloride	ND		ug/L	10	2.4	1	365630	03/12/25	03/12/25	ZST
MTBE	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
2-Butanone	**3.0**	J	ug/L	10	1.7	1	365630	03/12/25	03/12/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	1.0	0.1	1	365630	03/12/25	03/12/25	ZST
Trichloroethene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.08	1	365630	03/12/25	03/12/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
4-Methyl-2-Pentanone	**2.1**	J	ug/L	10	1.0	1	365630	03/12/25	03/12/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	365630	03/12/25	03/12/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	365630	03/12/25	03/12/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.09	1	365630	03/12/25	03/12/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Propylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	365630	03/12/25	03/12/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	365630	03/12/25	03/12/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	365630	03/12/25	03/12/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	365630	03/12/25	03/12/25	ZST
Xylene (total)	ND		ug/L	5.0		1	365630	03/12/25	03/12/25	ZST
TIC:	ND					1	365630	03/12/25	03/12/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	106%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST
Toluene-d8	98%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	365630	03/12/25	03/12/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	2.8	1.0	5.6	365723	03/12/25	03/13/25	ZFA
2-Methylnaphthalene	ND		ug/L	2.8	1.3	5.6	365723	03/12/25	03/13/25	ZFA
Naphthalene	ND		ug/L	2.8	1.1	5.6	365723	03/12/25	03/13/25	ZFA
Acenaphthylene	ND		ug/L	2.8	1.2	5.6	365723	03/12/25	03/13/25	ZFA
Acenaphthene	ND		ug/L	2.8	0.96	5.6	365723	03/12/25	03/13/25	ZFA
Fluorene	ND		ug/L	2.8	0.92	5.6	365723	03/12/25	03/13/25	ZFA
Phenanthrene	ND		ug/L	2.8	1.1	5.6	365723	03/12/25	03/13/25	ZFA
Anthracene	ND		ug/L	2.8	0.99	5.6	365723	03/12/25	03/13/25	ZFA
Fluoranthene	ND		ug/L	2.8	0.97	5.6	365723	03/12/25	03/13/25	ZFA
Pyrene	ND		ug/L	2.8	0.92	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(a)anthracene	ND		ug/L	2.8	0.83	5.6	365723	03/12/25	03/13/25	ZFA
Chrysene	ND		ug/L	2.8	0.90	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	2.8	0.90	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	2.8	0.91	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(a)pyrene	ND		ug/L	2.8	0.70	5.6	365723	03/12/25	03/13/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	2.8	0.78	5.6	365723	03/12/25	03/13/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	2.8	1.0	5.6	365723	03/12/25	03/13/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	2.8	1.1	5.6	365723	03/12/25	03/13/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	88%		%REC	16-125		5.6	365723	03/12/25	03/13/25	ZFA
2-Fluorobiphenyl	85%		%REC	17-120		5.6	365723	03/12/25	03/13/25	ZFA
Terphenyl-d14	98%		%REC	39-123		5.6	365723	03/12/25	03/13/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	120	11	12	365636	03/12/25	03/12/25	XLY
Pyridine	ND		ug/L	120	42	12	365636	03/12/25	03/12/25	XLY
N-Nitrosodimethylamine	ND		ug/L	120	14	12	365636	03/12/25	03/12/25	XLY
Phenol	ND		ug/L	120	12	12	365636	03/12/25	03/12/25	XLY
Aniline	ND		ug/L	120	21	12	365636	03/12/25	03/12/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	290	19	12	365636	03/12/25	03/12/25	XLY
2-Chlorophenol	ND		ug/L	120	18	12	365636	03/12/25	03/12/25	XLY
1,3-Dichlorobenzene	ND		ug/L	120	18	12	365636	03/12/25	03/12/25	XLY
1,4-Dichlorobenzene	ND		ug/L	120	19	12	365636	03/12/25	03/12/25	XLY
Benzyl alcohol	ND		ug/L	120	120	12	365636	03/12/25	03/12/25	XLY
1,2-Dichlorobenzene	ND		ug/L	120	17	12	365636	03/12/25	03/12/25	XLY
2-Methylphenol	ND		ug/L	120	19	12	365636	03/12/25	03/12/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	120	17	12	365636	03/12/25	03/12/25	XLY
3-,4-Methylphenol	ND		ug/L	120	21	12	365636	03/12/25	03/12/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	120	20	12	365636	03/12/25	03/12/25	XLY
Hexachloroethane	ND		ug/L	120	26	12	365636	03/12/25	03/12/25	XLY
Nitrobenzene	ND		ug/L	290	140	12	365636	03/12/25	03/12/25	XLY
Isophorone	ND		ug/L	120	20	12	365636	03/12/25	03/12/25	XLY
2-Nitrophenol	ND		ug/L	120	84	12	365636	03/12/25	03/12/25	XLY
2,4-Dimethylphenol	ND		ug/L	120	66	12	365636	03/12/25	03/12/25	XLY
Benzoic acid	ND		ug/L	590	140	12	365636	03/12/25	03/12/25	XLY
bis(2-Chloroethoxy)methane	ND		ug/L	120	20	12	365636	03/12/25	03/12/25	XLY
2,4-Dichlorophenol	ND		ug/L	120	29	12	365636	03/12/25	03/12/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	120	18	12	365636	03/12/25	03/12/25	XLY
Naphthalene	ND		ug/L	120	17	12	365636	03/12/25	03/12/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Chloroaniline	ND		ug/L	120	26	12	365636	03/12/25	03/12/25	XLY
Hexachlorobutadiene	ND		ug/L	120	35	12	365636	03/12/25	03/12/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	120	24	12	365636	03/12/25	03/12/25	XLY
2-Methylnaphthalene	ND		ug/L	120	20	12	365636	03/12/25	03/12/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	290	79	12	365636	03/12/25	03/12/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	120	39	12	365636	03/12/25	03/12/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	120	40	12	365636	03/12/25	03/12/25	XLY
2-Chloronaphthalene	ND		ug/L	120	22	12	365636	03/12/25	03/12/25	XLY
2-Nitroaniline	ND		ug/L	590	84	12	365636	03/12/25	03/12/25	XLY
Dimethylphthalate	ND		ug/L	120	36	12	365636	03/12/25	03/12/25	XLY
Acenaphthylene	ND		ug/L	120	25	12	365636	03/12/25	03/12/25	XLY
2,6-Dinitrotoluene	ND		ug/L	120	37	12	365636	03/12/25	03/12/25	XLY
3-Nitroaniline	ND		ug/L	120	27	12	365636	03/12/25	03/12/25	XLY
Acenaphthene	ND		ug/L	120	18	12	365636	03/12/25	03/12/25	XLY
2,4-Dinitrophenol	ND		ug/L	590	56	12	365636	03/12/25	03/12/25	XLY
4-Nitrophenol	ND		ug/L	120	54	12	365636	03/12/25	03/12/25	XLY
Dibenzofuran	ND		ug/L	120	20	12	365636	03/12/25	03/12/25	XLY
2,4-Dinitrotoluene	ND		ug/L	120	29	12	365636	03/12/25	03/12/25	XLY
Diethylphthalate	ND		ug/L	120	24	12	365636	03/12/25	03/12/25	XLY
Fluorene	ND		ug/L	120	20	12	365636	03/12/25	03/12/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	120	22	12	365636	03/12/25	03/12/25	XLY
4-Nitroaniline	ND		ug/L	120	43	12	365636	03/12/25	03/12/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	590	61	12	365636	03/12/25	03/12/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	120	19	12	365636	03/12/25	03/12/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	120	14	12	365636	03/12/25	03/12/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	120	27	12	365636	03/12/25	03/12/25	XLY
Hexachlorobenzene	ND		ug/L	120	31	12	365636	03/12/25	03/12/25	XLY
Pentachlorophenol	ND		ug/L	290	46	12	365636	03/12/25	03/12/25	XLY
Phenanthrene	ND		ug/L	120	15	12	365636	03/12/25	03/12/25	XLY
Anthracene	ND		ug/L	120	15	12	365636	03/12/25	03/12/25	XLY
Di-n-butylphthalate	ND		ug/L	120	24	12	365636	03/12/25	03/12/25	XLY
Fluoranthene	ND		ug/L	120	15	12	365636	03/12/25	03/12/25	XLY
Benzidine	ND		ug/L	590	100	12	365636	03/12/25	03/12/25	XLY
Pyrene	ND		ug/L	120	14	12	365636	03/12/25	03/12/25	XLY
Butylbenzylphthalate	ND		ug/L	120	30	12	365636	03/12/25	03/12/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	290	38	12	365636	03/12/25	03/12/25	XLY
Benzo(a)anthracene	ND		ug/L	120	9.6	12	365636	03/12/25	03/12/25	XLY
Chrysene	ND		ug/L	120	10	12	365636	03/12/25	03/12/25	XLY
bis(2-Ethylhexyl)phthalate	ND		ug/L	120	42	12	365636	03/12/25	03/12/25	XLY
Di-n-octylphthalate	ND		ug/L	120	56	12	365636	03/12/25	03/12/25	XLY
Benzo(b)fluoranthene	ND		ug/L	120	16	12	365636	03/12/25	03/12/25	XLY
Benzo(k)fluoranthene	ND		ug/L	120	16	12	365636	03/12/25	03/12/25	XLY
Benzo(a)pyrene	ND		ug/L	120	16	12	365636	03/12/25	03/12/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	120	25	12	365636	03/12/25	03/12/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	120	25	12	365636	03/12/25	03/12/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	120	21	12	365636	03/12/25	03/12/25	XLY
TIC:2,6-Dichlorophenol	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:2-Acetylaminofluorene	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:3,3'-Dimethylbenzidine	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:4-Aminobiphenyl	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:Acetophenone	ND		ug/L			12	365636	03/12/25	03/12/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528551

528551-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:Chlorobenzilate	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:Diallate	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:Thionazin	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:a,a-Dimethylphenethylamine	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			12	365636	03/12/25	03/12/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	33%		%REC	10-140		12	365636	03/12/25	03/12/25	XLY
Phenol-d6	27%		%REC	10-140		12	365636	03/12/25	03/12/25	XLY
2,4,6-Tribromophenol	52%		%REC	12-140		12	365636	03/12/25	03/12/25	XLY
Nitrobenzene-d5	50%		%REC	10-140		12	365636	03/12/25	03/12/25	XLY
2-Fluorobiphenyl	46%		%REC	11-140		12	365636	03/12/25	03/12/25	XLY
Terphenyl-d14	52%		%REC	20-140		12	365636	03/12/25	03/12/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.0052**		mg/L	0.0050	0.0021	0.5	366177	03/17/25	03/18/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366053	03/15/25	03/15/25	DXA

* Value is outside QC limits
B Contamination found in associated Method Blank
DO Diluted Out
J Estimated value
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1238054**	**Batch: 365638**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1238054 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	0.92	J	ug/L	5.0	0.50	03/12/25	03/12/25
Antimony	ND		ug/L	2.0	0.31	03/12/25	03/12/25
Arsenic	ND		ug/L	2.0	0.38	03/12/25	03/12/25
Barium	ND		ug/L	5.0	0.46	03/12/25	03/12/25
Beryllium	ND		ug/L	1.0	0.21	03/12/25	03/12/25
Cadmium	ND		ug/L	1.0	0.095	03/12/25	03/12/25
Chromium	ND		ug/L	5.0	0.24	03/12/25	03/12/25
Cobalt	ND		ug/L	1.0	0.10	03/12/25	03/12/25
Copper	ND		ug/L	3.0	0.71	03/12/25	03/12/25
Lead	ND		ug/L	5.0	0.18	03/12/25	03/12/25
Nickel	ND		ug/L	5.0	0.74	03/12/25	03/12/25
Selenium	ND		ug/L	2.0	1.6	03/12/25	03/12/25
Silver	ND		ug/L	5.0	0.63	03/12/25	03/12/25
Thallium	ND		ug/L	1.0	0.20	03/12/25	03/12/25
Vanadium	ND		ug/L	5.0	0.26	03/12/25	03/12/25
Zinc	ND		ug/L	10	7.4	03/12/25	03/12/25

Type: Lab Control Sample	**Lab ID: QC1238055**	**Batch: 365638**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1238055 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	98.17	100.0	ug/L	98%		85-115
Antimony	110.6	100.0	ug/L	111%		85-115
Arsenic	99.69	100.0	ug/L	100%		85-115
Barium	94.60	100.0	ug/L	95%		85-115
Beryllium	97.50	100.0	ug/L	97%		85-115
Cadmium	96.70	100.0	ug/L	97%		85-115
Chromium	103.2	100.0	ug/L	103%		85-115
Cobalt	105.6	100.0	ug/L	106%		85-115
Copper	104.8	100.0	ug/L	105%		85-115
Lead	99.57	100.0	ug/L	100%		85-115
Nickel	104.5	100.0	ug/L	105%		85-115
Selenium	96.83	100.0	ug/L	97%		85-115
Silver	47.19	50.00	ug/L	94%		85-115
Thallium	99.89	100.0	ug/L	100%		85-115
Vanadium	103.1	100.0	ug/L	103%		85-115
Zinc	101.4	100.0	ug/L	101%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1238056	Batch:	365638
Matrix (Source ID):	Water (528455-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238056 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	96.83	ND	100.0	ug/L	97%		70-130	25
Antimony	120.6	1.262	100.0	ug/L	119%		70-130	25
Arsenic	103.8	6.591	100.0	ug/L	97%		70-130	25
Barium	144.5	52.47	100.0	ug/L	92%		70-130	25
Beryllium	108.6	ND	100.0	ug/L	109%		70-130	25
Cadmium	92.18	ND	100.0	ug/L	92%		70-130	25
Chromium	108.1	3.110	100.0	ug/L	105%		70-130	25
Cobalt	109.2	2.437	100.0	ug/L	107%		70-130	25
Copper	112.8	3.817	100.0	ug/L	109%		70-130	25
Lead	95.48	1.575	100.0	ug/L	94%		70-130	25
Nickel	112.4	6.736	100.0	ug/L	106%		70-130	25
Selenium	86.38	ND	100.0	ug/L	86%		70-130	25
Silver	44.53	ND	50.00	ug/L	89%		70-130	25
Thallium	93.03	ND	100.0	ug/L	93%		70-130	25
Vanadium	87.88	5.143	100.0	ug/L	83%		70-130	25
Zinc	107.2	21.77	100.0	ug/L		DO	70-130	25

Type:	Matrix Spike Duplicate	Lab ID:	QC1238057	Batch:	365638
Matrix (Source ID):	Water (528455-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238057 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	97.33	ND	100.0	ug/L	97%		70-130	1	20	25
Antimony	114.1	1.262	100.0	ug/L	113%		70-130	6	20	25
Arsenic	101.1	6.591	100.0	ug/L	95%		70-130	3	20	25
Barium	147.3	52.47	100.0	ug/L	95%		70-130	2	20	25
Beryllium	92.98	ND	100.0	ug/L	93%		70-130	15	20	25
Cadmium	93.93	ND	100.0	ug/L	94%		70-130	2	20	25
Chromium	110.7	3.110	100.0	ug/L	108%		70-130	2	20	25
Cobalt	110.5	2.437	100.0	ug/L	108%		70-130	1	20	25
Copper	114.7	3.817	100.0	ug/L	111%		70-130	2	20	25
Lead	96.85	1.575	100.0	ug/L	95%		70-130	1	20	25
Nickel	111.7	6.736	100.0	ug/L	105%		70-130	1	20	25
Selenium	86.15	ND	100.0	ug/L	86%		70-130	0	20	25
Silver	45.68	ND	50.00	ug/L	91%		70-130	3	20	25
Thallium	93.63	ND	100.0	ug/L	94%		70-130	1	20	25
Vanadium	92.08	5.143	100.0	ug/L	87%		70-130	5	20	25
Zinc	108.2	21.77	100.0	ug/L		DO	70-130		20	25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1238059	Batch:	365638
Matrix (Source ID):	Water (528455-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238059 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	104.4	0.8830	100.0	ug/L	103%		70-130	25
Antimony	118.7	1.986	100.0	ug/L	117%		70-130	25
Arsenic	105.8	8.956	100.0	ug/L	97%		70-130	25
Barium	167.3	75.70	100.0	ug/L	92%		70-130	25
Beryllium	100.3	ND	100.0	ug/L	100%		70-130	25
Cadmium	91.48	ND	100.0	ug/L	91%		70-130	25
Chromium	111.6	6.218	100.0	ug/L	105%		70-130	25
Cobalt	109.9	2.740	100.0	ug/L	107%		70-130	25
Copper	116.8	4.286	100.0	ug/L	113%		70-130	25
Lead	101.0	1.882	100.0	ug/L	99%		70-130	25
Nickel	118.8	8.028	100.0	ug/L	111%		70-130	25
Selenium	83.60	ND	100.0	ug/L	84%		70-130	25
Silver	45.93	ND	50.00	ug/L	92%		70-130	25
Thallium	97.53	ND	100.0	ug/L	98%		70-130	25
Vanadium	87.90	5.618	100.0	ug/L	82%		70-130	25
Zinc	161.3	65.37	100.0	ug/L		DO	70-130	25

Type:	Matrix Spike Duplicate	Lab ID:	QC1238060	Batch:	365638
Matrix (Source ID):	Water (528455-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238060 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	100.7	0.8830	100.0	ug/L	100%		70-130	4	20	25
Antimony	111.4	1.986	100.0	ug/L	109%		70-130	6	20	25
Arsenic	103.8	8.956	100.0	ug/L	95%		70-130	2	20	25
Barium	160.0	75.70	100.0	ug/L	84%		70-130	4	20	25
Beryllium	103.4	ND	100.0	ug/L	103%		70-130	3	20	25
Cadmium	89.43	ND	100.0	ug/L	89%		70-130	2	20	25
Chromium	112.7	6.218	100.0	ug/L	107%		70-130	1	20	25
Cobalt	110.4	2.740	100.0	ug/L	108%		70-130	0	20	25
Copper	109.8	4.286	100.0	ug/L	106%		70-130	6	20	25
Lead	97.50	1.882	100.0	ug/L	96%		70-130	3	20	25
Nickel	109.8	8.028	100.0	ug/L	102%		70-130	8	20	25
Selenium	76.53	ND	100.0	ug/L	77%		70-130	9	20	25
Silver	43.98	ND	50.00	ug/L	88%		70-130	4	20	25
Thallium	94.08	ND	100.0	ug/L	94%		70-130	4	20	25
Vanadium	89.28	5.618	100.0	ug/L	84%		70-130	2	20	25
Zinc	153.7	65.37	100.0	ug/L		DO	70-130		20	25

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1238639	**Batch:** 365828
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 3015A

QC1238639 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	ND		ug/L	5.0	0.50	03/13/25	03/13/25
Antimony	ND		ug/L	2.0	0.31	03/13/25	03/13/25
Arsenic	ND		ug/L	2.0	0.38	03/13/25	03/13/25
Barium	ND		ug/L	5.0	0.46	03/13/25	03/13/25
Beryllium	ND		ug/L	1.0	0.21	03/13/25	03/13/25
Cadmium	ND		ug/L	1.0	0.095	03/13/25	03/13/25
Chromium	ND		ug/L	5.0	0.24	03/13/25	03/13/25
Cobalt	ND		ug/L	1.0	0.10	03/13/25	03/13/25
Copper	ND		ug/L	3.0	0.71	03/13/25	03/13/25
Lead	ND		ug/L	5.0	0.18	03/13/25	03/13/25
Nickel	ND		ug/L	5.0	0.74	03/13/25	03/13/25
Selenium	ND		ug/L	2.0	1.6	03/13/25	03/13/25
Silver	ND		ug/L	5.0	0.63	03/13/25	03/13/25
Thallium	ND		ug/L	1.0	0.20	03/13/25	03/13/25
Vanadium	ND		ug/L	5.0	0.26	03/13/25	03/13/25
Zinc	ND		ug/L	10	7.4	03/13/25	03/13/25

Type: Lab Control Sample	**Lab ID:** QC1238640	**Batch:** 365828
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 3015A

QC1238640 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	91.51	100.0	ug/L	92%		85-115
Antimony	127.8	100.0	ug/L	128%	*	85-115
Arsenic	97.39	100.0	ug/L	97%		85-115
Barium	99.01	100.0	ug/L	99%		85-115
Beryllium	111.6	100.0	ug/L	112%		85-115
Cadmium	99.16	100.0	ug/L	99%		85-115
Chromium	99.02	100.0	ug/L	99%		85-115
Cobalt	104.7	100.0	ug/L	105%		85-115
Copper	100.9	100.0	ug/L	101%		85-115
Lead	96.81	100.0	ug/L	97%		85-115
Nickel	102.8	100.0	ug/L	103%		85-115
Selenium	94.08	100.0	ug/L	94%		85-115
Silver	49.31	50.00	ug/L	99%		85-115
Thallium	97.15	100.0	ug/L	97%		85-115
Vanadium	98.69	100.0	ug/L	99%		85-115
Zinc	100.5	100.0	ug/L	100%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1238641	Batch:	365828
Matrix (Source ID):	Water (528678-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238641 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	93.71	ND	100.0	ug/L	94%		70-130	10
Antimony	103.9	ND	100.0	ug/L	104%	b	70-130	10
Arsenic	97.21	ND	100.0	ug/L	97%		70-130	10
Barium	104.2	7.040	100.0	ug/L	97%		70-130	10
Beryllium	116.3	ND	100.0	ug/L	116%		70-130	10
Cadmium	95.55	ND	100.0	ug/L	96%		70-130	10
Chromium	99.27	ND	100.0	ug/L	99%		70-130	10
Cobalt	106.1	ND	100.0	ug/L	106%		70-130	10
Copper	110.0	9.539	100.0	ug/L	100%		70-130	10
Lead	97.81	ND	100.0	ug/L	98%		70-130	10
Nickel	106.5	ND	100.0	ug/L	106%		70-130	10
Selenium	99.81	ND	100.0	ug/L	100%		70-130	10
Silver	48.86	ND	50.00	ug/L	98%		70-130	10
Thallium	97.42	ND	100.0	ug/L	97%		70-130	10
Vanadium	81.72	ND	100.0	ug/L	82%		70-130	10
Zinc	277.2	184.3	100.0	ug/L	93%		70-130	10

Type:	Matrix Spike Duplicate	Lab ID:	QC1238642	Batch:	365828
Matrix (Source ID):	Water (528678-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1238642 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	96.41	ND	100.0	ug/L	96%		70-130	3	20	10
Antimony	106.2	ND	100.0	ug/L	106%	b	70-130	2	20	10
Arsenic	100.8	ND	100.0	ug/L	101%		70-130	4	20	10
Barium	105.4	7.040	100.0	ug/L	98%		70-130	1	20	10
Beryllium	110.3	ND	100.0	ug/L	110%		70-130	5	20	10
Cadmium	98.74	ND	100.0	ug/L	99%		70-130	3	20	10
Chromium	104.8	ND	100.0	ug/L	105%		70-130	5	20	10
Cobalt	110.7	ND	100.0	ug/L	111%		70-130	4	20	10
Copper	117.0	9.539	100.0	ug/L	107%		70-130	6	20	10
Lead	98.04	ND	100.0	ug/L	98%		70-130	0	20	10
Nickel	111.0	ND	100.0	ug/L	111%		70-130	4	20	10
Selenium	104.1	ND	100.0	ug/L	104%		70-130	4	20	10
Silver	48.46	ND	50.00	ug/L	97%		70-130	1	20	10
Thallium	96.87	ND	100.0	ug/L	97%		70-130	1	20	10
Vanadium	87.01	ND	100.0	ug/L	87%		70-130	6	20	10
Zinc	285.2	184.3	100.0	ug/L	101%		70-130	3	20	10

Type:	Blank	Lab ID:	QC1238095	Batch:	365649
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1238095 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.032	03/12/25	03/12/25

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1238096	Batch:	365649
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1238096 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.982	5.000	ug/L	100%		85-115

Type:	Matrix Spike	Lab ID:	QC1238097	Batch:	365649
Matrix (Source ID):	Water (528217-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1238097 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.248	ND	5.000	ug/L	85%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238098	Batch:	365649
Matrix (Source ID):	Water (528217-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1238098 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.210	ND	5.000	ug/L	84%		75-125	1	20	1

Type:	Matrix Spike	Lab ID:	QC1238099	Batch:	365649
Matrix (Source ID):	Water (528454-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1238099 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.715	0.1082	5.000	ug/L	92%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238100	Batch:	365649
Matrix (Source ID):	Water (528454-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1238100 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.522	0.1082	5.000	ug/L	88%		75-125	4	20	1

Type:	Blank	Lab ID:	QC1239015	Batch:	365924
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1239015 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	03/14/25	03/14/25

Type:	Lab Control Sample	Lab ID:	QC1239016	Batch:	365924
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1239016 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.690	5.000	ug/L	94%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1239017**	**Batch:**	**365924**
Matrix (Source ID):	**Filtrate (528740-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**EPA 245.1**

QC1239017 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.451	ND	5.000	ug/L	89%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1239018**	**Batch:**	**365924**
Matrix (Source ID):	**Filtrate (528740-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**EPA 245.1**

QC1239018 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.539	ND	5.000	ug/L	91%		75-125	2	20	1

Type:	**Blank**	**Lab ID:**	**QC1241440**	**Batch:**	**366646**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1241440 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	03/21/25	03/21/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1241441**	**Batch:**	**366646**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1241441 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.07000	0.08000	mg/L	88%		80-120

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1241442**	**Batch:**	**366646**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1241442 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.07500	0.08000	mg/L	94%		80-120	7	20

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1238703	Batch: 365844
Matrix: Water		

QC1238703 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
beta-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
gamma-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
delta-BHC	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Heptachlor	ND		ug/L	0.05	0.01	03/13/25	03/14/25
Aldrin	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Endosulfan I	ND		ug/L	0.05	0.02	03/13/25	03/14/25
Dieldrin	ND		ug/L	0.1	0.01	03/13/25	03/14/25
4,4'-DDE	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endrin	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endosulfan II	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	03/13/25	03/14/25
4,4'-DDD	ND		ug/L	0.1	0.02	03/13/25	03/14/25
Endrin aldehyde	ND		ug/L	0.1	0.03	03/13/25	03/14/25
Endrin ketone	ND		ug/L	0.1	0.03	03/13/25	03/14/25
4,4'-DDT	ND		ug/L	0.1	0.04	03/13/25	03/14/25
Methoxychlor	ND		ug/L	0.1	0.06	03/13/25	03/14/25
Toxaphene	ND		ug/L	2.0	0.8	03/13/25	03/14/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	03/13/25	03/14/25
Surrogates				**Limits**			
TCMX	80%		%REC	14-120		03/13/25	03/14/25
Decachlorobiphenyl	104%		%REC	20-120		03/13/25	03/14/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	03/13/25	03/14/25
Aroclor-1221	ND		ug/L	0.50	0.41	03/13/25	03/14/25
Aroclor-1232	ND		ug/L	0.50	0.36	03/13/25	03/14/25
Aroclor-1242	ND		ug/L	0.50	0.35	03/13/25	03/14/25
Aroclor-1248	ND		ug/L	0.50	0.34	03/13/25	03/14/25
Aroclor-1254	ND		ug/L	0.50	0.18	03/13/25	03/14/25
Aroclor-1260	ND		ug/L	0.50	0.45	03/13/25	03/14/25
Aroclor-1262	ND		ug/L	0.50	0.39	03/13/25	03/14/25
Aroclor-1268	ND		ug/L	0.50	0.25	03/13/25	03/14/25
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	107%		%REC	18-126		03/13/25	03/14/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238704**	**Batch:**	**365844**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1238704 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5588	0.5000	ug/L	112%		53-120
beta-BHC	0.5936	0.5000	ug/L	119%		59-120
gamma-BHC	0.5737	0.5000	ug/L	115%		54-120
delta-BHC	0.5962	0.5000	ug/L	119%		58-120
Heptachlor	0.5112	0.5000	ug/L	102%		49-120
Aldrin	0.4852	0.5000	ug/L	97%		47-120
Heptachlor epoxide	0.5215	0.5000	ug/L	104%		53-120
Endosulfan I	0.5354	0.5000	ug/L	107%		56-120
Dieldrin	0.5093	0.5000	ug/L	102%		55-120
4,4'-DDE	0.5578	0.5000	ug/L	112%		55-120
Endrin	0.5529	0.5000	ug/L	111%		57-120
Endosulfan II	0.5385	0.5000	ug/L	108%		58-120
Endosulfan sulfate	0.5516	0.5000	ug/L	110%		56-120
4,4'-DDD	0.5316	0.5000	ug/L	106%		53-120
Endrin aldehyde	0.5188	0.5000	ug/L	104%		45-120
Endrin ketone	0.5776	0.5000	ug/L	116%		61-120
4,4'-DDT	0.5493	0.5000	ug/L	110%		58-120
Methoxychlor	0.5991	0.5000	ug/L	120%		54-120
Surrogates						
TCMX	0.4216	0.5000	ug/L	84%		14-120
Decachlorobiphenyl	0.5196	0.5000	ug/L	104%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238705**	**Batch:**	**365844**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1238705 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.5092	0.5000	ug/L	102%		53-120	9	20
beta-BHC	0.5386	0.5000	ug/L	108%		59-120	10	20
gamma-BHC	0.5204	0.5000	ug/L	104%		54-120	10	20
delta-BHC	0.5447	0.5000	ug/L	109%		58-120	9	20
Heptachlor	0.4701	0.5000	ug/L	94%		49-120	8	20
Aldrin	0.4501	0.5000	ug/L	90%		47-120	8	20
Heptachlor epoxide	0.4779	0.5000	ug/L	96%		53-120	9	20
Endosulfan I	0.4905	0.5000	ug/L	98%		56-120	9	20
Dieldrin	0.4657	0.5000	ug/L	93%		55-120	9	20
4,4'-DDE	0.5109	0.5000	ug/L	102%		55-120	9	20
Endrin	0.5052	0.5000	ug/L	101%		57-120	9	20
Endosulfan II	0.5010	0.5000	ug/L	100%		58-120	7	20
Endosulfan sulfate	0.5076	0.5000	ug/L	102%		56-120	8	20
4,4'-DDD	0.4947	0.5000	ug/L	99%		53-120	7	20
Endrin aldehyde	0.4763	0.5000	ug/L	95%		45-120	9	20
Endrin ketone	0.5313	0.5000	ug/L	106%		61-120	8	20
4,4'-DDT	0.5099	0.5000	ug/L	102%		58-120	7	20
Methoxychlor	0.5594	0.5000	ug/L	112%		54-120	7	20
Surrogates								
TCMX	0.4005	0.5000	ug/L	80%		14-120		
Decachlorobiphenyl	0.4854	0.5000	ug/L	97%		20-120		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238706**	**Batch:**	**365844**
Matrix:	**TCLP Leachate**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1238706 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/L	0.10	0.041	03/13/25	03/14/25
beta-BHC	ND		ug/L	0.10	0.041	03/13/25	03/14/25
gamma-BHC	ND		ug/L	0.10	0.035	03/13/25	03/14/25
delta-BHC	ND		ug/L	0.10	0.034	03/13/25	03/14/25
Heptachlor	ND		ug/L	0.10	0.024	03/13/25	03/14/25
Aldrin	ND		ug/L	0.10	0.041	03/13/25	03/14/25
Heptachlor epoxide	ND		ug/L	0.10	0.036	03/13/25	03/14/25
Endosulfan I	ND		ug/L	0.10	0.038	03/13/25	03/14/25
Dieldrin	ND		ug/L	0.20	0.026	03/13/25	03/14/25
4,4'-DDE	ND		ug/L	0.20	0.034	03/13/25	03/14/25
Endrin	ND		ug/L	0.20	0.032	03/13/25	03/14/25
Endosulfan II	ND		ug/L	0.20	0.044	03/13/25	03/14/25
Endosulfan sulfate	ND		ug/L	0.20	0.037	03/13/25	03/14/25
4,4'-DDD	ND		ug/L	0.20	0.049	03/13/25	03/14/25
Endrin aldehyde	ND		ug/L	0.20	0.052	03/13/25	03/14/25
Endrin ketone	ND		ug/L	0.20	0.051	03/13/25	03/14/25
4,4'-DDT	ND		ug/L	0.20	0.073	03/13/25	03/14/25
Methoxychlor	ND		ug/L	0.20	0.13	03/13/25	03/14/25
Toxaphene	ND		ug/L	4.0	1.6	03/13/25	03/14/25
Chlordane (Technical)	ND		ug/L	2.0	0.52	03/13/25	03/14/25
Surrogates				**Limits**			
TCMX	69%		%REC	14-120		03/13/25	03/14/25
Decachlorobiphenyl	102%		%REC	20-120		03/13/25	03/14/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238707**	**Batch:**	**365844**
Matrix:	**TCLP Leachate**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1238707 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	1.025	1.000	ug/L	102%		53-120
beta-BHC	1.135	1.000	ug/L	114%		59-120
gamma-BHC	1.058	1.000	ug/L	106%		54-120
delta-BHC	1.134	1.000	ug/L	113%		58-120
Heptachlor	0.9573	1.000	ug/L	96%		49-120
Aldrin	0.9199	1.000	ug/L	92%		47-120
Heptachlor epoxide	0.9744	1.000	ug/L	97%		53-120
Endosulfan I	1.040	1.000	ug/L	104%		56-120
Dieldrin	0.9646	1.000	ug/L	96%		55-120
4,4'-DDE	1.065	1.000	ug/L	106%		55-120
Endrin	1.075	1.000	ug/L	107%		57-120
Endosulfan II	1.067	1.000	ug/L	107%		58-120
Endosulfan sulfate	1.097	1.000	ug/L	110%		56-120
4,4'-DDD	1.065	1.000	ug/L	107%		53-120
Endrin aldehyde	1.041	1.000	ug/L	104%		45-120
Endrin ketone	1.166	1.000	ug/L	117%		61-120
4,4'-DDT	1.093	1.000	ug/L	109%		58-120
Methoxychlor	1.264	1.000	ug/L	126%	*	54-120
Surrogates						
TCMX	0.7912	1.000	ug/L	79%		14-120
Decachlorobiphenyl	1.125	1.000	ug/L	112%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Spike	Lab ID:	QC1238708	Batch:	365844
Matrix (Source ID):	TCLP Leachate (527850-001)	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1238708 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	1.073	ND	1.000	ug/L	107%		43-130	2
beta-BHC	1.183	ND	1.000	ug/L	118%		49-130	2
gamma-BHC	1.106	ND	1.000	ug/L	111%		44-130	2
delta-BHC	1.191	ND	1.000	ug/L	119%		48-130	2
Heptachlor	0.9991	ND	1.000	ug/L	100%		39-130	2
Aldrin	0.9795	ND	1.000	ug/L	98%		37-130	2
Heptachlor epoxide	1.037	ND	1.000	ug/L	104%		43-130	2
Endosulfan I	1.061	ND	1.000	ug/L	106%		46-130	2
Dieldrin	1.010	ND	1.000	ug/L	101%		45-130	2
4,4'-DDE	1.104	ND	1.000	ug/L	110%		45-130	2
Endrin	1.114	ND	1.000	ug/L	111%		47-130	2
Endosulfan II	1.091	ND	1.000	ug/L	109%		48-130	2
Endosulfan sulfate	1.112	ND	1.000	ug/L	111%		46-130	2
4,4'-DDD	1.063	ND	1.000	ug/L	106%		43-130	2
Endrin aldehyde	1.054	ND	1.000	ug/L	105%		35-130	2
Endrin ketone	1.165	ND	1.000	ug/L	117%		51-130	2
4,4'-DDT	1.109	ND	1.000	ug/L	111%		48-130	2
Methoxychlor	1.234	ND	1.000	ug/L	123%		44-130	2
Surrogates								
TCMX	0.7963		1.000	ug/L	80%		14-120	2
Decachlorobiphenyl	1.085		1.000	ug/L	109%		20-120	2

Type:	Lab Control Sample	Lab ID:	QC1238710	Batch:	365844
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1238710 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	5.654	5.000	ug/L	113%		36-143
Aroclor-1260	6.222	5.000	ug/L	124%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.5832	0.5000	ug/L	117%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1238711	Batch:	365844
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1238711 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.826	5.000	ug/L	117%		36-143	3	39
Aroclor-1260	6.537	5.000	ug/L	131%		31-153	5	20
Surrogates								
Decachlorobiphenyl (PCB)	0.6115	0.5000	ug/L	122%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1238017	Batch: 365630
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1238017 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	56.05	50.00	ug/L	112%		70-135
MTBE	44.50	50.00	ug/L	89%		70-130
Benzene	49.89	50.00	ug/L	100%		70-130
Trichloroethene	52.01	50.00	ug/L	104%		70-130
Toluene	50.08	50.00	ug/L	100%		70-130
Chlorobenzene	49.82	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	54.24	50.00	ug/L	108%		70-130
1,2-Dichloroethane-d4	49.96	50.00	ug/L	100%		70-130
Toluene-d8	49.36	50.00	ug/L	99%		70-130
Bromofluorobenzene	50.79	50.00	ug/L	102%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1238018	Batch: 365630
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1238018 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.43	50.00	ug/L	107%		70-135	5	30
MTBE	44.68	50.00	ug/L	89%		70-130	0	30
Benzene	48.63	50.00	ug/L	97%		70-130	3	30
Trichloroethene	49.72	50.00	ug/L	99%		70-130	4	30
Toluene	48.41	50.00	ug/L	97%		70-130	3	30
Chlorobenzene	48.46	50.00	ug/L	97%		70-130	3	30
Surrogates								
Dibromofluoromethane	54.35	50.00	ug/L	109%		70-130		
1,2-Dichloroethane-d4	51.36	50.00	ug/L	103%		70-130		
Toluene-d8	49.11	50.00	ug/L	98%		70-130		
Bromofluorobenzene	50.93	50.00	ug/L	102%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1238022**	**Batch:**	**365630**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1238022 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.4	03/12/25	03/12/25
Chloroprene	ND		ug/L	200	0.3	03/12/25	03/12/25
3-Chloropropene	ND		ug/L	5.0	0.5	03/12/25	03/12/25
Ethyl methacrylate	ND		ug/L	50	1.5	03/12/25	03/12/25
Ethanol	ND		ug/L	500	320	03/12/25	03/12/25
2-Hexanone	ND		ug/L	5.0	0.7	03/12/25	03/12/25
Isopropanol (IPA)	ND		ug/L	200	73	03/12/25	03/12/25
Methyl acrylonitrile	ND		ug/L	35	2.3	03/12/25	03/12/25
Vinyl Acetate	ND		ug/L	50	4.3	03/12/25	03/12/25
Acrolein	ND		ug/L	200	2.2	03/12/25	03/12/25
Acrylonitrile	ND		ug/L	10	0.3	03/12/25	03/12/25
Freon 12	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Chloromethane	ND		ug/L	5.0	0.3	03/12/25	03/12/25
Vinyl Chloride	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromomethane	ND		ug/L	5.0	0.4	03/12/25	03/12/25
Chloroethane	ND		ug/L	5.0	0.3	03/12/25	03/12/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	03/12/25	03/12/25
Iodomethane	ND		ug/L	7.6		03/12/25	03/12/25
Acetone	ND		ug/L	100	21	03/12/25	03/12/25
Freon 113	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	03/12/25	03/12/25
Methylene Chloride	ND		ug/L	10	2.4	03/12/25	03/12/25
MTBE	ND		ug/L	5.0	0.09	03/12/25	03/12/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	03/12/25	03/12/25
2-Butanone	ND		ug/L	10	1.7	03/12/25	03/12/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Chloroform	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	03/12/25	03/12/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Benzene	ND		ug/L	1.0	0.1	03/12/25	03/12/25
Trichloroethene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromodichloromethane	ND		ug/L	5.0	0.08	03/12/25	03/12/25
Dibromomethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
4-Methyl-2-Pentanone	ND		ug/L	10	1.0	03/12/25	03/12/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	03/12/25	03/12/25
Toluene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Tetrachloroethene	ND		ug/L	5.0	0.09	03/12/25	03/12/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25

ENTHALPY ANALYTICAL

Batch QC

QC1238022 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.07	03/12/25	03/12/25
Chlorobenzene	ND		ug/L	5.0	0.09	03/12/25	03/12/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Ethylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
m,p-Xylenes	ND		ug/L	5.0	0.2	03/12/25	03/12/25
o-Xylene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Styrene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
Bromoform	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Isopropylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Propylbenzene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
Bromobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/12/25	03/12/25
n-Butylbenzene	ND		ug/L	5.0	0.4	03/12/25	03/12/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/12/25	03/12/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	03/12/25	03/12/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	03/12/25	03/12/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	03/12/25	03/12/25
Naphthalene	ND		ug/L	5.0	0.3	03/12/25	03/12/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/12/25	03/12/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	03/12/25	03/12/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	03/12/25	03/12/25
Xylene (total)	ND		ug/L	5.0		03/12/25	03/12/25
TIC:	ND					03/12/25	03/12/25
Surrogates				**Limits**			
Dibromofluoromethane	105%		%REC	70-130		03/12/25	03/12/25
1,2-Dichloroethane-d4	102%		%REC	70-130		03/12/25	03/12/25
Toluene-d8	98%		%REC	70-130		03/12/25	03/12/25
Bromofluorobenzene	99%		%REC	70-130		03/12/25	03/12/25

Batch QC

Type:	Matrix Spike	Lab ID:	QC1238088	Batch:	365630
Matrix (Source ID):	Water (528068-005)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1238088 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	26.38	3.900	20.00	ug/L	112%		70-130	1
MTBE	17.56	ND	20.00	ug/L	88%		75-130	1
Benzene	20.01	ND	20.00	ug/L	100%		70-130	1
Trichloroethene	22.08	1.082	20.00	ug/L	105%		63-130	1
Toluene	19.95	ND	20.00	ug/L	100%		70-130	1
Chlorobenzene	19.72	ND	20.00	ug/L	99%		70-130	1
Surrogates								
Dibromofluoromethane	52.89		50.00	ug/L	106%		70-130	1
1,2-Dichloroethane-d4	50.31		50.00	ug/L	101%		70-130	1
Toluene-d8	48.63		50.00	ug/L	97%		70-130	1
Bromofluorobenzene	49.75		50.00	ug/L	100%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1238089	Batch:	365630
Matrix (Source ID):	Water (528068-005)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1238089 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	24.56	3.900	20.00	ug/L	103%		70-130	7	30	1
MTBE	17.76	ND	20.00	ug/L	89%		75-130	1	30	1
Benzene	18.91	ND	20.00	ug/L	95%		70-130	6	30	1
Trichloroethene	20.26	1.082	20.00	ug/L	96%		63-130	9	30	1
Toluene	18.90	ND	20.00	ug/L	94%		70-130	5	30	1
Chlorobenzene	19.05	ND	20.00	ug/L	95%		70-130	3	30	1
Surrogates										
Dibromofluoromethane	53.27		50.00	ug/L	107%		70-130			1
1,2-Dichloroethane-d4	52.07		50.00	ug/L	104%		70-130			1
Toluene-d8	48.86		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	49.46		50.00	ug/L	99%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1238046	Batch: 365636
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1238046 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	0.91	03/12/25	03/12/25
Pyridine	ND		ug/L	10	3.6	03/12/25	03/12/25
N-Nitrosodimethylamine	ND		ug/L	10	1.2	03/12/25	03/12/25
Phenol	ND		ug/L	10	1.0	03/12/25	03/12/25
Aniline	ND		ug/L	10	1.8	03/12/25	03/12/25
bis(2-Chloroethyl)ether	ND		ug/L	25	1.6	03/12/25	03/12/25
2-Chlorophenol	ND		ug/L	10	1.5	03/12/25	03/12/25
1,3-Dichlorobenzene	ND		ug/L	10	1.5	03/12/25	03/12/25
1,4-Dichlorobenzene	ND		ug/L	10	1.6	03/12/25	03/12/25
Benzyl alcohol	ND		ug/L	11	11	03/12/25	03/12/25
1,2-Dichlorobenzene	ND		ug/L	10	1.4	03/12/25	03/12/25
2-Methylphenol	ND		ug/L	10	1.6	03/12/25	03/12/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	1.4	03/12/25	03/12/25
3-,4-Methylphenol	ND		ug/L	10	1.8	03/12/25	03/12/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	1.7	03/12/25	03/12/25
Hexachloroethane	ND		ug/L	10	2.2	03/12/25	03/12/25
Nitrobenzene	ND		ug/L	25	12	03/12/25	03/12/25
Isophorone	ND		ug/L	10	1.7	03/12/25	03/12/25
2-Nitrophenol	ND		ug/L	10	7.1	03/12/25	03/12/25
2,4-Dimethylphenol	ND		ug/L	10	5.6	03/12/25	03/12/25
Benzoic acid	ND		ug/L	50	12	03/12/25	03/12/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	1.7	03/12/25	03/12/25
2,4-Dichlorophenol	ND		ug/L	10	2.5	03/12/25	03/12/25
1,2,4-Trichlorobenzene	ND		ug/L	10	1.5	03/12/25	03/12/25
Naphthalene	ND		ug/L	10	1.4	03/12/25	03/12/25
4-Chloroaniline	ND		ug/L	10	2.2	03/12/25	03/12/25
Hexachlorobutadiene	ND		ug/L	10	3.0	03/12/25	03/12/25
4-Chloro-3-methylphenol	ND		ug/L	10	2.0	03/12/25	03/12/25
2-Methylnaphthalene	ND		ug/L	10	1.7	03/12/25	03/12/25
Hexachlorocyclopentadiene	ND		ug/L	25	6.7	03/12/25	03/12/25
2,4,6-Trichlorophenol	ND		ug/L	10	3.3	03/12/25	03/12/25
2,4,5-Trichlorophenol	ND		ug/L	10	3.4	03/12/25	03/12/25
2-Chloronaphthalene	ND		ug/L	10	1.9	03/12/25	03/12/25
2-Nitroaniline	ND		ug/L	50	7.2	03/12/25	03/12/25
Dimethylphthalate	ND		ug/L	10	3.0	03/12/25	03/12/25
Acenaphthylene	ND		ug/L	10	2.1	03/12/25	03/12/25
2,6-Dinitrotoluene	ND		ug/L	10	3.1	03/12/25	03/12/25
3-Nitroaniline	ND		ug/L	10	2.3	03/12/25	03/12/25
Acenaphthene	ND		ug/L	10	1.6	03/12/25	03/12/25
2,4-Dinitrophenol	ND		ug/L	50	4.7	03/12/25	03/12/25
4-Nitrophenol	ND		ug/L	10	4.6	03/12/25	03/12/25
Dibenzofuran	ND		ug/L	10	1.7	03/12/25	03/12/25
2,4-Dinitrotoluene	ND		ug/L	10	2.5	03/12/25	03/12/25
Diethylphthalate	ND		ug/L	10	2.0	03/12/25	03/12/25
Fluorene	ND		ug/L	10	1.7	03/12/25	03/12/25
4-Chlorophenyl-phenylether	ND		ug/L	10	1.9	03/12/25	03/12/25
4-Nitroaniline	ND		ug/L	10	3.7	03/12/25	03/12/25

ENTHALPY ANALYTICAL

Batch QC

QC1238046 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	5.2	03/12/25	03/12/25
N-Nitrosodiphenylamine	ND		ug/L	10	1.6	03/12/25	03/12/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	1.2	03/12/25	03/12/25
4-Bromophenyl-phenylether	ND		ug/L	10	2.3	03/12/25	03/12/25
Hexachlorobenzene	ND		ug/L	10	2.6	03/12/25	03/12/25
Pentachlorophenol	ND		ug/L	25	4.0	03/12/25	03/12/25
Phenanthrene	ND		ug/L	10	1.3	03/12/25	03/12/25
Anthracene	ND		ug/L	10	1.3	03/12/25	03/12/25
Di-n-butylphthalate	ND		ug/L	10	2.0	03/12/25	03/12/25
Fluoranthene	ND		ug/L	10	1.2	03/12/25	03/12/25
Benzidine	ND		ug/L	50	8.8	03/12/25	03/12/25
Pyrene	ND		ug/L	10	1.2	03/12/25	03/12/25
Butylbenzylphthalate	ND		ug/L	10	2.6	03/12/25	03/12/25
3,3'-Dichlorobenzidine	ND		ug/L	25	3.3	03/12/25	03/12/25
Benzo(a)anthracene	ND		ug/L	10	0.81	03/12/25	03/12/25
Chrysene	ND		ug/L	10	0.88	03/12/25	03/12/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.5	03/12/25	03/12/25
Di-n-octylphthalate	ND		ug/L	10	4.8	03/12/25	03/12/25
Benzo(b)fluoranthene	ND		ug/L	10	1.3	03/12/25	03/12/25
Benzo(k)fluoranthene	ND		ug/L	10	1.4	03/12/25	03/12/25
Benzo(a)pyrene	ND		ug/L	10	1.3	03/12/25	03/12/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	2.2	03/12/25	03/12/25
Dibenz(a,h)anthracene	ND		ug/L	10	2.1	03/12/25	03/12/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.8	03/12/25	03/12/25
TIC:2,6-Dichlorophenol	ND		ug/L			03/12/25	03/12/25
TIC:2-Acetylaminofluorene	ND		ug/L			03/12/25	03/12/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			03/12/25	03/12/25
TIC:4-Aminobiphenyl	ND		ug/L			03/12/25	03/12/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			03/12/25	03/12/25
TIC:Acetophenone	ND		ug/L			03/12/25	03/12/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			03/12/25	03/12/25
TIC:Chlorobenzilate	ND		ug/L			03/12/25	03/12/25
TIC:Diallate	ND		ug/L			03/12/25	03/12/25
TIC:Thionazin	ND		ug/L			03/12/25	03/12/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			03/12/25	03/12/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			03/12/25	03/12/25
Surrogates				**Limits**			
2-Fluorophenol	38%		%REC	20-140		03/12/25	03/12/25
Phenol-d6	25%		%REC	20-140		03/12/25	03/12/25
2,4,6-Tribromophenol	66%		%REC	20-140		03/12/25	03/12/25
Nitrobenzene-d5	66%		%REC	20-140		03/12/25	03/12/25
2-Fluorobiphenyl	64%		%REC	20-140		03/12/25	03/12/25
Terphenyl-d14	68%		%REC	20-140		03/12/25	03/12/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238048**	**Batch:**	**365636**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1238048 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	24.63	75.00	ug/L	33%		13-120
2-Chlorophenol	50.18	75.00	ug/L	67%		31-120
1,4-Dichlorobenzene	46.35	75.00	ug/L	62%		24-120
3-,4-Methylphenol	48.91	75.00	ug/L	65%		29-120
N-Nitroso-di-n-propylamine	64.77	75.00	ug/L	86%		32-120
2,4-Dimethylphenol	61.19	75.00	ug/L	82%		25-120
1,2,4-Trichlorobenzene	51.35	75.00	ug/L	68%		26-120
4-Chloro-3-methylphenol	64.13	75.00	ug/L	86%		39-120
2,4,5-Trichlorophenol	62.74	75.00	ug/L	84%		38-120
Acenaphthene	59.00	75.00	ug/L	79%		33-120
4-Nitrophenol	31.19	75.00	ug/L	42%		12-120
2,4-Dinitrotoluene	70.92	75.00	ug/L	95%		46-120
Pentachlorophenol	54.96	75.00	ug/L	73%		37-120
Pyrene	62.99	75.00	ug/L	84%		47-120
Chrysene	62.82	75.00	ug/L	84%		48-120
Benzo(b)fluoranthene	64.98	75.00	ug/L	87%		46-120
Surrogates						
2-Fluorophenol	17.56	40.00	ug/L	44%		20-140
Phenol-d6	12.24	40.00	ug/L	31%		20-140
2,4,6-Tribromophenol	32.69	40.00	ug/L	82%		20-140
Nitrobenzene-d5	30.02	40.00	ug/L	75%		20-140
2-Fluorobiphenyl	29.04	40.00	ug/L	73%		20-140
Terphenyl-d14	32.40	40.00	ug/L	81%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238049**	**Batch:**	**365636**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1238049 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	25.09	75.00	ug/L	33%		13-120	2	62
2-Chlorophenol	51.58	75.00	ug/L	69%		31-120	3	62
1,4-Dichlorobenzene	47.72	75.00	ug/L	64%		24-120	3	64
3-,4-Methylphenol	49.06	75.00	ug/L	65%		29-120	0	62
N-Nitroso-di-n-propylamine	66.64	75.00	ug/L	89%		32-120	3	65
2,4-Dimethylphenol	62.11	75.00	ug/L	83%		25-120	1	64
1,2,4-Trichlorobenzene	52.89	75.00	ug/L	71%		26-120	3	63
4-Chloro-3-methylphenol	64.44	75.00	ug/L	86%		39-120	0	58
2,4,5-Trichlorophenol	65.02	75.00	ug/L	87%		38-120	4	59
Acenaphthene	59.44	75.00	ug/L	79%		33-120	1	52
4-Nitrophenol	30.58	75.00	ug/L	41%		12-120	2	63
2,4-Dinitrotoluene	70.78	75.00	ug/L	94%		46-120	0	41
Pentachlorophenol	55.53	75.00	ug/L	74%		37-120	1	42
Pyrene	63.26	75.00	ug/L	84%		47-120	0	43
Chrysene	61.36	75.00	ug/L	82%		48-120	2	46
Benzo(b)fluoranthene	63.25	75.00	ug/L	84%		46-120	3	47
Surrogates								
2-Fluorophenol	18.75	40.00	ug/L	47%		20-140		
Phenol-d6	12.88	40.00	ug/L	32%		20-140		
2,4,6-Tribromophenol	34.21	40.00	ug/L	86%		20-140		
Nitrobenzene-d5	31.53	40.00	ug/L	79%		20-140		
2-Fluorobiphenyl	30.61	40.00	ug/L	77%		20-140		
Terphenyl-d14	33.14	40.00	ug/L	83%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1238295		**Batch:** 365723
Matrix: Water	**Method:** EPA 8270C-SIM		**Prep Method:** EPA 3510C

QC1238295 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	03/12/25	03/13/25
Naphthalene	ND		ug/L	0.50	0.20	03/12/25	03/13/25
Acenaphthylene	ND		ug/L	0.50	0.21	03/12/25	03/13/25
Acenaphthene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Fluorene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Phenanthrene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
Anthracene	ND		ug/L	0.50	0.18	03/12/25	03/13/25
Fluoranthene	ND		ug/L	0.50	0.17	03/12/25	03/13/25
Pyrene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(a)anthracene	ND		ug/L	0.50	0.15	03/12/25	03/13/25
Chrysene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.16	03/12/25	03/13/25
Benzo(a)pyrene	ND		ug/L	0.50	0.13	03/12/25	03/13/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.14	03/12/25	03/13/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.19	03/12/25	03/13/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.20	03/12/25	03/13/25
Surrogates				**Limits**			
Nitrobenzene-d5	80%		%REC	16-125		03/12/25	03/13/25
2-Fluorobiphenyl	79%		%REC	17-120		03/12/25	03/13/25
Terphenyl-d14	96%		%REC	39-123		03/12/25	03/13/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238296**	**Batch:**	**365723**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1238296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.179	4.000	ug/L	79%		23-120
2-Methylnaphthalene	3.094	4.000	ug/L	77%		33-120
Naphthalene	3.072	4.000	ug/L	77%		38-120
Acenaphthylene	3.059	4.000	ug/L	76%		37-120
Acenaphthene	2.980	4.000	ug/L	74%		39-120
Fluorene	3.136	4.000	ug/L	78%		43-120
Phenanthrene	3.113	4.000	ug/L	78%		42-120
Anthracene	3.196	4.000	ug/L	80%		42-120
Fluoranthene	3.230	4.000	ug/L	81%		48-120
Pyrene	3.235	4.000	ug/L	81%		44-120
Benzo(a)anthracene	3.419	4.000	ug/L	85%		51-126
Chrysene	3.393	4.000	ug/L	85%		47-120
Benzo(b)fluoranthene	3.207	4.000	ug/L	80%		44-127
Benzo(k)fluoranthene	3.253	4.000	ug/L	81%		43-127
Benzo(a)pyrene	3.181	4.000	ug/L	80%		29-124
Indeno(1,2,3-cd)pyrene	3.666	4.000	ug/L	92%		44-127
Dibenz(a,h)anthracene	3.744	4.000	ug/L	94%		55-120
Benzo(g,h,i)perylene	3.715	4.000	ug/L	93%		46-120
Surrogates						
Nitrobenzene-d5	3.001	4.000	ug/L	75%		16-125
2-Fluorobiphenyl	3.042	4.000	ug/L	76%		17-120
Terphenyl-d14	3.532	4.000	ug/L	88%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238297**	**Batch:**	**365723**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1238297 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.347	4.000	ug/L	84%		23-120	5	20
2-Methylnaphthalene	3.263	4.000	ug/L	82%		33-120	5	20
Naphthalene	3.236	4.000	ug/L	81%		38-120	5	20
Acenaphthylene	3.309	4.000	ug/L	83%		37-120	8	20
Acenaphthene	3.141	4.000	ug/L	79%		39-120	5	20
Fluorene	3.327	4.000	ug/L	83%		43-120	6	20
Phenanthrene	3.185	4.000	ug/L	80%		42-120	2	20
Anthracene	3.277	4.000	ug/L	82%		42-120	3	20
Fluoranthene	3.226	4.000	ug/L	81%		48-120	0	20
Pyrene	3.224	4.000	ug/L	81%		44-120	0	20
Benzo(a)anthracene	3.470	4.000	ug/L	87%		51-126	1	20
Chrysene	3.473	4.000	ug/L	87%		47-120	2	20
Benzo(b)fluoranthene	3.300	4.000	ug/L	83%		44-127	3	20
Benzo(k)fluoranthene	3.375	4.000	ug/L	84%		43-127	4	20
Benzo(a)pyrene	3.345	4.000	ug/L	84%		29-124	5	20
Indeno(1,2,3-cd)pyrene	3.619	4.000	ug/L	90%		44-127	1	20
Dibenz(a,h)anthracene	3.687	4.000	ug/L	92%		55-120	2	20
Benzo(g,h,i)perylene	3.675	4.000	ug/L	92%		46-120	1	20
Surrogates								
Nitrobenzene-d5	3.174	4.000	ug/L	79%		16-125		
2-Fluorobiphenyl	3.247	4.000	ug/L	81%		17-120		
Terphenyl-d14	3.526	4.000	ug/L	88%		39-123		

Type:	**Blank**	**Lab ID:**	**QC1239833**	**Batch:**	**366177**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1239833 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	03/17/25	03/18/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239834**	**Batch:**	**366177**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1239834 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1023	0.1000	mg/L	102%		76-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1239835**	**Batch:**	**366177**
Matrix (Source ID):	**Water (528198-002)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1239835 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1039	ND	0.1000	mg/L	104%		65-121	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239836	Batch:	366177
Matrix (Source ID):	Water (528198-002)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1239836 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.09892	ND	0.1000	mg/L	99%		65-121	5	30	0.5

Type:	Blank	Lab ID:	QC1239387	Batch:	366053
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1239387 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/15/25	03/15/25

Type:	Lab Control Sample	Lab ID:	QC1239388	Batch:	366053
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1239388 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1239389	Batch:	366053
Matrix (Source ID):	Water (528520-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1239389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1239390	Batch:	366053
Matrix (Source ID):	Water (528520-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1239390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

* Value is outside QC limits
DO Diluted Out
J Estimated value
ND Not Detected
b See narrative

Laboratory Job Number 528551

Subcontracted Products

Pace Laboratories

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 25, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528551
Pace Project No.: 30765497

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 528551
Pace Project No.: 30765497

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30765497001	**SOUTH BASIN WEST INLET**	Water	03/11/25 12:30	03/14/25 14:40
30765497002	**SOUTH BASIN EAST INLET**	Water	03/11/25 13:00	03/14/25 14:40

REPORT OF LABORATORY ANALYSIS

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30765497

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504281

Subcontract Laboratory: 2504281
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	11-MAR-2025 12:30	528551-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN EAST INLET	11-MAR-2025 13:00	528551-002	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	D. Whitmore EA-QRA	
	Date: 3/12/25 1645	Date: 3/14/25 1440
	Date:	Date:
	Date:	Date:

CHK BY JW ON SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 2504281

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☒ NO ☐
(W) / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received
☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274

Temperature: (A) 3.1 °C / (C) 3.1 °C

Date/Time 3/14/25

Analyst Init JCM 1440

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:_____

Sample Numbering Completed By: JCM Date/Time: 3/15/25 0900

A = Actual / C = Corrected

Date of Report: 03/24/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project:	[none]
Pace Project:	Chiquita Canyon Landfill Stormwater
Pace Work Order:	2504281
Invoice ID:	B514110

Enclosed are the results of analyses for samples received by the laboratory on 3/15/2025. If you have any questions concerning this report, please feel free to contact me.

Revised Report: This report supersedes Report ID 1001578802

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504281

Subcontract Laboratory: 2504281
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	11-MAR-2025 12:30	528551-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN EAST INLET	11-MAR-2025 13:00	528551-002	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	D. Whitmore EA-ORA	
	Date: 3/12/25 1645	Date: 3/14/25 1440
	Date:	Date:
	Date:	Date:

CHK BY ON
SUB OUT

1 of 1

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ENVIRONMENTAL SCIENCES

Chain of Custody and Cooler Receipt Form for 2504281 Page 2 of 2

PACE ANALYTICAL	COOLER RECEIPT FORM	Page 1 Of 1
Submission #: 2504281		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	(W) / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274

Temperature: (A) 3.1 °C / (C) 3.1 °C

Date/Time 3/14/25

Analyst Init JCM 1440

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JCM Date/Time: 3/15/25 0900

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2504281-01	**COC Number:**	---	**Receive Date:**	03/15/2025 14:40
	Project Number:	---	**Sampling Date:**	03/11/2025 12:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	South Basin West Inlet	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water
2504281-02	**COC Number:**	---	**Receive Date:**	03/15/2025 14:40
	Project Number:	---	**Sampling Date:**	03/11/2025 13:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	South Basin East Inlet	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2504281-01 | **Client Sample Name:** South Basin West Inlet, 3/11/2025 12:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	115	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	03/17/25 10:00	03/19/25 02:02	HAH	GC-18	1.020	B208478	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2504281-02 | **Client Sample Name:** South Basin East Inlet, 3/11/2025 1:00:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	2.5	0.60	EPA-8141A	ND	A10	1
Bolstar	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Chlorpyrifos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Coumaphos	ND	ug/L	2.5	0.55	EPA-8141A	ND	A10	1
Demeton O/S	ND	ug/L	1.0	0.28	EPA-8141A	ND	A10	1
Diazinon	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Dichlorvos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Disulfoton	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Ethoprop	ND	ug/L	1.0	0.26	EPA-8141A	ND	A10	1
Fensulfothion	ND	ug/L	1.0	0.26	EPA-8141A	ND	A10	1
Fenthion	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Merphos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Methyl parathion	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Mevinphos	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Naled	ND	ug/L	2.5	0.85	EPA-8141A	ND	A10	1
Phorate	ND	ug/L	1.0	0.33	EPA-8141A	ND	A10	1
Ronnel (Fenchlorphos)	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Stirophos (Tetrachlorvinphos)	ND	ug/L	1.0	0.41	EPA-8141A	ND	A10	1
Tokuthion (Prothiofos)	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Trichloronate	ND	ug/L	1.0	0.25	EPA-8141A	ND	A10	1
Triphenylphosphate (Surrogate)	55.0	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	03/17/25 10:00	03/19/25 02:31	HAH	GC-18	5	B208478	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B208478							
Azinphos methyl	B208478-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B208478-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B208478-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B208478-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B208478-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B208478-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B208478-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B208478-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B208478-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B208478-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B208478-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B208478-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B208478-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B208478-BLK1	ND	ug/L	0.20	0.050		1
Naled	B208478-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B208478-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B208478-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B208478-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B208478-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B208478-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	**B208478-BLK1**	**77.4**	%	**50 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208478-BLK1	PB	EPA-8141A	03/17/25	03/18/25 23:05	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B208478											
Bolstar	B208478-BS1	LCS	1.9450	2.0000	ug/L	97.2		50 - 130			1
	B208478-BSD1	LCSD	1.7100	2.0000	ug/L	85.5	12.9	50 - 130	30		2
Chlorpyrifos	B208478-BS1	LCS	1.8600	2.0000	ug/L	93.0		60 - 120			1
	B208478-BSD1	LCSD	1.6700	2.0000	ug/L	83.5	10.8	60 - 120	30		2
Diazinon	B208478-BS1	LCS	2.1550	2.0000	ug/L	108		60 - 130			1
	B208478-BSD1	LCSD	1.6850	2.0000	ug/L	84.2	24.5	60 - 130	30		2
Methyl parathion	B208478-BS1	LCS	1.9350	2.0000	ug/L	96.8		60 - 120			1
	B208478-BSD1	LCSD	1.6800	2.0000	ug/L	84.0	14.1	60 - 120	30		2
Mevinphos	**B208478-BS1**	LCS	**2.4300**	**2.0000**	**ug/L**	**122**		**50 - 120**		**L01**	1
	B208478-BSD1	LCSD	**2.0300**	**2.0000**	**ug/L**	**102**	**17.9**	**50 - 120**	**30**		2
Ronnel (Fenchlorphos)	B208478-BS1	LCS	1.9050	2.0000	ug/L	95.2		50 - 120			1
	B208478-BSD1	LCSD	1.5450	2.0000	ug/L	77.2	20.9	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	B208478-BS1	LCS	2.0000	2.0000	ug/L	100		50 - 120			1
	B208478-BSD1	LCSD	1.6100	2.0000	ug/L	80.5	21.6	50 - 120	30		2
Triphenylphosphate (Surrogate)	B208478-BS1	LCS	2.7050	2.5000	ug/L	108		50 - 130			1
	B208478-BSD1	LCSD	2.1750	2.5000	ug/L	87.0	21.7	50 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208478-BS1	LCS	EPA-8141A	03/17/25	03/18/25 23:34	HAH	GC-18	1
2	B208478-BSD1	LCSD	EPA-8141A	03/17/25	03/19/25 00:04	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.

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Laboratory Job Number 528551

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2503B18

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-258551

Project Location:
Project Received: 03/17/2025

Analytical Report reviewed & approved for release on 03/26/2025 by:

Yen Cao

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B18

Project: EO-258551

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503B18

Project: EO-258551

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B18
Date Received:	03/17/2025 11:38	**Extraction Method:**	SW8151A
Date Prepared:	03/18/2025	**Analytical Method:**	SW8151A
Project:	EO-258551	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN WEST INLET	2503B18-001A	Water	03/11/2025 12:30	GC15A 03212563.D	313479

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	1.3	5.0	5	03/22/2025 10:48
Bentazon	ND	2.0	5.0	5	03/22/2025 10:48
Chloramben	ND	1.6	5.0	5	03/22/2025 10:48
2,4-D (Dichlorophenoxyacetic acid)	ND	0.30	1.0	5	03/22/2025 10:48
2,4-DB	ND	1.0	5.0	5	03/22/2025 10:48
Dalapon	ND	2.0	5.0	5	03/22/2025 10:48
DCPA (mono & diacid)	ND	0.70	5.0	5	03/22/2025 10:48
Dicamba	ND	0.30	1.0	5	03/22/2025 10:48
3,5-Dichlorobenzoic Acid	ND	0.95	5.0	5	03/22/2025 10:48
Dichloroprop	ND	0.90	5.0	5	03/22/2025 10:48
Dinoseb (DNBP)	ND	0.90	5.0	5	03/22/2025 10:48
MCPA	ND	7.0	10	5	03/22/2025 10:48
MCPP	ND	3.8	10	5	03/22/2025 10:48
4-Nitrophenol	ND	2.5	5.0	5	03/22/2025 10:48
Pentachlorophenol (PCP)	ND	0.28	1.0	5	03/22/2025 10:48
Picloram	ND	1.8	5.0	5	03/22/2025 10:48
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.28	1.0	5	03/22/2025 10:48
2,4,5-TP (Silvex)	ND	0.70	2.5	5	03/22/2025 10:48

Surrogates	REC (%)	Limits	
DCAA	98	60-140	03/22/2025 10:48

Analyst(s): DP Analytical Comments: a3

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B18
Date Received:	03/17/2025 11:38	**Extraction Method:**	SW8151A
Date Prepared:	03/18/2025	**Analytical Method:**	SW8151A
Project:	EO-258551	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN EAST INLET	2503B18-002A	Water	03/11/2025 13:00	GC15A 03212564.D	313479

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	03/22/2025 11:13
Bentazon	ND	4.1	10	10	03/22/2025 11:13
Chloramben	ND	3.1	10	10	03/22/2025 11:13
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	03/22/2025 11:13
2,4-DB	ND	2.1	10	10	03/22/2025 11:13
Dalapon	ND	3.9	10	10	03/22/2025 11:13
DCPA (mono & diacid)	ND	1.4	10	10	03/22/2025 11:13
Dicamba	ND	0.59	2.0	10	03/22/2025 11:13
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	03/22/2025 11:13
Dichloroprop	ND	1.8	10	10	03/22/2025 11:13
Dinoseb (DNBP)	ND	1.8	10	10	03/22/2025 11:13
MCPA	ND	14	20	10	03/22/2025 11:13
MCPP	ND	7.7	20	10	03/22/2025 11:13
4-Nitrophenol	ND	5.0	10	10	03/22/2025 11:13
Pentachlorophenol (PCP)	ND	0.55	2.0	10	03/22/2025 11:13
Picloram	ND	3.5	10	10	03/22/2025 11:13
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	03/22/2025 11:13
2,4,5-TP (Silvex)	ND	1.4	5.0	10	03/22/2025 11:13

Surrogates	REC (%)	Limits	
DCAA	86	60-140	03/22/2025 11:13

Analyst(s): DP Analytical Comments: a3

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B18
Date Prepared:	03/18/2025	**BatchID:**	313479
Date Analyzed:	03/22/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-258551	**Sample ID:**	MB/LCS/LCSD-313479

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.7			10	97	70-130

(Cont.)

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503B18
Date Prepared:	03/18/2025	**BatchID:**	313479
Date Analyzed:	03/22/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-258551	**Sample ID:**	MB/LCS/LCSD-313479

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	11	10	10	114	100	70-130	13.1	30
Bentazon	12	12	10	123	116	70-130	5.95	30
Chloramben	12	11	10	119	113	70-130	5.10	30
2,4-D (Dichlorophenoxyacetic acid)	12	11	10	116	108	70-130	6.64	30
2,4-DB	11	11	10	113	106	70-130	6.72	30
Dalapon	11	11	10	112	112	70-130	0.0678	30
DCPA (mono & diacid)	12	11	10	116	110	70-130	5.81	30
Dicamba	11	11	10	110	108	70-130	2.47	30
3,5-Dichlorobenzoic Acid	11	10	10	109	105	70-130	3.92	30
Dichloroprop	11	11	10	113	109	70-130	3.59	30
Dinoseb (DNBP)	12	11	10	120	110	70-130	8.82	30
MCPA	89	90	100	89	90	70-130	1.50	30
MCPP	100	100	100	103	101	70-130	1.63	30
4-Nitrophenol	9.0	8.7	10	90	87	70-130	3.77	30
Pentachlorophenol (PCP)	11	11	10	111	107	70-130	3.80	30
Picloram	11	11	10	112	110	70-130	1.93	30
2,4,5-T (Trichlorophenoxy acetic acid)	11	12	10	113	116	70-130	1.93	30
2,4,5-TP (Silvex)	11	11	10	115	110	70-130	3.94	30
Surrogate Recovery								
DCAA	12	11	10	117	113	70-130	3.45	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503B18 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-258551

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **03/17/2025**
Date Logged: **03/17/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503B18-001	SOUTH BASIN WEST INLET	Water	3/11/2025 12:30	☐	A	A										
2503B18-002	SOUTH BASIN EAST INLET	Water	3/11/2025 13:00	☐	A	A										

Test Legend:

1	8151_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Emily Perez

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-258551 **Work Order:** 2503B18
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN WEST INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/11/2025 12:30	2 days	3/19/2025	Present	☐	☐
002A	SOUTH BASIN EAST INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/11/2025 13:00	2 days	3/19/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2503B18

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	11-MAR-2025 12:30	528551-001	1	Water	EPA 8151A Chlorinated Herbicides	
SOUTH BASIN EAST INLET	11-MAR-2025 13:00	528551-002	1	Water	EPA 8151A Chlorinated Herbicides	

Notes:	Relinquished By:	Received By:
	J. Quintero EA-ORA	
	Date: 3/12/25 1645	Date:
		Emily R
	Date:	Date: 3/14/25 1138
	Date:	Date:

GIS: 562751289

2.2 wet
IR30

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/17/2025 11:38
Project:	EO-258551	Date Logged:	3/17/2025
		Received by:	
WorkOrder №:	2503B18 Matrix:	Logged by:	Emily Perez
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.2°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Laboratory Job Number 528551

Subcontracted Products

Enthalpy - El Dorado Hills

March 28, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2503132

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 14, 2025 under your Project Name 'EO-528551'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2503132
Case Narrative

Sample Condition on Receipt:

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2503132-01	SOUTH BASIN WEST INLET	11-Mar-25 12:30	14-Mar-25 11:14	Amber Glass NM Bottle, 1L
2503132-02	SOUTH BASIN EAST INLET	11-Mar-25 13:00	14-Mar-25 11:14	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 8290A

Client Data

Name: Enthalpy Analytical
Project: EO-528551
Matrix: Aqueous

Laboratory Data

Lab Sample: B25C306-BLK1
QC Batch: B25C306
Sample Size: 1.00 L
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		26-Mar-25 15:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	88.6	40 - 135		26-Mar-25 15:38	1
37Cl-2,3,7,8-TCDD	CRS	113	40 - 135		26-Mar-25 15:38	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: OPR **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-528551
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C306-BS1
QC Batch: B25C306 Date Extracted: 25-Mar-25 04:05
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	197	200	98.4	70-130		26-Mar-25 12:58	1
Labeled Standards	**Type**		**% Recovery**	**Limits**	**Qualifiers**	**Analyzed**	**Dilution**
13C-2,3,7,8-TCDD	IS		92.1	40-135		26-Mar-25 12:58	1
37Cl-2,3,7,8-TCDD	CRS		106	40-135		26-Mar-25 12:58	1

Sample ID: SOUTH BASIN WEST INLET **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-528551
Matrix: Water
Date Collected: 11-Mar-25 12:30

Laboratory Data

Lab Sample: 2503132-01
QC Batch: B25C306
Sample Size: 0.967 L
Date Received: 14-Mar-25 11:14
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.84	5.17		26-Mar-25 18:39	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	96.0	40 - 135		26-Mar-25 18:39	1
37Cl-2,3,7,8-TCDD	CRS	101	40 - 135		26-Mar-25 18:39	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: SOUTH BASIN EAST INLET **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-528551
Matrix: Water
Date Collected: 11-Mar-25 13:00

Laboratory Data

Lab Sample: 2503132-02
QC Batch: B25C306
Sample Size: 0.503 L
Date Received: 14-Mar-25 11:14
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	5.61	3.54	9.95	J	26-Mar-25 19:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	120	40 - 135		26-Mar-25 19:25	1
37Cl-2,3,7,8-TCDD	CRS	132	40 - 135		26-Mar-25 19:25	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503132 1.6°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill Stormwater

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	11-MAR-2025 12:30	528551-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	
SOUTH BASIN EAST INLET	11-MAR-2025 13:00	528551-002	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	J. Quintero EA-ORA	W Spann
	Date: 3/12/25 1645	Date: 03/14/25 1114
	Date:	Date:
	Date:	Date:

1 of 1

CoC/Label Reconciliation Report WO# 2503132

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2503132-01	A SOUTH BASIN WEST INLET	☑ (a)	528551-001	11-Mar-25 12:30	☑ (a)	Amber Glass WM Bottle, 1L	Aqueous	
2503132-02	A SOUTH BASIN EAST INLET	☑ (B)	528551-002	11-Mar-25 13:00	☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments: (a) no backup volume received
(B) particulate present

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: WWS 03/14/25
KS 03/14/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528895
Report Level : II
Report Date : 03/28/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	528895
Project No:	SW - IGP
Location:	Stormwater - IGP
Date Received:	03/14/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN STAGE 2	528895-001	03/14/25 13:30	Water
SOUTH BASIN OUTLET	528895-002	03/14/25 13:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528895 Project No: SW - IGP Location: Stormwater - IGP Date Received: 03/14/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528895

Page: 2 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL COLIFORM, E. COLI	200.7 Fe	300.0 CHLORIDE	OIL AND GREESE	TSS					
1	SOUTH BASIN STAGE 2	03/14/25	1330	W	5	6,2,4,1	X	X	X	X	X					
2	SOUTH BASIN OUTLET	03/14/25	1300	W	5	6,2,4,1	X	X	X	X	X					
3																
4																
5																
6																
7																
8																
9																
10																

Analysis Request

Test Instructions / Commen

IGP

9.2

9.3 IR 11

Email report to:

Login 528895

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Mathias H	CTEH	3/14/25 1900
[1] Received By:	Hoss Davari	Hoss Davari	EA	3/14/25 18:00
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 03/14/25 WO# 528895 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging GCM 3/14/25 ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) ~~DX~~ HXD/DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: GCM 9.3 / 9.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels? AMD 3/14/25	~~X~~	X	
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

Sample -001: Metals bottle is not preserved.

☐ **No additional discrepancies**

Date Logged 03/14/25 **By (print)** FPDIWA **(sign)** _____

Date Labeled 03/14/25 **By (print)** DEP/TLK/NCM **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528895

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528895
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 03/14/25

Sample ID: SOUTH BASIN STAGE 2 **Lab ID: 528895-001** **Collected: 03/14/25 13:30**
Matrix: Water

528895-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	4.9	2.0	0.99	366741	03/22/25	03/23/25	HXO
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**1.3**		mg/L	0.046	0.046	1	366165	03/17/25	03/17/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**48**		mg/L	1.0	0.27	1	365967	03/14/25 14:30	03/15/25 00:01	BPH
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	366016	03/14/25 18:20	03/16/25 14:51	BLV
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	366016	03/14/25 18:20	03/16/25 14:51	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**60**		mg/L	0.5		1	366593	03/20/25	03/21/25	TRR

Sample ID: SOUTH BASIN OUTLET **Lab ID: 528895-002** **Collected: 03/14/25 13:00**
Matrix: Water

528895-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	4.9	2.0	0.99	366741	03/22/25	03/23/25	HXO
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**1.7**		mg/L	0.046	0.046	1	366165	03/17/25	03/17/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**46**		mg/L	1.0	0.27	1	365967	03/14/25 14:30	03/15/25 00:43	BPH
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	366016	03/14/25 18:20	03/16/25 14:51	BLV
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	366016	03/14/25 18:20	03/16/25 14:51	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**66**		mg/L	0.5		1	366593	03/20/25	03/21/25	TRR

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528895

> Value exceeds indicated concentration
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1241702	Batch: 366741
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1241702 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	03/22/25	03/23/25

Type: Lab Control Sample	Lab ID: QC1241703	Batch: 366741
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1241703 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.20	40.00	mg/L	88%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1241704	Batch: 366741
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1241704 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.10	40.00	mg/L	93%		78-114	5	18

Type: Blank	Lab ID: QC1239784	Batch: 366165
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239784 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.046	0.046	03/17/25	03/17/25

Type: Lab Control Sample	Lab ID: QC1239785	Batch: 366165
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239785 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3791	0.4000	mg/L	95%		85-115

Type: Matrix Spike	Lab ID: QC1239786	Batch: 366165
Matrix (Source ID): Filtrate (528783-008)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239786 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.3584	ND	0.4000	mg/L	90%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1239787	Batch: 366165
Matrix (Source ID): Filtrate (528783-008)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239787 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.3651	ND	0.4000	mg/L	91%		75-125	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Serial Dilution	Lab ID:	QC1239818	Batch:	366165
Matrix (Source ID):	Filtrate (528783-008)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239818 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	ND	ND	mg/L				5

Type:	Blank	Lab ID:	QC1239098	Batch:	365967
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1239098 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	03/14/25 14:30	03/14/25 14:58

Type:	Lab Control Sample	Lab ID:	QC1239099	Batch:	365967
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1239099 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.20	50.00	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC1239100	Batch:	365967
Matrix (Source ID):	Water (528688-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1239100 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	192.5	99.01	100.0	mg/L	93%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1239101	Batch:	365967
Matrix (Source ID):	Water (528688-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1239101 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	193.4	99.01	100.0	mg/L	94%		80-120	0	20	1

Type:	Matrix Spike	Lab ID:	QC1239102	Batch:	365967
Matrix (Source ID):	Water (528844-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1239102 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	152.1	51.36	100.0	mg/L	101%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1239103	**Batch:**	365967
Matrix (Source ID):	Water (528844-001)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1239103 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	152.7	51.36	100.0	mg/L	101%		80-120	0	20	1

Type:	Blank	**Lab ID:**	QC1241195	**Batch:**	366593
Matrix:	Water	**Method:**	SM2540D	**Prep Method:**	METHOD

QC1241195 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		03/20/25	03/21/25

Type:	Lab Control Sample	**Lab ID:**	QC1241196	**Batch:**	366593
Matrix:	Water	**Method:**	SM2540D	**Prep Method:**	METHOD

QC1241196 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	99.80	100.0	mg/L	100%		90-110

Type:	Lab Control Sample Duplicate	**Lab ID:**	QC1241197	**Batch:**	366593
Matrix:	Water	**Method:**	SM2540D	**Prep Method:**	METHOD

QC1241197 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	100.2	100.0	mg/L	100%		90-110	0	5

Type:	Sample Duplicate	**Lab ID:**	QC1241198	**Batch:**	366593
Matrix (Source ID):	Water (528426-006)	**Method:**	SM2540D	**Prep Method:**	METHOD

QC1241198 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	99.00	101.0	mg/L		2	5	1

Type:	Sample Duplicate	**Lab ID:**	QC1241199	**Batch:**	366593
Matrix (Source ID):	Water (528960-001)	**Method:**	SM2540D	**Prep Method:**	METHOD

QC1241199 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	87.00	86.00	mg/L		1	5	1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528894
Report Level : II
Report Date : 04/01/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - SW - SUBCHAPTER

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	528894 SW - SUBCHAPTER N SW - SUBCHAPTER 03/14/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN STAGE 2	528894-001	03/14/25 13:30	Water
SOUTH BASIN OUTLET	528894-002	03/14/25 13:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528894 Project No: SW - SUBCHAPTER N Location: SW - SUBCHAPTER Date Received: 03/14/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.

Semivolatile Organics by GC/MS (EPA 625.1):

- SOUTH BASIN STAGE 2 (lab # 528894-001) and SOUTH BASIN OUTLET (lab # 528894-002) were diluted due to the dark color of the sample extracts.
- No other analytical problems were encountered.

Metals (EPA 200.8):
No analytical problems were encountered.

Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

- High recovery was observed for ammonia-N in the MS for batch 367523; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528894

Page: 1 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

Test Instructions / Commen

SUBCHAPTER N

9.2

9.3 IR11

Email report to:

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	200.8 CHROMIUM, ZINC, ARSENIC	625	AMMONIA	BOD
1	SOUTH BASIN STAGE 2	03/14/25	1330	W	4	6,2,4,1	X	X	X	X
2	SOUTH BASIN OUTLET	03/14/25	1300	W	4	6,2,4,1	X	X	X	X
3										
4										
5										
6										
7										
8										
9										
10										

Login 528894

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Matt Jessie	CTEH	3/14/25 1800
[1] Received By:		Hoss Darabi	EA	3/14/25 18:0
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 03/14/25 WO# 528894 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) HXD / DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: GCm 9.3 / 9.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 03/14/25 **By (print)** FPDIWA **(sign)** _____

Date Labeled 03/14/25 **By (print)** DEP ITLK **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528894

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528894
Project No: SW - SUBCHAPTER N
Location: SW - SUBCHAPTER
Date Received: 03/14/25

Sample ID: SOUTH BASIN STAGE 2 **Lab ID: 528894-001** **Collected: 03/14/25 13:30**
Matrix: Water

528894-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**5.6**		ug/L	2.0	0.22	1	366062	03/15/25	03/17/25	KAM
Chromium	**3.2**	J	ug/L	5.0	0.34	1	366062	03/15/25	03/17/25	KAM
Zinc	**15**		ug/L	10	7.4	1	366062	03/15/25	03/17/25	KAM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.57**		mg/L	0.10	0.050	1	367523	03/31/25	03/31/25	DAD
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	ND		ug/L	96	24	1.9	365908	03/15/25	03/15/25	TJW
Pyridine	ND		ug/L	19	6.9	1.9	365908	03/15/25	03/15/25	TJW
Phenol	ND		ug/L	19	2.0	1.9	365908	03/15/25	03/15/25	TJW
2-Methylphenol	ND		ug/L	19	3.1	1.9	365908	03/15/25	03/15/25	TJW
3-,4-Methylphenol	ND		ug/L	19	3.4	1.9	365908	03/15/25	03/15/25	TJW
Naphthalene	ND		ug/L	19	2.8	1.9	365908	03/15/25	03/15/25	TJW
Cresol	ND		ug/L	19		1.9	365908	03/15/25	03/15/25	TJW
TIC:a-Terpineol	ND		ug/L			1.9	365908	03/15/25	03/15/25	TJW
Surrogates				**Limits**						
2-Fluorophenol	52%		%REC	10-140		1.9	365908	03/15/25	03/15/25	TJW
Phenol-d6	36%		%REC	10-140		1.9	365908	03/15/25	03/15/25	TJW
2,4,6-Tribromophenol	78%		%REC	12-140		1.9	365908	03/15/25	03/15/25	TJW
Nitrobenzene-d5	85%		%REC	10-140		1.9	365908	03/15/25	03/15/25	TJW
2-Fluorobiphenyl	72%		%REC	11-140		1.9	365908	03/15/25	03/15/25	TJW
Terphenyl-d14	58%		%REC	20-140		1.9	365908	03/15/25	03/15/25	TJW
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**23**		mg/L	3.0		1	365992	03/14/25 19:57	03/19/25 19:38	AAB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528894

Sample ID: SOUTH BASIN OUTLET	Lab ID: 528894-002	Collected: 03/14/25 13:00
	Matrix: Water	

528894-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Arsenic	**5.9**		ug/L	2.0	0.22	1	366062	03/15/25	03/17/25	KAM
Chromium	**2.9**	J	ug/L	5.0	0.34	1	366062	03/15/25	03/17/25	KAM
Zinc	**38**		ug/L	10	7.4	1	366062	03/15/25	03/17/25	KAM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.62**		mg/L	0.10	0.050	1	367523	03/31/25	03/31/25	DAD
Method: EPA 625.1 Prep Method: EPA 3510C										
Benzoic acid	ND		ug/L	240	59	4.8	365908	03/15/25	03/15/25	TJW
Pyridine	ND		ug/L	48	17	4.8	365908	03/15/25	03/15/25	TJW
Phenol	ND		ug/L	48	4.9	4.8	365908	03/15/25	03/15/25	TJW
2-Methylphenol	ND		ug/L	48	7.8	4.8	365908	03/15/25	03/15/25	TJW
3-,4-Methylphenol	ND		ug/L	48	8.6	4.8	365908	03/15/25	03/15/25	TJW
Naphthalene	ND		ug/L	48	6.9	4.8	365908	03/15/25	03/15/25	TJW
Cresol	ND		ug/L	48		4.8	365908	03/15/25	03/15/25	TJW
TIC:a-Terpineol	ND		ug/L			4.8	365908	03/15/25	03/15/25	TJW
Surrogates				**Limits**						
2-Fluorophenol	54%		%REC	10-140		4.8	365908	03/15/25	03/15/25	TJW
Phenol-d6	41%		%REC	10-140		4.8	365908	03/15/25	03/15/25	TJW
2,4,6-Tribromophenol	92%		%REC	12-140		4.8	365908	03/15/25	03/15/25	TJW
Nitrobenzene-d5	92%		%REC	10-140		4.8	365908	03/15/25	03/15/25	TJW
2-Fluorobiphenyl	81%		%REC	11-140		4.8	365908	03/15/25	03/15/25	TJW
Terphenyl-d14	76%		%REC	20-140		4.8	365908	03/15/25	03/15/25	TJW
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**36**		mg/L	3.0		1	365992	03/14/25 19:57	03/19/25 19:38	AAB

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1239420	**Batch:** 366062
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 3015A

QC1239420 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.38	03/15/25	03/17/25
Chromium	ND		ug/L	5.0	0.24	03/15/25	03/17/25
Zinc	ND		ug/L	10	7.4	03/15/25	03/17/25

Type: Lab Control Sample	**Lab ID:** QC1239421	**Batch:** 366062
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 3015A

QC1239421 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	99.23	100.0	ug/L	99%		85-115
Chromium	102.1	100.0	ug/L	102%		85-115
Zinc	105.0	100.0	ug/L	105%		85-115

Type: Matrix Spike	**Lab ID:** QC1239422	**Batch:** 366062
Matrix (Source ID): Water (528927-001)	**Method:** EPA 200.8	**Prep Method:** EPA 3015A

QC1239422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	99.93	0.2247	100.0	ug/L	100%		70-130	5
Chromium	103.6	1.034	100.0	ug/L	103%		70-130	5
Zinc	215.5	124.7	100.0	ug/L	91%		70-130	5

Type: Matrix Spike Duplicate	**Lab ID:** QC1239423	**Batch:** 366062
Matrix (Source ID): Water (528927-001)	**Method:** EPA 200.8	**Prep Method:** EPA 3015A

QC1239423 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	101.8	0.2247	100.0	ug/L	102%		70-130	2	20	5
Chromium	107.3	1.034	100.0	ug/L	106%		70-130	4	20	5
Zinc	215.5	124.7	100.0	ug/L	91%		70-130	0	20	5

Type: Matrix Spike	**Lab ID:** QC1239424	**Batch:** 366062
Matrix (Source ID): Water (528927-002)	**Method:** EPA 200.8	**Prep Method:** EPA 3015A

QC1239424 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	105.4	ND	100.0	ug/L	105%		70-130	10
Chromium	106.4	ND	100.0	ug/L	106%		70-130	10
Zinc	703.0	609.3	100.0	ug/L	94%	NM	70-130	10

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239425	Batch:	366062
Matrix (Source ID):	Water (528927-002)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1239425 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	102.8	ND	100.0	ug/L	103%		70-130	3	20	10
Chromium	107.2	ND	100.0	ug/L	107%		70-130	1	20	10
Zinc	707.9	609.3	100.0	ug/L	99%	NM	70-130	1	20	10

Type:	Matrix Spike	Lab ID:	QC1244329	Batch:	367523
Matrix (Source ID):	Water (528665-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1244329 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.046	ND	1.000	mg/L	105%		90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1244330	Batch:	367523
Matrix (Source ID):	Water (528665-003)	Method:	EPA 350.1	Prep Method:	METHOD

QC1244330 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.066	ND	1.000	mg/L	107%		90-110	2	20	1

Type:	Matrix Spike	Lab ID:	QC1244331	Batch:	367523
Matrix (Source ID):	Water (528782-001)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1244331 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.206	0.09420	1.000	mg/L	111%	*	90-110	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1244332	Batch:	367523
Matrix (Source ID):	Water (528782-001)	Method:	EPA 350.1	Prep Method:	SM 4500-NH3-G SD

QC1244332 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.174	0.09420	1.000	mg/L	108%		90-110	3	20	1

Type:	Blank	Lab ID:	QC1244333	Batch:	367523
Matrix:	Water	Method:	EPA 350.1	Prep Method:	METHOD

QC1244333 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	03/31/25	03/31/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1244334	Batch: 367523
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1244334 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.029	1.000	mg/L	103%		90-110

Type: Blank	Lab ID: QC1238950	Batch: 365908
Matrix: Water	Method: EPA 625.1	Prep Method: EPA 3510C

QC1238950 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	12	03/14/25	03/14/25
Pyridine	ND		ug/L	10	3.6	03/14/25	03/14/25
Phenol	ND		ug/L	10	1.0	03/14/25	03/14/25
2-Methylphenol	ND		ug/L	10	1.6	03/14/25	03/14/25
3-,4-Methylphenol	ND		ug/L	10	1.8	03/14/25	03/14/25
Naphthalene	ND		ug/L	10	1.4	03/14/25	03/14/25
Cresol	ND		ug/L	10		03/14/25	03/14/25
TIC:a-Terpineol	ND		ug/L			03/14/25	03/14/25
Surrogates				**Limits**			
2-Fluorophenol	34%		%REC	20-140		03/14/25	03/14/25
Phenol-d6	22%		%REC	20-140		03/14/25	03/14/25
2,4,6-Tribromophenol	51%		%REC	20-140		03/14/25	03/14/25
Nitrobenzene-d5	56%		%REC	20-140		03/14/25	03/14/25
2-Fluorobiphenyl	55%		%REC	20-140		03/14/25	03/14/25
Terphenyl-d14	58%		%REC	20-140		03/14/25	03/14/25

Type: Lab Control Sample	Lab ID: QC1238951	Batch: 365908
Matrix: Water	Method: EPA 625.1	Prep Method: EPA 3510C

QC1238951 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	28.54	75.00	ug/L	38%		13-120
3-,4-Methylphenol	56.09	75.00	ug/L	75%		29-120
Surrogates						
2-Fluorophenol	21.27	40.00	ug/L	53%		20-140
Phenol-d6	14.16	40.00	ug/L	35%		20-140
2,4,6-Tribromophenol	35.90	40.00	ug/L	90%		20-140
Nitrobenzene-d5	35.05	40.00	ug/L	88%		20-140
2-Fluorobiphenyl	32.58	40.00	ug/L	81%		20-140
Terphenyl-d14	36.13	40.00	ug/L	90%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1238952**	**Batch:**	**365908**
Matrix:	**Water**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1238952 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	26.17	75.00	ug/L	35%		13-120	9	62
3-,4-Methylphenol	50.21	75.00	ug/L	67%		29-120	11	62
Surrogates								
2-Fluorophenol	18.85	40.00	ug/L	47%		20-140		
Phenol-d6	12.62	40.00	ug/L	32%		20-140		
2,4,6-Tribromophenol	33.14	40.00	ug/L	83%		20-140		
Nitrobenzene-d5	31.57	40.00	ug/L	79%		20-140		
2-Fluorobiphenyl	28.80	40.00	ug/L	72%		20-140		
Terphenyl-d14	33.90	40.00	ug/L	85%		20-140		

Type:	**Lab Control Sample**	**Lab ID:**	**QC1238954**	**Batch:**	**365908**
Matrix:	**TCLP Leachate**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1238954 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	81.48	150.0	ug/L	54%		13-120
3-,4-Methylphenol	103.2	150.0	ug/L	69%		29-120
Surrogates						
2-Fluorophenol	45.33	80.00	ug/L	57%		20-140
Phenol-d6	39.50	80.00	ug/L	49%		20-140
2,4,6-Tribromophenol	58.56	80.00	ug/L	73%		20-140
Nitrobenzene-d5	50.79	80.00	ug/L	63%		20-140
2-Fluorobiphenyl	45.68	80.00	ug/L	57%		20-140
Terphenyl-d14	60.52	80.00	ug/L	76%		20-140

Type:	**Sample Spike**	**Lab ID:**	**QC1238955**	**Batch:**	**365908**
Matrix (Source ID):	**TCLP Leachate (528631-001)**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1238955 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phenol	8,000	8088	150.0	ug/L	-59%	E,NM	10-130	20
3-,4-Methylphenol	696.9	533.2	150.0	ug/L	109%		19-130	20
Surrogates								
2-Fluorophenol	65.13		80.00	ug/L	81%		10-140	20
Phenol-d6	59.68		80.00	ug/L	75%		10-140	20
2,4,6-Tribromophenol	80.40		80.00	ug/L	101%		12-140	20
Nitrobenzene-d5	93.13		80.00	ug/L	116%		10-140	20
2-Fluorobiphenyl	65.11		80.00	ug/L	81%		11-140	20
Terphenyl-d14	70.34		80.00	ug/L	88%		20-140	20

Type:	**Blank**	**Lab ID:**	**QC1239173**	**Batch:**	**365992**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1239173 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/14/25 19:57	03/19/25 19:38

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239174**	**Batch:**	**365992**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1239174 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	187.8	198.0	mg/L	95%		84.6-115.4

Type:	**Sample Duplicate**	**Lab ID:**	**QC1239205**	**Batch:**	**365992**
Matrix (Source ID):	**Water (528426-005)**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1239205 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Biochemical Oxygen Demand	427.5	443.8	mg/L		4	30	1

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	528896
Report Level	:	II
Report Date	:	04/02/2025
Revision	:	**1 (See narrative)**

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	528896 SW - APPENDIX II SW - APPENDIX II 03/14/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN STAGE 2	528896-001	03/14/25 13:30	Water
SOUTH BASIN OUTLET	528896-002	03/14/25 13:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528896 Project No: SW - APPENDIX II Location: SW - APPENDIX II Date Received: 03/14/25

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.
- This report was revised on 04/02/25 to include subcontracted 8141 data.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for a number of analytes in the MS for batch 366040; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were diluted due to the dark color of the sample extracts.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- High recovery was observed for delta-BHC in the BS for batch 366212; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

Metals (EPA 200.8 and EPA 245.1):

No analytical problems were encountered.

Total Phenolics (EPA 420.1):

No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):
No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 528896

Page: 3 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

Analysis Request

Test Instructions / Commen

APPENDIX II

8.5 → 8.6

IR II

Email report to:

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL METALS	8260 + APPENDIX II	RSK 175 CO2, 8260 ACROLE/ACRYLONITRILE	8260 +APP II, 8081/8082, 8184 8551,8290, 2,3	CYNAIDE	PHENOLS	SULFIDE				
1	SOUTH BASIN STAGE 2	03/14/25	1330	W	17	6,2,4,1	X	X	X	X	X	X	X				
2	SOUTH BASIN OUTLET	03/14/25	1300	W	17	6,2,4,1	X	X	X	X	X	X	X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Login 528896

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Matt Tuggle	CTEH	3/14/25 18:00
[1] Received By:	Hone	HOSS Darabi	EA	3/14/25 18:0.
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 03/14/25 WO# 528896 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) HXD Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: 0

Cooler Temp (°C) #1: 8.5 / 8.0 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 03/14/25 **By (print)** FPDIWA **(sign)** _____

Date Labeled 03/14/25 **By (print)** MSK/DEP/SQR **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528896

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528896
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 03/14/25

Sample ID: SOUTH BASIN STAGE 2 **Lab ID: 528896-001** **Collected: 03/14/25 13:30**
Matrix: Water

528896-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	ND		ug/L	5.0	0.50	1	366121	03/17/25	03/18/25	KAM
Antimony	**0.83**	J	ug/L	2.0	0.31	1	366121	03/17/25	03/18/25	KAM
Arsenic	**6.0**		ug/L	2.0	0.38	1	366121	03/17/25	03/18/25	KAM
Barium	**56**		ug/L	5.0	0.46	1	366121	03/17/25	03/18/25	KAM
Beryllium	**0.079**	J	ug/L	1.0	0.062	1	366121	03/17/25	03/18/25	KAM
Cadmium	**0.11**	J	ug/L	1.0	0.095	1	366121	03/17/25	03/18/25	KAM
Chromium	**4.4**	J	ug/L	5.0	0.24	1	366121	03/17/25	03/18/25	KAM
Cobalt	**2.2**		ug/L	1.0	0.068	1	366121	03/17/25	03/18/25	KAM
Copper	**7.1**		ug/L	3.0	0.71	1	366121	03/17/25	03/18/25	KAM
Lead	**2.7**	J	ug/L	5.0	0.18	1	366121	03/17/25	03/18/25	KAM
Nickel	**6.7**		ug/L	5.0	0.74	1	366121	03/17/25	03/18/25	KAM
Selenium	**1.7**	J	ug/L	2.0	1.6	1	366121	03/17/25	03/18/25	KAM
Silver	ND		ug/L	5.0	0.50	1	366121	03/17/25	03/18/25	KAM
Thallium	ND		ug/L	1.0	0.20	1	366121	03/17/25	03/18/25	KAM
Vanadium	**7.5**		ug/L	5.0	0.26	1	366121	03/17/25	03/18/25	KAM
Zinc	**21**		ug/L	10	7.4	1	366121	03/17/25	03/18/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	ND		ug/L	0.40	0.032	1	366122	03/17/25	03/17/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	**0.011**	J	mg/L	0.014	0.0064	1.4	366250	03/18/25	03/18/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
beta-BHC	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
gamma-BHC	ND		ug/L	0.9	0.3	19	366212	03/18/25	03/18/25	XLY
delta-BHC	ND		ug/L	0.9	0.3	19	366212	03/18/25	03/18/25	XLY
Heptachlor	ND		ug/L	0.9	0.2	19	366212	03/18/25	03/18/25	XLY
Aldrin	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
Heptachlor epoxide	ND		ug/L	0.9	0.3	19	366212	03/18/25	03/18/25	XLY
Endosulfan I	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
Dieldrin	ND		ug/L	1.9	0.2	19	366212	03/18/25	03/18/25	XLY
4,4'-DDE	ND		ug/L	1.9	0.3	19	366212	03/18/25	03/18/25	XLY
Endrin	ND		ug/L	1.9	0.3	19	366212	03/18/25	03/18/25	XLY
Endosulfan II	ND		ug/L	1.9	0.4	19	366212	03/18/25	03/18/25	XLY
Endosulfan sulfate	ND		ug/L	1.9	0.3	19	366212	03/18/25	03/18/25	XLY
4,4'-DDD	ND		ug/L	1.9	0.5	19	366212	03/18/25	03/18/25	XLY
Endrin aldehyde	ND		ug/L	1.9	0.5	19	366212	03/18/25	03/18/25	XLY
Endrin ketone	ND		ug/L	1.9	0.5	19	366212	03/18/25	03/18/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/L	1.9	0.7	19	366212	03/18/25	03/18/25	XLY
Methoxychlor	ND		ug/L	1.9	1.2	19	366212	03/18/25	03/18/25	XLY
Toxaphene	ND		ug/L	38	15	19	366212	03/18/25	03/18/25	XLY
Chlordane (Technical)	ND		ug/L	19	4.9	19	366212	03/18/25	03/18/25	XLY
Surrogates				**Limits**						
TCMX		DO	%REC	14-120		19	366212	03/18/25	03/18/25	XLY
Decachlorobiphenyl		DO	%REC	20-120		19	366212	03/18/25	03/18/25	XLY
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	4.7	3.5	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1221	ND		ug/L	4.7	3.8	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1232	ND		ug/L	4.7	3.4	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1242	ND		ug/L	4.7	3.3	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1248	ND		ug/L	4.7	3.2	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1254	ND		ug/L	4.7	1.7	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1260	ND		ug/L	4.7	4.2	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1262	ND		ug/L	4.7	3.7	9.4	366212	03/18/25	03/18/25	XLY
Aroclor-1268	ND		ug/L	4.7	2.4	9.4	366212	03/18/25	03/18/25	XLY
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	39%		%REC	18-126		9.4	366212	03/18/25	03/18/25	XLY
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.7	1	366040	03/15/25	03/15/25	ZST
Chloroprene	ND		ug/L	200	0.6	1	366040	03/15/25	03/15/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.3	1	366040	03/15/25	03/15/25	ZST
Ethanol	ND		ug/L	500	250	1	366040	03/15/25	03/15/25	ZST
2-Hexanone	ND		ug/L	5.0	0.8	1	366040	03/15/25	03/15/25	ZST
Isopropanol (IPA)	ND		ug/L	200	64	1	366040	03/15/25	03/15/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.2	1	366040	03/15/25	03/15/25	ZST
Vinyl Acetate	ND		ug/L	50	2.5	1	366040	03/15/25	03/15/25	ZST
Acrolein	ND		ug/L	200	2.2	1	366040	03/15/25	03/15/25	ZST
Acrylonitrile	ND		ug/L	10	0.7	1	366040	03/15/25	03/15/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366040	03/15/25	03/15/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Iodomethane	ND		ug/L	5.8		1	366040	03/15/25	03/15/25	ZST
Acetone	**170**		ug/L	100	44	1	366040	03/15/25	03/15/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Methylene Chloride	ND		ug/L	10	3.5	1	366040	03/15/25	03/15/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366040	03/15/25	03/15/25	ZST
2-Butanone	**27**		ug/L	10	2.3	1	366040	03/15/25	03/15/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Chloroform	**0.4**	J	ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	366040	03/15/25	03/15/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	1	366040	03/15/25	03/15/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366040	03/15/25	03/15/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366040	03/15/25	03/15/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
para-Isopropyl Toluene	**0.2**	J	ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366040	03/15/25	03/15/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366040	03/15/25	03/15/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366040	03/15/25	03/15/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366040	03/15/25	03/15/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366040	03/15/25	03/15/25	ZST
TIC:Borane-methyl sulfide complex	**4.1**	J	ug/L			1	366040	03/15/25	03/15/25	ZST

Surrogates	Limits

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromofluoromethane	111%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST
1,2-Dichloroethane-d4	101%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST
Toluene-d8	94%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	1.9	0.70	3.8	366091	03/16/25	03/16/25	TJW
2-Methylnaphthalene	ND		ug/L	1.9	0.91	3.8	366091	03/16/25	03/16/25	TJW
Naphthalene	ND		ug/L	1.9	0.77	3.8	366091	03/16/25	03/16/25	TJW
Acenaphthylene	ND		ug/L	1.9	0.79	3.8	366091	03/16/25	03/16/25	TJW
Acenaphthene	ND		ug/L	1.9	0.66	3.8	366091	03/16/25	03/16/25	TJW
Fluorene	ND		ug/L	1.9	0.62	3.8	366091	03/16/25	03/16/25	TJW
Phenanthrene	ND		ug/L	1.9	0.72	3.8	366091	03/16/25	03/16/25	TJW
Anthracene	ND		ug/L	1.9	0.67	3.8	366091	03/16/25	03/16/25	TJW
Fluoranthene	ND		ug/L	1.9	0.66	3.8	366091	03/16/25	03/16/25	TJW
Pyrene	ND		ug/L	1.9	0.62	3.8	366091	03/16/25	03/16/25	TJW
Benzo(a)anthracene	ND		ug/L	1.9	0.56	3.8	366091	03/16/25	03/16/25	TJW
Chrysene	ND		ug/L	1.9	0.61	3.8	366091	03/16/25	03/16/25	TJW
Benzo(b)fluoranthene	ND		ug/L	1.9	0.61	3.8	366091	03/16/25	03/16/25	TJW
Benzo(k)fluoranthene	ND		ug/L	1.9	0.62	3.8	366091	03/16/25	03/16/25	TJW
Benzo(a)pyrene	ND		ug/L	1.9	0.47	3.8	366091	03/16/25	03/16/25	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.9	0.53	3.8	366091	03/16/25	03/16/25	TJW
Dibenz(a,h)anthracene	ND		ug/L	1.9	0.70	3.8	366091	03/16/25	03/16/25	TJW
Benzo(g,h,i)perylene	ND		ug/L	1.9	0.75	3.8	366091	03/16/25	03/16/25	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	41%		%REC	16-125		3.8	366091	03/16/25	03/16/25	TJW
2-Fluorobiphenyl	43%		%REC	17-120		3.8	366091	03/16/25	03/16/25	TJW
Terphenyl-d14	64%		%REC	39-123		3.8	366091	03/16/25	03/16/25	TJW
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	20	4.6	2	366077	03/17/25	03/18/25	XLY
Pyridine	ND		ug/L	20	7.7	2	366077	03/17/25	03/18/25	XLY
N-Nitrosodimethylamine	ND		ug/L	20	5.5	2	366077	03/17/25	03/18/25	XLY
Phenol	ND		ug/L	20	7.1	2	366077	03/17/25	03/18/25	XLY
Aniline	ND		ug/L	20	9.0	2	366077	03/17/25	03/18/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	50	6.2	2	366077	03/17/25	03/18/25	XLY
2-Chlorophenol	ND		ug/L	20	5.6	2	366077	03/17/25	03/18/25	XLY
1,3-Dichlorobenzene	ND		ug/L	20	6.6	2	366077	03/17/25	03/18/25	XLY
1,4-Dichlorobenzene	ND		ug/L	20	6.7	2	366077	03/17/25	03/18/25	XLY
Benzyl alcohol	ND		ug/L	20	12	2	366077	03/17/25	03/18/25	XLY
1,2-Dichlorobenzene	ND		ug/L	20	6.6	2	366077	03/17/25	03/18/25	XLY
2-Methylphenol	ND		ug/L	20	6.4	2	366077	03/17/25	03/18/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	20	5.6	2	366077	03/17/25	03/18/25	XLY
3-,4-Methylphenol	ND		ug/L	20	5.3	2	366077	03/17/25	03/18/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	20	7.7	2	366077	03/17/25	03/18/25	XLY
Hexachloroethane	ND		ug/L	20	7.7	2	366077	03/17/25	03/18/25	XLY
Nitrobenzene	ND		ug/L	50	13	2	366077	03/17/25	03/18/25	XLY
Isophorone	ND		ug/L	20	3.8	2	366077	03/17/25	03/18/25	XLY
2-Nitrophenol	ND		ug/L	20	11	2	366077	03/17/25	03/18/25	XLY
2,4-Dimethylphenol	ND		ug/L	20	8.8	2	366077	03/17/25	03/18/25	XLY
Benzoic acid	ND		ug/L	100	39	2	366077	03/17/25	03/18/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
bis(2-Chloroethoxy)methane	ND		ug/L	20	4.5	2	366077	03/17/25	03/18/25	XLY
2,4-Dichlorophenol	ND		ug/L	20	5.5	2	366077	03/17/25	03/18/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	20	5.2	2	366077	03/17/25	03/18/25	XLY
Naphthalene	ND		ug/L	20	5.4	2	366077	03/17/25	03/18/25	XLY
4-Chloroaniline	ND		ug/L	20	4.6	2	366077	03/17/25	03/18/25	XLY
Hexachlorobutadiene	ND		ug/L	20	7.9	2	366077	03/17/25	03/18/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	20	5.5	2	366077	03/17/25	03/18/25	XLY
2-Methylnaphthalene	ND		ug/L	20	4.9	2	366077	03/17/25	03/18/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	50	9.7	2	366077	03/17/25	03/18/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	20	4.5	2	366077	03/17/25	03/18/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	20	5.5	2	366077	03/17/25	03/18/25	XLY
2-Chloronaphthalene	ND		ug/L	20	4.8	2	366077	03/17/25	03/18/25	XLY
2-Nitroaniline	ND		ug/L	100	7.4	2	366077	03/17/25	03/18/25	XLY
Dimethylphthalate	ND		ug/L	20	6.3	2	366077	03/17/25	03/18/25	XLY
Acenaphthylene	ND		ug/L	20	4.5	2	366077	03/17/25	03/18/25	XLY
2,6-Dinitrotoluene	ND		ug/L	20	7.4	2	366077	03/17/25	03/18/25	XLY
3-Nitroaniline	ND		ug/L	20	3.7	2	366077	03/17/25	03/18/25	XLY
Acenaphthene	ND		ug/L	20	5.2	2	366077	03/17/25	03/18/25	XLY
2,4-Dinitrophenol	ND		ug/L	100	7.0	2	366077	03/17/25	03/18/25	XLY
4-Nitrophenol	ND		ug/L	20	3.0	2	366077	03/17/25	03/18/25	XLY
Dibenzofuran	ND		ug/L	20	4.4	2	366077	03/17/25	03/18/25	XLY
2,4-Dinitrotoluene	ND		ug/L	20	6.2	2	366077	03/17/25	03/18/25	XLY
Diethylphthalate	ND		ug/L	20	5.6	2	366077	03/17/25	03/18/25	XLY
Fluorene	ND		ug/L	20	4.3	2	366077	03/17/25	03/18/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	20	4.9	2	366077	03/17/25	03/18/25	XLY
4-Nitroaniline	ND		ug/L	20	5.7	2	366077	03/17/25	03/18/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	100	6.3	2	366077	03/17/25	03/18/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	20	7.8	2	366077	03/17/25	03/18/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	20	4.6	2	366077	03/17/25	03/18/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	20	4.7	2	366077	03/17/25	03/18/25	XLY
Hexachlorobenzene	ND		ug/L	20	4.9	2	366077	03/17/25	03/18/25	XLY
Pentachlorophenol	ND		ug/L	50	5.1	2	366077	03/17/25	03/18/25	XLY
Phenanthrene	ND		ug/L	20	5.1	2	366077	03/17/25	03/18/25	XLY
Anthracene	ND		ug/L	20	4.3	2	366077	03/17/25	03/18/25	XLY
Di-n-butylphthalate	ND		ug/L	20	4.8	2	366077	03/17/25	03/18/25	XLY
Fluoranthene	ND		ug/L	20	5.2	2	366077	03/17/25	03/18/25	XLY
Benzidine	ND		ug/L	100	31	2	366077	03/17/25	03/18/25	XLY
Pyrene	ND		ug/L	20	4.8	2	366077	03/17/25	03/18/25	XLY
Butylbenzylphthalate	ND		ug/L	20	5.1	2	366077	03/17/25	03/18/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	50	5.8	2	366077	03/17/25	03/18/25	XLY
Benzo(a)anthracene	ND		ug/L	20	4.3	2	366077	03/17/25	03/18/25	XLY
Chrysene	ND		ug/L	20	5.0	2	366077	03/17/25	03/18/25	XLY
bis(2-Ethylhexyl)phthalate	**6.5**	J	ug/L	20	5.5	2	366077	03/17/25	03/18/25	XLY
Di-n-octylphthalate	ND		ug/L	20	9.5	2	366077	03/17/25	03/18/25	XLY
Benzo(b)fluoranthene	ND		ug/L	20	4.7	2	366077	03/17/25	03/18/25	XLY
Benzo(k)fluoranthene	ND		ug/L	20	4.8	2	366077	03/17/25	03/18/25	XLY
Benzo(a)pyrene	ND		ug/L	20	4.4	2	366077	03/17/25	03/18/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	20	11	2	366077	03/17/25	03/18/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	20	15	2	366077	03/17/25	03/18/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	20	7.0	2	366077	03/17/25	03/18/25	XLY
TIC:2,6-Dichlorophenol	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:2-Acetylaminofluorene	ND		ug/L			2	366077	03/17/25	03/18/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:3,3'-Dimethylbenzidine	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:4-Aminobiphenyl	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:Acetophenone	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:Chlorobenzilate	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:Diallate	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:Thionazin	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:a,a-Dimethylphenethylamine	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			2	366077	03/17/25	03/18/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	36%		%REC	10-140		2	366077	03/17/25	03/18/25	XLY
Phenol-d6	26%		%REC	10-140		2	366077	03/17/25	03/18/25	XLY
2,4,6-Tribromophenol	98%		%REC	12-140		2	366077	03/17/25	03/18/25	XLY
Nitrobenzene-d5	62%		%REC	10-140		2	366077	03/17/25	03/18/25	XLY
2-Fluorobiphenyl	59%		%REC	11-140		2	366077	03/17/25	03/18/25	XLY
Terphenyl-d14	94%		%REC	20-140		2	366077	03/17/25	03/18/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	366177	03/17/25	03/18/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366066	03/15/25	03/15/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

Sample ID: SOUTH BASIN OUTLET	Lab ID: 528896-002	Collected: 03/14/25 13:00
	Matrix: Water	

528896-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	ND		ug/L	5.0	0.50	1	366121	03/17/25	03/18/25	KAM
Antimony	**1.6**	J	ug/L	2.0	0.31	1	366121	03/17/25	03/18/25	KAM
Arsenic	**6.6**		ug/L	2.0	0.38	1	366121	03/17/25	03/18/25	KAM
Barium	**57**		ug/L	5.0	0.46	1	366121	03/17/25	03/18/25	KAM
Beryllium	**0.067**	J	ug/L	1.0	0.062	1	366121	03/17/25	03/18/25	KAM
Cadmium	**0.11**	J	ug/L	1.0	0.095	1	366121	03/17/25	03/18/25	KAM
Chromium	**3.8**	J	ug/L	5.0	0.24	1	366121	03/17/25	03/18/25	KAM
Cobalt	**2.1**		ug/L	1.0	0.068	1	366121	03/17/25	03/18/25	KAM
Copper	**5.8**		ug/L	3.0	0.71	1	366121	03/17/25	03/18/25	KAM
Lead	**2.3**	J	ug/L	5.0	0.18	1	366121	03/17/25	03/18/25	KAM
Nickel	**6.6**		ug/L	5.0	0.74	1	366121	03/17/25	03/18/25	KAM
Selenium	**1.7**	J	ug/L	2.0	1.6	1	366121	03/17/25	03/18/25	KAM
Silver	ND		ug/L	5.0	0.50	1	366121	03/17/25	03/18/25	KAM
Thallium	ND		ug/L	1.0	0.20	1	366121	03/17/25	03/18/25	KAM
Vanadium	**7.1**		ug/L	5.0	0.26	1	366121	03/17/25	03/18/25	KAM
Zinc	**39**		ug/L	10	7.4	1	366121	03/17/25	03/18/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	ND		ug/L	0.40	0.032	1	366122	03/17/25	03/17/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	ND		mg/L	0.010	0.0047	1	366646	03/21/25	03/21/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
beta-BHC	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
gamma-BHC	ND		ug/L	0.9	0.3	19	366212	03/18/25	03/18/25	XLY
delta-BHC	ND		ug/L	0.9	0.3	19	366212	03/18/25	03/18/25	XLY
Heptachlor	ND		ug/L	0.9	0.2	19	366212	03/18/25	03/18/25	XLY
Aldrin	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
Heptachlor epoxide	ND		ug/L	0.9	0.3	19	366212	03/18/25	03/18/25	XLY
Endosulfan I	ND		ug/L	0.9	0.4	19	366212	03/18/25	03/18/25	XLY
Dieldrin	ND		ug/L	1.9	0.2	19	366212	03/18/25	03/18/25	XLY
4,4'-DDE	ND		ug/L	1.9	0.3	19	366212	03/18/25	03/18/25	XLY
Endrin	ND		ug/L	1.9	0.3	19	366212	03/18/25	03/18/25	XLY
Endosulfan II	ND		ug/L	1.9	0.4	19	366212	03/18/25	03/18/25	XLY
Endosulfan sulfate	ND		ug/L	1.9	0.3	19	366212	03/18/25	03/18/25	XLY
4,4'-DDD	ND		ug/L	1.9	0.5	19	366212	03/18/25	03/18/25	XLY
Endrin aldehyde	ND		ug/L	1.9	0.5	19	366212	03/18/25	03/18/25	XLY
Endrin ketone	ND		ug/L	1.9	0.5	19	366212	03/18/25	03/18/25	XLY
4,4'-DDT	ND		ug/L	1.9	0.7	19	366212	03/18/25	03/18/25	XLY
Methoxychlor	ND		ug/L	1.9	1.2	19	366212	03/18/25	03/18/25	XLY
Toxaphene	ND		ug/L	37	15	19	366212	03/18/25	03/18/25	XLY
Chlordane (Technical)	ND		ug/L	19	4.8	19	366212	03/18/25	03/18/25	XLY
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX		DO	%REC	14-120		19	366212	03/18/25	03/18/25	XLY
Decachlorobiphenyl		DO	%REC	20-120		19	366212	03/18/25	03/18/25	XLY
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	4.7	3.5	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1221	ND		ug/L	4.7	3.8	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1232	ND		ug/L	4.7	3.3	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1242	ND		ug/L	4.7	3.2	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1248	ND		ug/L	4.7	3.2	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1254	ND		ug/L	4.7	1.7	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1260	ND		ug/L	4.7	4.2	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1262	ND		ug/L	4.7	3.7	9.3	366212	03/18/25	03/18/25	XLY
Aroclor-1268	ND		ug/L	4.7	2.4	9.3	366212	03/18/25	03/18/25	XLY
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	36%		%REC	18-126		9.3	366212	03/18/25	03/18/25	XLY
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.7	1	366040	03/15/25	03/15/25	ZST
Chloroprene	ND		ug/L	200	0.6	1	366040	03/15/25	03/15/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.3	1	366040	03/15/25	03/15/25	ZST
Ethanol	ND		ug/L	500	250	1	366040	03/15/25	03/15/25	ZST
2-Hexanone	ND		ug/L	5.0	0.8	1	366040	03/15/25	03/15/25	ZST
Isopropanol (IPA)	**76**	J	ug/L	200	64	1	366040	03/15/25	03/15/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.2	1	366040	03/15/25	03/15/25	ZST
Vinyl Acetate	ND		ug/L	50	2.5	1	366040	03/15/25	03/15/25	ZST
Acrolein	ND		ug/L	200	2.2	1	366040	03/15/25	03/15/25	ZST
Acrylonitrile	ND		ug/L	10	0.7	1	366040	03/15/25	03/15/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366040	03/15/25	03/15/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Iodomethane	ND		ug/L	5.8		1	366040	03/15/25	03/15/25	ZST
Acetone	**170**		ug/L	100	44	1	366040	03/15/25	03/15/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Methylene Chloride	ND		ug/L	10	3.5	1	366040	03/15/25	03/15/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366040	03/15/25	03/15/25	ZST
2-Butanone	**28**		ug/L	10	2.3	1	366040	03/15/25	03/15/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Chloroform	**0.3**	J	ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	1.0	0.1	1	366040	03/15/25	03/15/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	1	366040	03/15/25	03/15/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366040	03/15/25	03/15/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366040	03/15/25	03/15/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
para-Isopropyl Toluene	**0.2**	J	ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366040	03/15/25	03/15/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366040	03/15/25	03/15/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366040	03/15/25	03/15/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366040	03/15/25	03/15/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366040	03/15/25	03/15/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366040	03/15/25	03/15/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366040	03/15/25	03/15/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366040	03/15/25	03/15/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366040	03/15/25	03/15/25	ZST
TIC:Borane-methyl sulfide complex	**3.5**	J	ug/L			1	366040	03/15/25	03/15/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST
Toluene-d8	98%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	366040	03/15/25	03/15/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	4.7	1.7	9.4	366091	03/16/25	03/16/25	TJW
2-Methylnaphthalene	ND		ug/L	4.7	2.3	9.4	366091	03/16/25	03/16/25	TJW
Naphthalene	ND		ug/L	4.7	1.9	9.4	366091	03/16/25	03/16/25	TJW
Acenaphthylene	ND		ug/L	4.7	2.0	9.4	366091	03/16/25	03/16/25	TJW
Acenaphthene	ND		ug/L	4.7	1.6	9.4	366091	03/16/25	03/16/25	TJW
Fluorene	ND		ug/L	4.7	1.6	9.4	366091	03/16/25	03/16/25	TJW
Phenanthrene	ND		ug/L	4.7	1.8	9.4	366091	03/16/25	03/16/25	TJW
Anthracene	ND		ug/L	4.7	1.7	9.4	366091	03/16/25	03/16/25	TJW
Fluoranthene	ND		ug/L	4.7	1.6	9.4	366091	03/16/25	03/16/25	TJW
Pyrene	ND		ug/L	4.7	1.5	9.4	366091	03/16/25	03/16/25	TJW
Benzo(a)anthracene	ND		ug/L	4.7	1.4	9.4	366091	03/16/25	03/16/25	TJW
Chrysene	ND		ug/L	4.7	1.5	9.4	366091	03/16/25	03/16/25	TJW
Benzo(b)fluoranthene	ND		ug/L	4.7	1.5	9.4	366091	03/16/25	03/16/25	TJW
Benzo(k)fluoranthene	ND		ug/L	4.7	1.5	9.4	366091	03/16/25	03/16/25	TJW
Benzo(a)pyrene	ND		ug/L	4.7	1.2	9.4	366091	03/16/25	03/16/25	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	4.7	1.3	9.4	366091	03/16/25	03/16/25	TJW
Dibenz(a,h)anthracene	ND		ug/L	4.7	1.8	9.4	366091	03/16/25	03/16/25	TJW
Benzo(g,h,i)perylene	ND		ug/L	4.7	1.9	9.4	366091	03/16/25	03/16/25	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	60%		%REC	16-125		9.4	366091	03/16/25	03/16/25	TJW
2-Fluorobiphenyl	65%		%REC	17-120		9.4	366091	03/16/25	03/16/25	TJW
Terphenyl-d14	87%		%REC	39-123		9.4	366091	03/16/25	03/16/25	TJW
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	9.5	2.2	0.95	366077	03/17/25	03/18/25	XLY
Pyridine	ND		ug/L	9.5	3.7	0.95	366077	03/17/25	03/18/25	XLY
N-Nitrosodimethylamine	ND		ug/L	9.5	2.6	0.95	366077	03/17/25	03/18/25	XLY
Phenol	ND		ug/L	9.5	3.4	0.95	366077	03/17/25	03/18/25	XLY
Aniline	ND		ug/L	9.5	4.3	0.95	366077	03/17/25	03/18/25	XLY
bis(2-Chloroethyl)ether	ND		ug/L	24	3.0	0.95	366077	03/17/25	03/18/25	XLY
2-Chlorophenol	ND		ug/L	9.5	2.7	0.95	366077	03/17/25	03/18/25	XLY
1,3-Dichlorobenzene	ND		ug/L	9.5	3.2	0.95	366077	03/17/25	03/18/25	XLY
1,4-Dichlorobenzene	ND		ug/L	9.5	3.2	0.95	366077	03/17/25	03/18/25	XLY
Benzyl alcohol	ND		ug/L	9.5	5.5	0.95	366077	03/17/25	03/18/25	XLY
1,2-Dichlorobenzene	ND		ug/L	9.5	3.1	0.95	366077	03/17/25	03/18/25	XLY
2-Methylphenol	ND		ug/L	9.5	3.0	0.95	366077	03/17/25	03/18/25	XLY
bis(2-Chloroisopropyl) ether	ND		ug/L	9.5	2.7	0.95	366077	03/17/25	03/18/25	XLY
3-,4-Methylphenol	ND		ug/L	9.5	2.5	0.95	366077	03/17/25	03/18/25	XLY
N-Nitroso-di-n-propylamine	ND		ug/L	9.5	3.7	0.95	366077	03/17/25	03/18/25	XLY
Hexachloroethane	ND		ug/L	9.5	3.7	0.95	366077	03/17/25	03/18/25	XLY
Nitrobenzene	ND		ug/L	24	6.1	0.95	366077	03/17/25	03/18/25	XLY
Isophorone	ND		ug/L	9.5	1.8	0.95	366077	03/17/25	03/18/25	XLY
2-Nitrophenol	ND		ug/L	9.5	5.3	0.95	366077	03/17/25	03/18/25	XLY
2,4-Dimethylphenol	ND		ug/L	9.5	4.2	0.95	366077	03/17/25	03/18/25	XLY
Benzoic acid	ND		ug/L	48	18	0.95	366077	03/17/25	03/18/25	XLY
bis(2-Chloroethoxy)methane	ND		ug/L	9.5	2.2	0.95	366077	03/17/25	03/18/25	XLY
2,4-Dichlorophenol	ND		ug/L	9.5	2.6	0.95	366077	03/17/25	03/18/25	XLY
1,2,4-Trichlorobenzene	ND		ug/L	9.5	2.5	0.95	366077	03/17/25	03/18/25	XLY
Naphthalene	ND		ug/L	9.5	2.6	0.95	366077	03/17/25	03/18/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Chloroaniline	ND		ug/L	9.5	2.2	0.95	366077	03/17/25	03/18/25	XLY
Hexachlorobutadiene	ND		ug/L	9.5	3.8	0.95	366077	03/17/25	03/18/25	XLY
4-Chloro-3-methylphenol	ND		ug/L	9.5	2.6	0.95	366077	03/17/25	03/18/25	XLY
2-Methylnaphthalene	ND		ug/L	9.5	2.3	0.95	366077	03/17/25	03/18/25	XLY
Hexachlorocyclopentadiene	ND		ug/L	24	4.6	0.95	366077	03/17/25	03/18/25	XLY
2,4,6-Trichlorophenol	ND		ug/L	9.5	2.1	0.95	366077	03/17/25	03/18/25	XLY
2,4,5-Trichlorophenol	ND		ug/L	9.5	2.6	0.95	366077	03/17/25	03/18/25	XLY
2-Chloronaphthalene	ND		ug/L	9.5	2.3	0.95	366077	03/17/25	03/18/25	XLY
2-Nitroaniline	ND		ug/L	48	3.5	0.95	366077	03/17/25	03/18/25	XLY
Dimethylphthalate	ND		ug/L	9.5	3.0	0.95	366077	03/17/25	03/18/25	XLY
Acenaphthylene	ND		ug/L	9.5	2.1	0.95	366077	03/17/25	03/18/25	XLY
2,6-Dinitrotoluene	ND		ug/L	9.5	3.5	0.95	366077	03/17/25	03/18/25	XLY
3-Nitroaniline	ND		ug/L	9.5	1.8	0.95	366077	03/17/25	03/18/25	XLY
Acenaphthene	ND		ug/L	9.5	2.5	0.95	366077	03/17/25	03/18/25	XLY
2,4-Dinitrophenol	ND		ug/L	48	3.3	0.95	366077	03/17/25	03/18/25	XLY
4-Nitrophenol	ND		ug/L	9.5	1.4	0.95	366077	03/17/25	03/18/25	XLY
Dibenzofuran	ND		ug/L	9.5	2.1	0.95	366077	03/17/25	03/18/25	XLY
2,4-Dinitrotoluene	ND		ug/L	9.5	3.0	0.95	366077	03/17/25	03/18/25	XLY
Diethylphthalate	ND		ug/L	9.5	2.7	0.95	366077	03/17/25	03/18/25	XLY
Fluorene	ND		ug/L	9.5	2.0	0.95	366077	03/17/25	03/18/25	XLY
4-Chlorophenyl-phenylether	ND		ug/L	9.5	2.3	0.95	366077	03/17/25	03/18/25	XLY
4-Nitroaniline	ND		ug/L	9.5	2.7	0.95	366077	03/17/25	03/18/25	XLY
4,6-Dinitro-2-methylphenol	ND		ug/L	48	3.0	0.95	366077	03/17/25	03/18/25	XLY
N-Nitrosodiphenylamine	ND		ug/L	9.5	3.7	0.95	366077	03/17/25	03/18/25	XLY
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.5	2.2	0.95	366077	03/17/25	03/18/25	XLY
4-Bromophenyl-phenylether	ND		ug/L	9.5	2.2	0.95	366077	03/17/25	03/18/25	XLY
Hexachlorobenzene	ND		ug/L	9.5	2.3	0.95	366077	03/17/25	03/18/25	XLY
Pentachlorophenol	ND		ug/L	24	2.4	0.95	366077	03/17/25	03/18/25	XLY
Phenanthrene	ND		ug/L	9.5	2.4	0.95	366077	03/17/25	03/18/25	XLY
Anthracene	ND		ug/L	9.5	2.0	0.95	366077	03/17/25	03/18/25	XLY
Di-n-butylphthalate	ND		ug/L	9.5	2.3	0.95	366077	03/17/25	03/18/25	XLY
Fluoranthene	ND		ug/L	9.5	2.5	0.95	366077	03/17/25	03/18/25	XLY
Benzidine	ND		ug/L	48	15	0.95	366077	03/17/25	03/18/25	XLY
Pyrene	ND		ug/L	9.5	2.3	0.95	366077	03/17/25	03/18/25	XLY
Butylbenzylphthalate	ND		ug/L	9.5	2.5	0.95	366077	03/17/25	03/18/25	XLY
3,3'-Dichlorobenzidine	ND		ug/L	24	2.8	0.95	366077	03/17/25	03/18/25	XLY
Benzo(a)anthracene	ND		ug/L	9.5	2.0	0.95	366077	03/17/25	03/18/25	XLY
Chrysene	ND		ug/L	9.5	2.4	0.95	366077	03/17/25	03/18/25	XLY
bis(2-Ethylhexyl)phthalate	**3.0**	J	ug/L	9.5	2.6	0.95	366077	03/17/25	03/18/25	XLY
Di-n-octylphthalate	ND		ug/L	9.5	4.5	0.95	366077	03/17/25	03/18/25	XLY
Benzo(b)fluoranthene	ND		ug/L	9.5	2.2	0.95	366077	03/17/25	03/18/25	XLY
Benzo(k)fluoranthene	ND		ug/L	9.5	2.3	0.95	366077	03/17/25	03/18/25	XLY
Benzo(a)pyrene	ND		ug/L	9.5	2.1	0.95	366077	03/17/25	03/18/25	XLY
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.5	5.1	0.95	366077	03/17/25	03/18/25	XLY
Dibenz(a,h)anthracene	ND		ug/L	9.5	7.2	0.95	366077	03/17/25	03/18/25	XLY
Benzo(g,h,i)perylene	ND		ug/L	9.5	3.3	0.95	366077	03/17/25	03/18/25	XLY
TIC:2,6-Dichlorophenol	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:2-Acetylaminofluorene	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:3,3'-Dimethylbenzidine	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:4-Aminobiphenyl	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:Acetophenone	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528896

528896-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:Chlorobenzilate	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:Diallate	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:Thionazin	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:a,a-Dimethylphenethylamine	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			0.95	366077	03/17/25	03/18/25	XLY
Surrogates				**Limits**						
2-Fluorophenol	34%		%REC	10-140		0.95	366077	03/17/25	03/18/25	XLY
Phenol-d6	24%		%REC	10-140		0.95	366077	03/17/25	03/18/25	XLY
2,4,6-Tribromophenol	94%		%REC	12-140		0.95	366077	03/17/25	03/18/25	XLY
Nitrobenzene-d5	56%		%REC	10-140		0.95	366077	03/17/25	03/18/25	XLY
2-Fluorobiphenyl	55%		%REC	11-140		0.95	366077	03/17/25	03/18/25	XLY
Terphenyl-d14	92%		%REC	20-140		0.95	366077	03/17/25	03/18/25	XLY
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	366177	03/17/25	03/18/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366066	03/15/25	03/15/25	DXA

DO Diluted Out
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1239630**	**Batch:**	**366121**
Matrix:	**Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1239630 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	ND		ug/L	5.0	0.50	03/17/25	03/17/25
Antimony	ND		ug/L	2.0	0.31	03/17/25	03/17/25
Arsenic	ND		ug/L	2.0	0.38	03/17/25	03/17/25
Barium	ND		ug/L	5.0	0.46	03/17/25	03/17/25
Cadmium	ND		ug/L	1.0	0.095	03/17/25	03/17/25
Chromium	ND		ug/L	5.0	0.24	03/17/25	03/17/25
Lead	ND		ug/L	5.0	0.18	03/17/25	03/17/25
Nickel	ND		ug/L	5.0	0.74	03/17/25	03/17/25
Selenium	ND		ug/L	2.0	1.6	03/17/25	03/17/25
Thallium	ND		ug/L	1.0	0.20	03/17/25	03/17/25
Vanadium	ND		ug/L	5.0	0.26	03/17/25	03/17/25
Zinc	ND		ug/L	10	7.4	03/17/25	03/17/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239631**	**Batch:**	**366121**
Matrix:	**Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 3015A**

QC1239631 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	97.68	100.0	ug/L	98%		85-115
Antimony	106.5	100.0	ug/L	106%		85-115
Arsenic	100.1	100.0	ug/L	100%		85-115
Barium	97.26	100.0	ug/L	97%		85-115
Cadmium	99.80	100.0	ug/L	100%		85-115
Chromium	101.6	100.0	ug/L	102%		85-115
Lead	99.65	100.0	ug/L	100%		85-115
Nickel	104.6	100.0	ug/L	105%		85-115
Selenium	99.92	100.0	ug/L	100%		85-115
Thallium	99.36	100.0	ug/L	99%		85-115
Vanadium	100.3	100.0	ug/L	100%		85-115
Zinc	101.4	100.0	ug/L	101%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1239632	Batch:	366121
Matrix (Source ID):	Water (528849-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1239632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	100.1	ND	100.0	ug/L	100%		70-130	25
Antimony	106.6	0.3210	100.0	ug/L	106%		70-130	25
Arsenic	104.1	ND	100.0	ug/L	104%		70-130	25
Barium	107.5	6.400	100.0	ug/L	101%		70-130	25
Cadmium	99.03	ND	100.0	ug/L	99%		70-130	25
Chromium	110.6	0.3380	100.0	ug/L	110%		70-130	25
Lead	110.5	3.527	100.0	ug/L	107%		70-130	25
Nickel	118.1	2.445	100.0	ug/L	116%		70-130	25
Selenium	103.8	ND	100.0	ug/L	104%		70-130	25
Thallium	106.1	ND	100.0	ug/L	106%		70-130	25
Vanadium	98.45	ND	100.0	ug/L	98%		70-130	25
Zinc	252.2	143.5	100.0	ug/L	109%		70-130	25

Type:	Matrix Spike Duplicate	Lab ID:	QC1239633	Batch:	366121
Matrix (Source ID):	Water (528849-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1239633 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	98.53	ND	100.0	ug/L	99%		70-130	2	20	25
Antimony	104.2	0.3210	100.0	ug/L	104%		70-130	2	20	25
Arsenic	102.7	ND	100.0	ug/L	103%		70-130	1	20	25
Barium	107.4	6.400	100.0	ug/L	101%		70-130	0	20	25
Cadmium	96.95	ND	100.0	ug/L	97%		70-130	2	20	25
Chromium	107.4	0.3380	100.0	ug/L	107%		70-130	3	20	25
Lead	104.9	3.527	100.0	ug/L	101%		70-130	5	20	25
Nickel	122.7	2.445	100.0	ug/L	120%		70-130	4	20	25
Selenium	95.48	ND	100.0	ug/L	95%		70-130	8	20	25
Thallium	100.2	ND	100.0	ug/L	100%		70-130	6	20	25
Vanadium	102.4	ND	100.0	ug/L	102%		70-130	4	20	25
Zinc	255.1	143.5	100.0	ug/L	112%		70-130	1	20	25

Type:	Blank	Lab ID:	QC1239634	Batch:	366122
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1239634 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.032	03/17/25	03/17/25

Type:	Lab Control Sample	Lab ID:	QC1239635	Batch:	366122
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1239635 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.197	5.000	ug/L	104%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1239636	Batch:	366122
Matrix (Source ID):	Water (528907-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1239636 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.158	ND	5.000	ug/L	103%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1239637	Batch:	366122
Matrix (Source ID):	Water (528907-001)	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1239637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.002	ND	5.000	ug/L	100%		75-125	3	20	1

Type:	Blank	Lab ID:	QC1240153	Batch:	366250
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1240153 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	03/18/25	03/18/25

Type:	Lab Control Sample	Lab ID:	QC1240154	Batch:	366250
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1240154 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.07500	0.08000	mg/L	94%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1240155	Batch:	366250
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1240155 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.07600	0.08000	mg/L	95%		80-120	1	20

Type:	Blank	Lab ID:	QC1241440	Batch:	366646
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1241440 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	03/21/25	03/21/25

Type:	Lab Control Sample	Lab ID:	QC1241441	Batch:	366646
Matrix:	Water	Method:	EPA 420.1	Prep Method:	METHOD

QC1241441 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.07000	0.08000	mg/L	88%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1241442**	**Batch:**	**366646**
Matrix:	**Water**	**Method:**	**EPA 420.1**	**Prep Method:**	**METHOD**

QC1241442 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.07500	0.08000	mg/L	94%		80-120	7	20

Type:	**Blank**	**Lab ID:**	**QC1239957**	**Batch:**	**366212**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1239957 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/L	0.05	0.02	03/18/25	03/18/25
beta-BHC	ND		ug/L	0.05	0.02	03/18/25	03/18/25
gamma-BHC	ND		ug/L	0.05	0.02	03/18/25	03/18/25
delta-BHC	ND		ug/L	0.05	0.02	03/18/25	03/18/25
Heptachlor	ND		ug/L	0.05	0.01	03/18/25	03/18/25
Aldrin	ND		ug/L	0.05	0.02	03/18/25	03/18/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	03/18/25	03/18/25
Endosulfan I	ND		ug/L	0.05	0.02	03/18/25	03/18/25
Dieldrin	ND		ug/L	0.1	0.01	03/18/25	03/18/25
4,4'-DDE	ND		ug/L	0.1	0.02	03/18/25	03/18/25
Endrin	ND		ug/L	0.1	0.02	03/18/25	03/18/25
Endosulfan II	ND		ug/L	0.1	0.02	03/18/25	03/18/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	03/18/25	03/18/25
4,4'-DDD	ND		ug/L	0.1	0.02	03/18/25	03/18/25
Endrin aldehyde	ND		ug/L	0.1	0.03	03/18/25	03/18/25
Endrin ketone	ND		ug/L	0.1	0.03	03/18/25	03/18/25
4,4'-DDT	ND		ug/L	0.1	0.04	03/18/25	03/18/25
Methoxychlor	ND		ug/L	0.1	0.06	03/18/25	03/18/25
Toxaphene	ND		ug/L	2.0	0.8	03/18/25	03/18/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	03/18/25	03/18/25
Surrogates				**Limits**			
TCMX	83%		%REC	14-120		03/18/25	03/18/25
Decachlorobiphenyl	109%		%REC	20-120		03/18/25	03/18/25

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239958**	**Batch:**	**366212**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1239958 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5966	0.5000	ug/L	119%		53-120
beta-BHC	0.5913	0.5000	ug/L	118%		59-120
gamma-BHC	0.6021	0.5000	ug/L	120%		54-120
delta-BHC	0.6096	0.5000	ug/L	122%	*	58-120
Heptachlor	0.5340	0.5000	ug/L	107%		49-120
Aldrin	0.5275	0.5000	ug/L	105%		47-120
Heptachlor epoxide	0.5471	0.5000	ug/L	109%		53-120
Endosulfan I	0.5768	0.5000	ug/L	115%		56-120
Dieldrin	0.5333	0.5000	ug/L	107%		55-120
4,4'-DDE	0.5788	0.5000	ug/L	116%		55-120
Endrin	0.5574	0.5000	ug/L	111%		57-120
Endosulfan II	0.5604	0.5000	ug/L	112%		58-120
Endosulfan sulfate	0.5504	0.5000	ug/L	110%		56-120
4,4'-DDD	0.5343	0.5000	ug/L	107%		53-120
Endrin aldehyde	0.5286	0.5000	ug/L	106%		45-120
Endrin ketone	0.5807	0.5000	ug/L	116%		61-120
4,4'-DDT	0.5567	0.5000	ug/L	111%		58-120
Methoxychlor	0.5859	0.5000	ug/L	117%		54-120
Surrogates						
TCMX	0.4829	0.5000	ug/L	97%		14-120
Decachlorobiphenyl	0.5229	0.5000	ug/L	105%		20-120

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1239959	Batch:	366212
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1239959 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.5726	0.5000	ug/L	115%		53-120	4	20
beta-BHC	0.5764	0.5000	ug/L	115%		59-120	3	20
gamma-BHC	0.5794	0.5000	ug/L	116%		54-120	4	20
delta-BHC	0.5882	0.5000	ug/L	118%		58-120	4	20
Heptachlor	0.5187	0.5000	ug/L	104%		49-120	3	20
Aldrin	0.5167	0.5000	ug/L	103%		47-120	2	20
Heptachlor epoxide	0.5362	0.5000	ug/L	107%		53-120	2	20
Endosulfan I	0.5552	0.5000	ug/L	111%		56-120	4	20
Dieldrin	0.5354	0.5000	ug/L	107%		55-120	0	20
4,4'-DDE	0.5743	0.5000	ug/L	115%		55-120	1	20
Endrin	0.5437	0.5000	ug/L	109%		57-120	2	20
Endosulfan II	0.5734	0.5000	ug/L	115%		58-120	2	20
Endosulfan sulfate	0.5516	0.5000	ug/L	110%		56-120	0	20
4,4'-DDD	0.5372	0.5000	ug/L	107%		53-120	1	20
Endrin aldehyde	0.5351	0.5000	ug/L	107%		45-120	1	20
Endrin ketone	0.5848	0.5000	ug/L	117%		61-120	1	20
4,4'-DDT	0.5617	0.5000	ug/L	112%		58-120	1	20
Methoxychlor	0.5879	0.5000	ug/L	118%		54-120	0	20
Surrogates								
TCMX	0.4454	0.5000	ug/L	89%		14-120		
Decachlorobiphenyl	0.5264	0.5000	ug/L	105%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1239966	Batch:	366212
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1239966 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.833	5.000	ug/L	97%		36-143
Aroclor-1260	5.033	5.000	ug/L	101%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4791	0.5000	ug/L	96%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1239967	Batch:	366212
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1239967 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.896	5.000	ug/L	98%		36-143	1	39
Aroclor-1260	5.208	5.000	ug/L	104%		31-153	3	20
Surrogates								
Decachlorobiphenyl (PCB)	0.5119	0.5000	ug/L	102%		18-126		

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239330**	**Batch:**	**366040**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1239330 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.58	50.00	ug/L	105%		70-135
MTBE	43.40	50.00	ug/L	87%		70-130
Benzene	46.24	50.00	ug/L	92%		70-130
Trichloroethene	48.46	50.00	ug/L	97%		70-130
Toluene	47.20	50.00	ug/L	94%		70-130
Chlorobenzene	49.45	50.00	ug/L	99%		70-130
Surrogates						
Dibromofluoromethane	52.46	50.00	ug/L	105%		70-130
1,2-Dichloroethane-d4	52.26	50.00	ug/L	105%		70-130
Toluene-d8	48.03	50.00	ug/L	96%		70-130
Bromofluorobenzene	48.82	50.00	ug/L	98%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1239331**	**Batch:**	**366040**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1239331 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	52.11	50.00	ug/L	104%		70-135	1	30
MTBE	45.47	50.00	ug/L	91%		70-130	5	30
Benzene	47.20	50.00	ug/L	94%		70-130	2	30
Trichloroethene	49.05	50.00	ug/L	98%		70-130	1	30
Toluene	47.94	50.00	ug/L	96%		70-130	2	30
Chlorobenzene	49.45	50.00	ug/L	99%		70-130	0	30
Surrogates								
Dibromofluoromethane	52.14	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	52.11	50.00	ug/L	104%		70-130		
Toluene-d8	48.45	50.00	ug/L	97%		70-130		
Bromofluorobenzene	50.55	50.00	ug/L	101%		70-130		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1239333**	**Batch:**	**366040**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1239333 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.7	03/15/25	03/15/25
Chloroprene	ND		ug/L	200	0.6	03/15/25	03/15/25
3-Chloropropene	ND		ug/L	5.0	0.3	03/15/25	03/15/25
Ethyl methacrylate	ND		ug/L	50	1.3	03/15/25	03/15/25
Ethanol	ND		ug/L	500	250	03/15/25	03/15/25
2-Hexanone	ND		ug/L	5.0	0.8	03/15/25	03/15/25
Isopropanol (IPA)	ND		ug/L	200	64	03/15/25	03/15/25
Methyl acrylonitrile	ND		ug/L	35	2.2	03/15/25	03/15/25
Vinyl Acetate	ND		ug/L	50	2.5	03/15/25	03/15/25
Acrolein	ND		ug/L	200	2.2	03/15/25	03/15/25
Acrylonitrile	ND		ug/L	10	0.7	03/15/25	03/15/25
Freon 12	ND		ug/L	5.0	0.3	03/15/25	03/15/25
Chloromethane	ND		ug/L	5.0	0.4	03/15/25	03/15/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Bromomethane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Chloroethane	ND		ug/L	5.0	0.3	03/15/25	03/15/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Iodomethane	ND		ug/L	5.8		03/15/25	03/15/25
Acetone	ND		ug/L	100	44	03/15/25	03/15/25
Freon 113	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
Methylene Chloride	ND		ug/L	10	3.5	03/15/25	03/15/25
MTBE	ND		ug/L	5.0	0.1	03/15/25	03/15/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	03/15/25	03/15/25
2-Butanone	ND		ug/L	10	2.3	03/15/25	03/15/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Chloroform	ND		ug/L	5.0	0.1	03/15/25	03/15/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	03/15/25	03/15/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/15/25	03/15/25
Benzene	ND		ug/L	1.0	0.1	03/15/25	03/15/25
Trichloroethene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/15/25	03/15/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/15/25	03/15/25
Dibromomethane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	03/15/25	03/15/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Toluene	ND		ug/L	5.0	0.3	03/15/25	03/15/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/15/25	03/15/25
Tetrachloroethene	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/15/25	03/15/25

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Batch QC

QC1239333 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.1	03/15/25	03/15/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Ethylbenzene	ND		ug/L	5.0	0.07	03/15/25	03/15/25
m,p-Xylenes	ND		ug/L	5.0	0.1	03/15/25	03/15/25
o-Xylene	ND		ug/L	5.0	0.09	03/15/25	03/15/25
Styrene	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Bromoform	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/15/25	03/15/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Propylbenzene	ND		ug/L	5.0	0.09	03/15/25	03/15/25
Bromobenzene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	03/15/25	03/15/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	03/15/25	03/15/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	03/15/25	03/15/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	03/15/25	03/15/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/15/25	03/15/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/15/25	03/15/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	03/15/25	03/15/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/15/25	03/15/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	03/15/25	03/15/25
Naphthalene	ND		ug/L	5.0	0.5	03/15/25	03/15/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/15/25	03/15/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	03/15/25	03/15/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/15/25	03/15/25
Xylene (total)	ND		ug/L	5.0		03/15/25	03/15/25
TIC:	ND					03/15/25	03/15/25
Surrogates				**Limits**			
Dibromofluoromethane	107%		%REC	70-130		03/15/25	03/15/25
1,2-Dichloroethane-d4	102%		%REC	70-130		03/15/25	03/15/25
Toluene-d8	96%		%REC	70-130		03/15/25	03/15/25
Bromofluorobenzene	100%		%REC	70-130		03/15/25	03/15/25

Batch QC

Type:	Matrix Spike	Lab ID:	QC1239394	Batch:	366040
Matrix (Source ID):	Water (528639-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239394 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	12.76	ND	20.00	ug/L	64%	*	70-130	1
MTBE	12.40	ND	20.00	ug/L	62%	*	75-130	1
Benzene	12.31	ND	20.00	ug/L	62%	*	70-130	1
Trichloroethene	13.25	ND	20.00	ug/L	66%		63-130	1
Toluene	12.54	ND	20.00	ug/L	63%	*	70-130	1
Chlorobenzene	13.37	ND	20.00	ug/L	67%	*	70-130	1
Surrogates								
Dibromofluoromethane	52.62		50.00	ug/L	105%		70-130	1
1,2-Dichloroethane-d4	47.89		50.00	ug/L	96%		70-130	1
Toluene-d8	48.19		50.00	ug/L	96%		70-130	1
Bromofluorobenzene	48.90		50.00	ug/L	98%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1239395	Batch:	366040
Matrix (Source ID):	Water (528639-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239395 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	15.17	ND	20.00	ug/L	76%		70-130	17	30	1
MTBE	14.96	ND	20.00	ug/L	75%		75-130	19	30	1
Benzene	14.90	ND	20.00	ug/L	74%		70-130	19	30	1
Trichloroethene	16.15	ND	20.00	ug/L	81%		63-130	20	30	1
Toluene	15.12	ND	20.00	ug/L	76%		70-130	19	30	1
Chlorobenzene	15.67	ND	20.00	ug/L	78%		70-130	16	30	1
Surrogates										
Dibromofluoromethane	52.45		50.00	ug/L	105%		70-130			1
1,2-Dichloroethane-d4	50.88		50.00	ug/L	102%		70-130			1
Toluene-d8	48.13		50.00	ug/L	96%		70-130			1
Bromofluorobenzene	49.43		50.00	ug/L	99%		70-130			1

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Batch QC

Type: Blank	Lab ID: QC1239479	Batch: 366077
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1239479 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	0.91	03/16/25	03/16/25
Pyridine	ND		ug/L	10	3.6	03/16/25	03/16/25
N-Nitrosodimethylamine	ND		ug/L	10	1.2	03/16/25	03/16/25
Phenol	ND		ug/L	10	1.0	03/16/25	03/16/25
Aniline	ND		ug/L	10	1.8	03/16/25	03/16/25
bis(2-Chloroethyl)ether	ND		ug/L	25	1.6	03/16/25	03/16/25
2-Chlorophenol	ND		ug/L	10	1.5	03/16/25	03/16/25
1,3-Dichlorobenzene	ND		ug/L	10	1.5	03/16/25	03/16/25
1,4-Dichlorobenzene	ND		ug/L	10	1.6	03/16/25	03/16/25
Benzyl alcohol	ND		ug/L	11	11	03/16/25	03/16/25
1,2-Dichlorobenzene	ND		ug/L	10	1.4	03/16/25	03/16/25
2-Methylphenol	ND		ug/L	10	1.6	03/16/25	03/16/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	1.4	03/16/25	03/16/25
3-,4-Methylphenol	ND		ug/L	10	1.8	03/16/25	03/16/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	1.7	03/16/25	03/16/25
Hexachloroethane	ND		ug/L	10	2.2	03/16/25	03/16/25
Nitrobenzene	ND		ug/L	25	12	03/16/25	03/16/25
Isophorone	ND		ug/L	10	1.7	03/16/25	03/16/25
2-Nitrophenol	ND		ug/L	10	7.1	03/16/25	03/16/25
2,4-Dimethylphenol	ND		ug/L	10	5.6	03/16/25	03/16/25
Benzoic acid	ND		ug/L	50	12	03/16/25	03/16/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	1.7	03/16/25	03/16/25
2,4-Dichlorophenol	ND		ug/L	10	2.5	03/16/25	03/16/25
1,2,4-Trichlorobenzene	ND		ug/L	10	1.5	03/16/25	03/16/25
Naphthalene	ND		ug/L	10	1.4	03/16/25	03/16/25
4-Chloroaniline	ND		ug/L	10	2.2	03/16/25	03/16/25
Hexachlorobutadiene	ND		ug/L	10	3.0	03/16/25	03/16/25
4-Chloro-3-methylphenol	ND		ug/L	10	2.0	03/16/25	03/16/25
2-Methylnaphthalene	ND		ug/L	10	1.7	03/16/25	03/16/25
Hexachlorocyclopentadiene	ND		ug/L	25	6.7	03/16/25	03/16/25
2,4,6-Trichlorophenol	ND		ug/L	10	3.3	03/16/25	03/16/25
2,4,5-Trichlorophenol	ND		ug/L	10	3.4	03/16/25	03/16/25
2-Chloronaphthalene	ND		ug/L	10	1.9	03/16/25	03/16/25
2-Nitroaniline	ND		ug/L	50	7.2	03/16/25	03/16/25
Dimethylphthalate	ND		ug/L	10	3.0	03/16/25	03/16/25
Acenaphthylene	ND		ug/L	10	2.1	03/16/25	03/16/25
2,6-Dinitrotoluene	ND		ug/L	10	3.1	03/16/25	03/16/25
3-Nitroaniline	ND		ug/L	10	2.3	03/16/25	03/16/25
Acenaphthene	ND		ug/L	10	1.6	03/16/25	03/16/25
2,4-Dinitrophenol	ND		ug/L	50	4.7	03/16/25	03/16/25
4-Nitrophenol	ND		ug/L	10	4.6	03/16/25	03/16/25
Dibenzofuran	ND		ug/L	10	1.7	03/16/25	03/16/25
2,4-Dinitrotoluene	ND		ug/L	10	2.5	03/16/25	03/16/25
Diethylphthalate	ND		ug/L	10	2.0	03/16/25	03/16/25
Fluorene	ND		ug/L	10	1.7	03/16/25	03/16/25
4-Chlorophenyl-phenylether	ND		ug/L	10	1.9	03/16/25	03/16/25
4-Nitroaniline	ND		ug/L	10	3.7	03/16/25	03/16/25

ENTHALPY ANALYTICAL

Batch QC

QC1239479 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	5.2	03/16/25	03/16/25
N-Nitrosodiphenylamine	ND		ug/L	10	1.6	03/16/25	03/16/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	1.2	03/16/25	03/16/25
4-Bromophenyl-phenylether	ND		ug/L	10	2.3	03/16/25	03/16/25
Hexachlorobenzene	ND		ug/L	10	2.6	03/16/25	03/16/25
Pentachlorophenol	ND		ug/L	25	4.0	03/16/25	03/16/25
Phenanthrene	ND		ug/L	10	1.3	03/16/25	03/16/25
Anthracene	ND		ug/L	10	1.3	03/16/25	03/16/25
Di-n-butylphthalate	ND		ug/L	10	2.0	03/16/25	03/16/25
Fluoranthene	ND		ug/L	10	1.2	03/16/25	03/16/25
Benzidine	ND		ug/L	50	8.8	03/16/25	03/16/25
Pyrene	ND		ug/L	10	1.2	03/16/25	03/16/25
Butylbenzylphthalate	ND		ug/L	10	2.6	03/16/25	03/16/25
3,3'-Dichlorobenzidine	ND		ug/L	25	3.3	03/16/25	03/16/25
Benzo(a)anthracene	ND		ug/L	10	0.81	03/16/25	03/16/25
Chrysene	ND		ug/L	10	0.88	03/16/25	03/16/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.5	03/16/25	03/16/25
Di-n-octylphthalate	ND		ug/L	10	4.8	03/16/25	03/16/25
Benzo(b)fluoranthene	ND		ug/L	10	1.3	03/16/25	03/16/25
Benzo(k)fluoranthene	ND		ug/L	10	1.4	03/16/25	03/16/25
Benzo(a)pyrene	ND		ug/L	10	1.3	03/16/25	03/16/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	2.2	03/16/25	03/16/25
Dibenz(a,h)anthracene	ND		ug/L	10	2.1	03/16/25	03/16/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.8	03/16/25	03/16/25
TIC:2,6-Dichlorophenol	ND		ug/L			03/16/25	03/16/25
TIC:2-Acetylaminofluorene	ND		ug/L			03/16/25	03/16/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			03/16/25	03/16/25
TIC:4-Aminobiphenyl	ND		ug/L			03/16/25	03/16/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			03/16/25	03/16/25
TIC:Acetophenone	ND		ug/L			03/16/25	03/16/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			03/16/25	03/16/25
TIC:Chlorobenzilate	ND		ug/L			03/16/25	03/16/25
TIC:Diallate	ND		ug/L			03/16/25	03/16/25
TIC:Thionazin	ND		ug/L			03/16/25	03/16/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			03/16/25	03/16/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			03/16/25	03/16/25
Surrogates				**Limits**			
2-Fluorophenol	46%		%REC	20-140		03/16/25	03/16/25
Phenol-d6	30%		%REC	20-140		03/16/25	03/16/25
2,4,6-Tribromophenol	69%		%REC	20-140		03/16/25	03/16/25
Nitrobenzene-d5	80%		%REC	20-140		03/16/25	03/16/25
2-Fluorobiphenyl	74%		%REC	20-140		03/16/25	03/16/25
Terphenyl-d14	82%		%REC	20-140		03/16/25	03/16/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239480**	**Batch:**	**366077**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1239480 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	29.56	75.00	ug/L	39%		13-120
2-Chlorophenol	62.79	75.00	ug/L	84%		31-120
1,4-Dichlorobenzene	55.34	75.00	ug/L	74%		24-120
3-,4-Methylphenol	59.46	75.00	ug/L	79%		29-120
N-Nitroso-di-n-propylamine	79.08	75.00	ug/L	105%		32-120
2,4-Dimethylphenol	73.47	75.00	ug/L	98%		25-120
1,2,4-Trichlorobenzene	59.03	75.00	ug/L	79%		26-120
4-Chloro-3-methylphenol	72.50	75.00	ug/L	97%		39-120
2,4,5-Trichlorophenol	69.16	75.00	ug/L	92%		38-120
Acenaphthene	64.25	75.00	ug/L	86%		33-120
4-Nitrophenol	35.25	75.00	ug/L	47%		12-120
2,4-Dinitrotoluene	76.76	75.00	ug/L	102%		46-120
Pentachlorophenol	54.18	75.00	ug/L	72%		37-120
Pyrene	68.29	75.00	ug/L	91%		47-120
Chrysene	72.07	75.00	ug/L	96%		48-120
Benzo(b)fluoranthene	70.65	75.00	ug/L	94%		46-120
Surrogates						
2-Fluorophenol	23.11	40.00	ug/L	58%		20-140
Phenol-d6	15.67	40.00	ug/L	39%		20-140
2,4,6-Tribromophenol	35.07	40.00	ug/L	88%		20-140
Nitrobenzene-d5	38.26	40.00	ug/L	96%		20-140
2-Fluorobiphenyl	33.42	40.00	ug/L	84%		20-140
Terphenyl-d14	36.56	40.00	ug/L	91%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1239481**	**Batch:**	**366077**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1239481 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	25.72	75.00	ug/L	34%		13-120	14	62
2-Chlorophenol	54.21	75.00	ug/L	72%		31-120	15	62
1,4-Dichlorobenzene	48.38	75.00	ug/L	65%		24-120	13	64
3-,4-Methylphenol	49.86	75.00	ug/L	66%		29-120	18	62
N-Nitroso-di-n-propylamine	66.84	75.00	ug/L	89%		32-120	17	65
2,4-Dimethylphenol	61.72	75.00	ug/L	82%		25-120	17	64
1,2,4-Trichlorobenzene	51.95	75.00	ug/L	69%		26-120	13	63
4-Chloro-3-methylphenol	63.44	75.00	ug/L	85%		39-120	13	58
2,4,5-Trichlorophenol	60.79	75.00	ug/L	81%		38-120	13	59
Acenaphthene	57.26	75.00	ug/L	76%		33-120	11	52
4-Nitrophenol	32.81	75.00	ug/L	44%		12-120	7	63
2,4-Dinitrotoluene	71.71	75.00	ug/L	96%		46-120	7	41
Pentachlorophenol	51.96	75.00	ug/L	69%		37-120	4	42
Pyrene	65.37	75.00	ug/L	87%		47-120	4	43
Chrysene	70.52	75.00	ug/L	94%		48-120	2	46
Benzo(b)fluoranthene	69.58	75.00	ug/L	93%		46-120	2	47
Surrogates								
2-Fluorophenol	18.84	40.00	ug/L	47%		20-140		
Phenol-d6	12.74	40.00	ug/L	32%		20-140		
2,4,6-Tribromophenol	31.78	40.00	ug/L	79%		20-140		
Nitrobenzene-d5	32.43	40.00	ug/L	81%		20-140		
2-Fluorobiphenyl	28.96	40.00	ug/L	72%		20-140		
Terphenyl-d14	34.45	40.00	ug/L	86%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1239545		**Batch:** 366091
Matrix: Water	**Method:** EPA 8270C-SIM		**Prep Method:** EPA 3510C

QC1239545 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.19	03/16/25	03/16/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	03/16/25	03/16/25
Naphthalene	ND		ug/L	0.50	0.20	03/16/25	03/16/25
Acenaphthylene	ND		ug/L	0.50	0.21	03/16/25	03/16/25
Acenaphthene	ND		ug/L	0.50	0.17	03/16/25	03/16/25
Fluorene	ND		ug/L	0.50	0.17	03/16/25	03/16/25
Phenanthrene	ND		ug/L	0.50	0.19	03/16/25	03/16/25
Anthracene	ND		ug/L	0.50	0.18	03/16/25	03/16/25
Fluoranthene	ND		ug/L	0.50	0.17	03/16/25	03/16/25
Pyrene	ND		ug/L	0.50	0.16	03/16/25	03/16/25
Benzo(a)anthracene	ND		ug/L	0.50	0.15	03/16/25	03/16/25
Chrysene	ND		ug/L	0.50	0.16	03/16/25	03/16/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.16	03/16/25	03/16/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.16	03/16/25	03/16/25
Benzo(a)pyrene	ND		ug/L	0.50	0.13	03/16/25	03/16/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.14	03/16/25	03/16/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.19	03/16/25	03/16/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.20	03/16/25	03/16/25
Surrogates				**Limits**			
Nitrobenzene-d5	82%		%REC	16-125		03/16/25	03/16/25
2-Fluorobiphenyl	80%		%REC	17-120		03/16/25	03/16/25
Terphenyl-d14	98%		%REC	39-123		03/16/25	03/16/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239546**	**Batch:**	**366091**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1239546 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.481	4.000	ug/L	87%		23-120
2-Methylnaphthalene	3.385	4.000	ug/L	85%		33-120
Naphthalene	3.271	4.000	ug/L	82%		38-120
Acenaphthylene	3.413	4.000	ug/L	85%		37-120
Acenaphthene	3.219	4.000	ug/L	80%		39-120
Fluorene	3.481	4.000	ug/L	87%		43-120
Phenanthrene	3.245	4.000	ug/L	81%		42-120
Anthracene	3.318	4.000	ug/L	83%		42-120
Fluoranthene	3.473	4.000	ug/L	87%		48-120
Pyrene	3.495	4.000	ug/L	87%		44-120
Benzo(a)anthracene	3.558	4.000	ug/L	89%		51-126
Chrysene	3.517	4.000	ug/L	88%		47-120
Benzo(b)fluoranthene	3.313	4.000	ug/L	83%		44-127
Benzo(k)fluoranthene	3.448	4.000	ug/L	86%		43-127
Benzo(a)pyrene	3.324	4.000	ug/L	83%		29-124
Indeno(1,2,3-cd)pyrene	3.594	4.000	ug/L	90%		44-127
Dibenz(a,h)anthracene	3.711	4.000	ug/L	93%		55-120
Benzo(g,h,i)perylene	3.472	4.000	ug/L	87%		46-120
Surrogates						
Nitrobenzene-d5	3.338	4.000	ug/L	83%		16-125
2-Fluorobiphenyl	3.376	4.000	ug/L	84%		17-120
Terphenyl-d14	3.921	4.000	ug/L	98%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1239547**	**Batch:**	**366091**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1239547 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.517	4.000	ug/L	88%		23-120	1	20
2-Methylnaphthalene	3.405	4.000	ug/L	85%		33-120	1	20
Naphthalene	3.297	4.000	ug/L	82%		38-120	1	20
Acenaphthylene	3.437	4.000	ug/L	86%		37-120	1	20
Acenaphthene	3.190	4.000	ug/L	80%		39-120	1	20
Fluorene	3.390	4.000	ug/L	85%		43-120	3	20
Phenanthrene	3.258	4.000	ug/L	81%		42-120	0	20
Anthracene	3.314	4.000	ug/L	83%		42-120	0	20
Fluoranthene	3.471	4.000	ug/L	87%		48-120	0	20
Pyrene	3.512	4.000	ug/L	88%		44-120	0	20
Benzo(a)anthracene	3.490	4.000	ug/L	87%		51-126	2	20
Chrysene	3.538	4.000	ug/L	88%		47-120	1	20
Benzo(b)fluoranthene	3.486	4.000	ug/L	87%		44-127	5	20
Benzo(k)fluoranthene	3.538	4.000	ug/L	88%		43-127	3	20
Benzo(a)pyrene	3.322	4.000	ug/L	83%		29-124	0	20
Indeno(1,2,3-cd)pyrene	3.625	4.000	ug/L	91%		44-127	1	20
Dibenz(a,h)anthracene	3.754	4.000	ug/L	94%		55-120	1	20
Benzo(g,h,i)perylene	3.508	4.000	ug/L	88%		46-120	1	20
Surrogates								
Nitrobenzene-d5	3.207	4.000	ug/L	80%		16-125		
2-Fluorobiphenyl	3.225	4.000	ug/L	81%		17-120		
Terphenyl-d14	3.793	4.000	ug/L	95%		39-123		

Type:	**Blank**	**Lab ID:**	**QC1239833**	**Batch:**	**366177**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1239833 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	03/17/25	03/18/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239834**	**Batch:**	**366177**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1239834 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1023	0.1000	mg/L	102%		76-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1239835**	**Batch:**	**366177**
Matrix (Source ID):	**Water (528198-002)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1239835 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1039	ND	0.1000	mg/L	104%		65-121	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1239836**	**Batch:**	**366177**
Matrix (Source ID):	**Water (528198-002)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1239836 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.09892	ND	0.1000	mg/L	99%		65-121	5	30	0.5

Type:	**Blank**	**Lab ID:**	**QC1239432**	**Batch:**	**366066**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1239432 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/15/25	03/15/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1239433**	**Batch:**	**366066**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1239433 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1239434**	**Batch:**	**366066**
Matrix (Source ID):	**Water (528700-002)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1239434 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1239435**	**Batch:**	**366066**
Matrix (Source ID):	**Water (528700-002)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1239435 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

* Value is outside QC limits
ND Not Detected

Laboratory Job Number 528896

Subcontracted Products

Pace Laboratories

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

April 01, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528896
Pace Project No.: 30765485

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 528896
Pace Project No.: 30765485

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30765485001	**SOUTH BASIN STAGE 2**	Water	03/14/25 13:30	03/19/25 13:25
30765485002	**SOUTH BASIN OUTLET**	Water	03/14/25 13:00	03/19/25 13:25

REPORT OF LABORATORY ANALYSIS

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25-04546

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504546

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 2	14-MAR-2025 13:30	528896-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN OUTLET	14-MAR-2025 13:00	528896-002	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	L. Dinkargoy EA-ORA	
	Date: 3/18/25 1500	Date: 3/19/25 13 25
	Date:	Date:
	Date:	Date:

CHK BY MPI
DISTRIBUTION SUM
SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page ___ Of ___

Submission #: 25-04546

SHIPPING INFORMATION
Fed Ex ☐ UPS ☑ GSO / GLS ☑ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☑
(W) / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: N/A Thermometer ID: 174

Temperature: (A) 2.7 °C / (C) 2.7 °C

Date/Time 3/14/25

Analyst Init JM 1325

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER (6)	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: FJC Date/Time: 3/19/25 1607

A = Actual / C = Corrected

Date of Report: 03/31/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project:	[none]
Pace Project:	Chiquita Canyon Landfill Stormwater
Pace Work Order:	2504546
Invoice ID:	B514527

Enclosed are the results of analyses for samples received by the laboratory on 3/19/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

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25-04546

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504546

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 2	14-MAR-2025 13:30	528896-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN OUTLET	14-MAR-2025 13:00	528896-002	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	L. Dautegra EA-ORA	
	Date: 3/18/25 1500	Date: 3/19/25 1325
	Date:	Date:
	Date:	Date:

CHK BY MP1
DISTRIBUTION SUM
SUB OUT

1 of 1

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 1

Submission #: 25-04546

SHIPPING INFORMATION
Fed Ex ☐ UPS ☒ GSO / GLS ☑ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☒
(W) / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ — Containers ☐ Intact? Yes ☐ No ☐ — None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 174
Temperature: (A) 2.7 °C / (C) 2.7 °C
Date/Time 3/14/25
Analyst Init 1335

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: TJC Date/Time: 3/19/25 1102
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2504546-01	**COC Number:**	---	**Receive Date:**	03/19/2025 13:25
	Project Number:	---	**Sampling Date:**	03/14/2025 13:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	South Basin Stage 2	**Lab Matrix:**	Water
	Sampled By:	Zachary Barker	**Sample Type:**	Water
2504546-02	**COC Number:**	---	**Receive Date:**	03/19/2025 13:25
	Project Number:	---	**Sampling Date:**	03/14/2025 13:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	South Basin Outlet	**Lab Matrix:**	Water
	Sampled By:	Zachary Barker	**Sample Type:**	Water

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2504546-01 | **Client Sample Name:** South Basin Stage 2, 3/14/2025 1:30:00PM, Zachary Barker

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	1.0	0.24	EPA-8141A	ND	A10	1
Bolstar	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Chlorpyrifos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Coumaphos	ND	ug/L	1.0	0.22	EPA-8141A	ND	A10	1
Demeton O/S	ND	ug/L	0.40	0.11	EPA-8141A	ND	A10	1
Diazinon	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Dichlorvos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Disulfoton	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Ethoprop	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Fensulfothion	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Fenthion	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Merphos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Methyl parathion	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Mevinphos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Naled	ND	ug/L	1.0	0.34	EPA-8141A	ND	A10	1
Phorate	ND	ug/L	0.40	0.13	EPA-8141A	ND	A10	1
Ronnel (Fenchlorphos)	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.40	0.16	EPA-8141A	ND	A10	1
Tokuthion (Prothiofos)	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Trichloronate	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Triphenylphosphate (Surrogate)	88.8	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	03/21/25 16:50	03/26/25 10:31	HAH	GC-18	2	B208892	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2504546-02 | **Client Sample Name:** South Basin Outlet, 3/14/2025 1:00:00PM, Zachary Barker

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	1.0	0.24	EPA-8141A	ND	A10	1
Bolstar	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Chlorpyrifos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Coumaphos	ND	ug/L	1.0	0.22	EPA-8141A	ND	A10	1
Demeton O/S	ND	ug/L	0.40	0.11	EPA-8141A	ND	A10	1
Diazinon	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Dichlorvos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Disulfoton	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Ethoprop	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Fensulfothion	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Fenthion	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Merphos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Methyl parathion	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Mevinphos	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Naled	ND	ug/L	1.0	0.34	EPA-8141A	ND	A10	1
Phorate	ND	ug/L	0.40	0.13	EPA-8141A	ND	A10	1
Ronnel (Fenchlorphos)	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.40	0.16	EPA-8141A	ND	A10	1
Tokuthion (Prothiofos)	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Trichloronate	ND	ug/L	0.40	0.10	EPA-8141A	ND	A10	1
Triphenylphosphate (Surrogate)	79.6	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	03/21/25 16:50	03/26/25 11:01	HAH	GC-18	2	B208892	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B208892							
Azinphos methyl	B208892-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B208892-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B208892-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B208892-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B208892-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B208892-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B208892-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B208892-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B208892-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B208892-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B208892-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B208892-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B208892-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B208892-BLK1	ND	ug/L	0.20	0.050		1
Naled	B208892-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B208892-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B208892-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B208892-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B208892-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B208892-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	**B208892-BLK1**	**105**	%	**50 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208892-BLK1	PB	EPA-8141A	03/21/25	03/26/25 04:06	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B208892											
Bolstar	B208892-BS1	LCS	1.5700	2.0000	ug/L	78.5		50 - 130			1
	B208892-BSD1	LCSD	1.9150	2.0000	ug/L	95.8	19.8	50 - 130	30		2
Chlorpyrifos	B208892-BS1	LCS	1.8600	2.0000	ug/L	93.0		60 - 120			1
	B208892-BSD1	LCSD	1.9200	2.0000	ug/L	96.0	3.2	60 - 120	30		2
Diazinon	B208892-BS1	LCS	1.9700	2.0000	ug/L	98.5		60 - 130			1
	B208892-BSD1	LCSD	1.8300	2.0000	ug/L	91.5	7.4	60 - 130	30		2
Methyl parathion	B208892-BS1	LCS	1.7850	2.0000	ug/L	89.2		60 - 120			1
	B208892-BSD1	LCSD	1.9750	2.0000	ug/L	98.8	10.1	60 - 120	30		2
Mevinphos	B208892-BS1	LCS	2.1550	2.0000	ug/L	108		50 - 120			1
	B208892-BSD1	LCSD	2.2000	2.0000	ug/L	110	2.1	50 - 120	30		2
Ronnel (Fenchlorphos)	B208892-BS1	LCS	1.7450	2.0000	ug/L	87.2		50 - 120			1
	B208892-BSD1	LCSD	1.8900	2.0000	ug/L	94.5	8.0	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	B208892-BS1	LCS	1.9300	2.0000	ug/L	96.5		50 - 120			1
	B208892-BSD1	LCSD	2.1300	2.0000	ug/L	106	9.9	50 - 120	30		2
Triphenylphosphate (Surrogate)	B208892-BS1	LCS	2.6050	2.5000	ug/L	104		50 - 130			1
	B208892-BSD1	LCSD	2.5950	2.5000	ug/L	104	0.4	50 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B208892-BS1	LCS	EPA-8141A	03/21/25	03/26/25 04:36	HAH	GC-18	1
2	B208892-BSD1	LCSD	EPA-8141A	03/21/25	03/26/25 05:06	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.

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Laboratory Job Number 528896

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2503C63

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: PO-079649
Project: EO-528896

Project Location:
Project Received: 03/19/2025

Analytical Report reviewed & approved for release on 03/25/2025 by:

Jena Alfaro
Project Manager

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1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503C63

Project: EO-528896

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503C63

Project: EO-528896

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

S	Surrogate recovery outside accepted recovery limits.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503C63
Date Received:	03/19/2025 10:45	**Extraction Method:**	SW8151A
Date Prepared:	03/19/2025	**Analytical Method:**	SW8151A
Project:	EO-528896	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN STAGE 2	2503C63-001A	Water	03/14/2025 13:30	GC15A 03212570.D	313614

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	03/22/2025 13:43
Bentazon	ND	4.1	10	10	03/22/2025 13:43
Chloramben	ND	3.1	10	10	03/22/2025 13:43
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	03/22/2025 13:43
2,4-DB	ND	2.1	10	10	03/22/2025 13:43
Dalapon	ND	3.9	10	10	03/22/2025 13:43
DCPA (mono & diacid)	ND	1.4	10	10	03/22/2025 13:43
Dicamba	ND	0.59	2.0	10	03/22/2025 13:43
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	03/22/2025 13:43
Dichloroprop	ND	1.8	10	10	03/22/2025 13:43
Dinoseb (DNBP)	ND	1.8	10	10	03/22/2025 13:43
MCPA	ND	14	20	10	03/22/2025 13:43
MCPP	ND	7.7	20	10	03/22/2025 13:43
4-Nitrophenol	ND	5.0	10	10	03/22/2025 13:43
Pentachlorophenol (PCP)	ND	0.55	2.0	10	03/22/2025 13:43
Picloram	ND	3.5	10	10	03/22/2025 13:43
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	03/22/2025 13:43
2,4,5-TP (Silvex)	ND	1.4	5.0	10	03/22/2025 13:43

Surrogates	REC (%)	Qualifiers	Limits	
DCAA	0	S	60-140	03/22/2025 13:43

Analyst(s): DP Analytical Comments: a3

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503C63
Date Received:	03/19/2025 10:45	**Extraction Method:**	SW8151A
Date Prepared:	03/19/2025	**Analytical Method:**	SW8151A
Project:	EO-528896	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN OUTLET	2503C63-002A	Water	03/14/2025 13:00	GC15A 03212571.D	313614

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	03/22/2025 14:08
Bentazon	ND	4.1	10	10	03/22/2025 14:08
Chloramben	ND	3.1	10	10	03/22/2025 14:08
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	03/22/2025 14:08
2,4-DB	ND	2.1	10	10	03/22/2025 14:08
Dalapon	ND	3.9	10	10	03/22/2025 14:08
DCPA (mono & diacid)	ND	1.4	10	10	03/22/2025 14:08
Dicamba	ND	0.59	2.0	10	03/22/2025 14:08
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	03/22/2025 14:08
Dichloroprop	ND	1.8	10	10	03/22/2025 14:08
Dinoseb (DNBP)	ND	1.8	10	10	03/22/2025 14:08
MCPA	ND	14	20	10	03/22/2025 14:08
MCPP	ND	7.7	20	10	03/22/2025 14:08
4-Nitrophenol	ND	5.0	10	10	03/22/2025 14:08
Pentachlorophenol (PCP)	ND	0.55	2.0	10	03/22/2025 14:08
Picloram	ND	3.5	10	10	03/22/2025 14:08
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	03/22/2025 14:08
2,4,5-TP (Silvex)	ND	1.4	5.0	10	03/22/2025 14:08

Surrogates	REC (%)	Limits	
DCAA	83	60-140	03/22/2025 14:08

Analyst(s): DP Analytical Comments: a3

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503C63
Date Prepared:	03/19/2025	**BatchID:**	313614
Date Analyzed:	03/22/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528896	**Sample ID:**	MB/LCS/LCSD-313614

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.7			10	97	70-130

(Cont.)

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503C63
Date Prepared:	03/19/2025	**BatchID:**	313614
Date Analyzed:	03/22/2025	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528896	**Sample ID:**	MB/LCS/LCSD-313614

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	9.6	9.2	10	96	92	70-130	4.23	30
Bentazon	10	9.4	10	101	94	70-130	7.18	30
Chloramben	12	11	10	117	113	70-130	3.36	30
2,4-D (Dichlorophenoxyacetic acid)	11	10	10	107	104	70-130	2.71	30
2,4-DB	9.0	9.1	10	90	91	70-130	1.21	30
Dalapon	11	10	10	113	103	70-130	9.29	30
DCPA (mono & diacid)	11	10	10	107	100	70-130	7.12	30
Dicamba	11	10	10	105	100	70-130	4.98	30
3,5-Dichlorobenzoic Acid	10	9.7	10	103	97	70-130	6.14	30
Dichloroprop	11	11	10	112	107	70-130	4.25	30
Dinoseb (DNBP)	10	10	10	100	101	70-130	0.684	30
MCPA	97	93	100	97	93	70-130	4.43	30
MCPP	110	94	100	110	94	70-130	15.3	30
4-Nitrophenol	4.2	4.0	10	42,F2	40,F2	70-130	6.20	30
Pentachlorophenol (PCP)	11	10	10	106	102	70-130	3.72	30
Picloram	10	9.4	10	101	94	70-130	6.53	30
2,4,5-T (Trichlorophenoxy acetic acid)	11	11	10	108	106	70-130	1.79	30
2,4,5-TP (Silvex)	10	10	10	105	102	70-130	2.52	30
Surrogate Recovery								
DCAA	9.6	9.1	10	96	91	70-130	5.31	30

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Pittsburg, CA 94565-1701
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503C63 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-528896

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **03/19/2025**
Date Logged: **03/19/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503C63-001	SOUTH BASIN STAGE 2	Water	3/14/2025 13:30	☐	A	A										
2503C63-002	SOUTH BASIN OUTLET	Water	3/14/2025 13:00	☐	A	A										

Test Legend:

1	8151_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-528896
Comments:

Work Order: 2503C63
QC Level: LEVEL 2
Date Logged: 3/19/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN STAGE 2	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/14/2025 13:30	2 days	3/21/2025	Present	☐	☐
002A	SOUTH BASIN OUTLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/14/2025 13:00	2 days	3/21/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

HOLD TIME RUSH

2503C63

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 2	14-MAR-2025 13:30	528896-001	1	Water	EPA 8151A Chlorinated Herbicides	
SOUTH BASIN OUTLET	14-MAR-2025 13:00	528896-002	1	Water	EPA 8151A Chlorinated Herbicides	

Notes:	Relinquished By:	Received By:
	J. Quintero EA-ORA	GLS
	Date: 3/18/25 1500	Date:
	Date:	Date:
	GLS	Paola Murillo 1045 AM
	Date:	Date: 3/19/25

1 of 1

GLS: 562774236

4 wet 4236

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/19/2025 10:45
Project:	EO-528896	Date Logged:	3/19/2025
		Received by:	Carolina Garcia
WorkOrder №:	2503C63 Matrix:	Logged by:	Carolina Garcia
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 0.4°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Laboratory Job Number 528896

Subcontracted Products

Enthalpy - El Dorado Hills

March 28, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2503185

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 19, 2025 under your Project Name 'EO-528896'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2503185
Case Narrative

Sample Condition on Receipt:

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2503185-01	SOUTH BASIN STAGE 2	14-Mar-25 13:30	19-Mar-25 12:02	Amber Glass NM Bottle, 1L
2503185-02	SOUTH BASIN OUTLET	14-Mar-25 13:00	19-Mar-25 12:02	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-528896
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C306-BLK1
QC Batch: B25C306 Date Extracted: 25-Mar-25
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		26-Mar-25 15:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	88.6	40 - 135		26-Mar-25 15:38	1
37Cl-2,3,7,8-TCDD	CRS	113	40 - 135		26-Mar-25 15:38	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: OPR **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-528896
Matrix: Aqueous

Laboratory Data
Lab Sample: B25C306-BS1
QC Batch: B25C306 Date Extracted: 25-Mar-25 04:05
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	197	200	98.4	70-130		26-Mar-25 12:58	1
Labeled Standards	**Type**		**% Recovery**	**Limits**	**Qualifiers**	**Analyzed**	**Dilution**
13C-2,3,7,8-TCDD	IS		92.1	40-135		26-Mar-25 12:58	1
37Cl-2,3,7,8-TCDD	CRS		106	40-135		26-Mar-25 12:58	1

Sample ID: SOUTH BASIN STAGE 2 **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-528896
Matrix: Water
Date Collected: 14-Mar-25 13:30

Laboratory Data

Lab Sample: 2503185-01
QC Batch: B25C306
Sample Size: 1.04 L
Date Received: 19-Mar-25 12:02
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.71	4.80		26-Mar-25 20:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	92.3	40 - 135		26-Mar-25 20:10	1
37Cl-2,3,7,8-TCDD	CRS	104	40 - 135		26-Mar-25 20:10	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: SOUTH BASIN OUTLET **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-528896
Matrix: Water
Date Collected: 14-Mar-25 13:00

Laboratory Data

Lab Sample: 2503185-02
QC Batch: B25C306
Sample Size: 1.05 L
Date Received: 19-Mar-25 12:02
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.70	4.78		26-Mar-25 17:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	94.7	40 - 135		26-Mar-25 17:09	1
37Cl-2,3,7,8-TCDD	CRS	103	40 - 135		26-Mar-25 17:09	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503185 3.0°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 2	14-MAR-2025 13:30	528896-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	
SOUTH BASIN OUTLET	14-MAR-2025 13:00	528896-002	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	J. Quintero EA-ORA	Lauren M
	Date: 3/18/25 1500	Date: 03/18/25 12:02
	Date:	Date:
	Date:	Date:

1 of 1

CoC/Label Reconciliation Report WO# 2503185

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2503185-01	A SOUTH BASIN STAGE 2	☑ (a)	528896-001	14-Mar-25 13:30	☑	Amber Glass NM Bottle, 1L	Aqueous	
2503185-02	A SOUTH BASIN OUTLET	☑	528896-002	14-Mar-25 13:00	☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments: (a) no backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: WWB 03/19/25

WWB 03/19/2025

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528898
Report Level : II
Report Date : 03/28/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	528898 SW - MPARS SW - MPARS 03/14/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN STAGE 2	528898-001	03/14/25 13:30	Water
SOUTH BASIN OUTLET	528898-002	03/14/25 13:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 528898 Project No: SW - MPARS Location: SW - MPARS Date Received: 03/14/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 200.7 and EPA 200.8):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 366876; affected data was qualified with "E".
- No other analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: S28898

Page: 4 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL METALS	8260 + APPENDIX II	300.0 NO3,BROMINE, FLURIDE, SO4	TOC	COD	8270 SIM 1 4-DIONANE	SLK, BICARB, TDS	SULFIDE		
1	SOUTH BASIN STAGE 2	03/14/25	1330	W	12	6,2,4,1	X	X	X	X	X	X	X	X		
2	SOUTH BASIN OUTLET	03/14/25	1300	W	12	6,2,4,1	X	X	X	X	X	X	X	X		
3																
4																
5																
6																
7																
8																
9																
10																

Analysis Request

Test Instructions / Commen

MPARS

9.2 IR11

9.3

Email report to:

Login S28898

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Matt Tuggle	CTEH	3/14/25 1800
[1] Received By:		Hoss Darae	EA	3.14.25 18:0
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 03/14/25 WO# 528898 Client: Waste Connections

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) IHX1/0 EP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR1 CF: +0.1

Cooler Temp (°C) #1: 9.2 / 9.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 03/14/25 **By (print)** FPDIWA **(sign)** _____

Date Labeled 03/14/25 **By (print)** MSH ARA **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 528898

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528898
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 03/14/25

Sample ID: SOUTH BASIN STAGE 2 **Lab ID: 528898-001** **Collected: 03/14/25 13:30**
Matrix: Water

528898-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**81**		mg/L	0.57	0.57	1	366136	03/17/25	03/17/25	CAP
Magnesium	**13**		mg/L	0.10	0.025	1	366136	03/17/25	03/17/25	CAP
Potassium	**10**		mg/L	0.50	0.42	1	366136	03/17/25	03/17/25	CAP
Sodium	**60**		mg/L	0.50	0.34	1	366136	03/17/25	03/17/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**440**		ug/L	250	140	25	366121	03/17/25	03/17/25	KAM
Manganese	**95**		ug/L	50	21	5	366121	03/17/25	03/17/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.16**	J	mg/L	0.20	0.034	1	366876	03/24/25 16:12	03/24/25 20:41	BPH
Nitrogen, Nitrite	**0.03**	J	mg/L	0.10	0.02	1	365967	03/14/25 14:30	03/14/25 21:56	BPH
Bromide	**0.39**		mg/L	0.30	0.060	1	365967	03/14/25 14:30	03/14/25 21:56	BPH
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	365967	03/14/25 14:30	03/14/25 21:56	BPH
Sulfate	**190**		mg/L	10	2.5	10	365967	03/14/25 14:30	03/14/25 22:17	BPH
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	**190**		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	**29**	J	ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528898

528898-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	**0.2**	J	ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	104%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	96%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528898

528898-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	**7.9**		ug/L	1.0	0.95	1	366150	03/17/25	03/18/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	366150	03/17/25	03/18/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366066	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**36**		mg/L	1.0	0.68	1	366414	03/19/25	03/20/25	TDD
Method: SM2130B										
Turbidity	**75**		NTU	0.10	0.009	1	366032	03/15/25 07:30	03/15/25 07:30	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**160**		mg/L	6.0		2.5	366651	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**130**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**840**		umhos/cm	1.0		1	366897	03/24/25	03/24/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**560**		mg/L	20		2	366327	03/18/25	03/19/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**120**		mg/L	4.0	2.0	1	366771	03/23/25	03/23/25	TDD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528898

Sample ID: SOUTH BASIN OUTLET	Lab ID: 528898-002	Collected: 03/14/25 13:00
	Matrix: Water	

528898-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**82**		mg/L	0.57	0.57	1	366165	03/17/25	03/17/25	CAP
Magnesium	**12**		mg/L	0.10	0.025	1	366165	03/17/25	03/17/25	CAP
Potassium	**9.7**		mg/L	0.50	0.40	1	366165	03/17/25	03/17/25	CAP
Sodium	**59**		mg/L	0.50	0.35	1	366165	03/17/25	03/17/25	CAP
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**310**		ug/L	250	140	25	366121	03/17/25	03/17/25	KAM
Manganese	**98**		ug/L	50	21	5	366121	03/17/25	03/17/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.16**	J	mg/L	0.20	0.034	1	366876	03/24/25 16:12	03/24/25 21:22	BPH
Nitrogen, Nitrite	**0.03**	J	mg/L	0.10	0.02	1	365967	03/14/25 14:30	03/14/25 23:19	BPH
Bromide	**0.40**		mg/L	0.30	0.060	1	365967	03/14/25 14:30	03/14/25 23:19	BPH
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	365967	03/14/25 14:30	03/14/25 23:19	BPH
Sulfate	**200**		mg/L	10	2.5	10	365967	03/14/25 14:30	03/14/25 23:40	BPH
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	366085	03/16/25	03/16/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Acetone	**190**		ug/L	100	44	1	366085	03/16/25	03/16/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	366085	03/16/25	03/16/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
2-Butanone	**31**	J	ug/L	100	2.3	1	366085	03/16/25	03/16/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 528898

528898-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	1	366085	03/16/25	03/16/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	366085	03/16/25	03/16/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	366085	03/16/25	03/16/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	366085	03/16/25	03/16/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
para-Isopropyl Toluene	**0.2**	J	ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	366085	03/16/25	03/16/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	366085	03/16/25	03/16/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	366085	03/16/25	03/16/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	366085	03/16/25	03/16/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	366085	03/16/25	03/16/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	366085	03/16/25	03/16/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	366085	03/16/25	03/16/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	366085	03/16/25	03/16/25	ZST
Xylene (total)	ND		ug/L	5.0		1	366085	03/16/25	03/16/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	111%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
1,2-Dichloroethane-d4	103%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Toluene-d8	94%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Bromofluorobenzene	100%		%REC	70-130		1	366085	03/16/25	03/16/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	**7.9**		ug/L	1.0	0.95	1	366150	03/17/25	03/18/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	366150	03/17/25	03/18/25	ZFA

Results for any subcontracted analyses are not included in this section.

Analysis Results for 528898

528898-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	366066	03/15/25	03/15/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**40**		mg/L	1.0	0.68	1	366414	03/19/25	03/20/25	TDD
Method: SM2130B										
Turbidity	**54**		NTU	0.10	0.009	1	366032	03/15/25 07:30	03/15/25 07:30	ARM
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**160**		mg/L	6.0		2.5	366651	03/21/25	03/21/25	WWC
Alkalinity, Total as CaCO3	**130**		mg/L	5.0		2.5	366651	03/21/25	03/21/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**800**		umhos/cm	1.0		1	366897	03/24/25	03/24/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**560**		mg/L	20		2	366327	03/18/25	03/19/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**130**		mg/L	4.0	2.0	1	366771	03/23/25	03/23/25	TDD

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1239697	Batch: 366136
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239697 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/17/25	03/17/25
Magnesium	ND		mg/L	0.10	0.025	03/17/25	03/17/25
Potassium	ND		mg/L	0.50	0.42	03/17/25	03/17/25
Sodium	ND		mg/L	0.50	0.34	03/17/25	03/17/25

Type: Lab Control Sample	Lab ID: QC1239698	Batch: 366136
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239698 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	21.26	20.40	mg/L	104%		85-115
Magnesium	21.53	20.40	mg/L	106%		85-115
Potassium	23.91	24.00	mg/L	100%		85-115
Sodium	20.67	20.40	mg/L	101%		85-115

Type: Matrix Spike	Lab ID: QC1239699	Batch: 366136
Matrix (Source ID): Water (528847-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239699 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	127.6	109.7	20.40	mg/L	88%	NM	75-125	1
Magnesium	27.41	6.923	20.40	mg/L	100%		75-125	1
Potassium	26.30	3.011	24.00	mg/L	97%		75-125	1
Sodium	49.51	30.12	20.40	mg/L	95%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1239700	Batch: 366136
Matrix (Source ID): Water (528847-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239700 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	126.6	109.7	20.40	mg/L	83%	NM	75-125	1	20	1
Magnesium	27.20	6.923	20.40	mg/L	99%		75-125	1	20	1
Potassium	26.03	3.011	24.00	mg/L	96%		75-125	1	20	1
Sodium	49.01	30.12	20.40	mg/L	93%		75-125	1	20	1

Type: Matrix Spike	Lab ID: QC1239701	Batch: 366136
Matrix (Source ID): Water (528847-002)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1239701 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	556.3	515.6	20.40	mg/L	199%	NM	75-125	1
Magnesium	22.88	3.872	20.40	mg/L	93%		75-125	1
Potassium	42.82	18.31	24.00	mg/L	102%		75-125	1
Sodium	32.57	11.88	20.40	mg/L	101%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239702	Batch:	366136
Matrix (Source ID):	Water (528847-002)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239702 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	558.6	515.6	20.40	mg/L	211%	NM	75-125	0	20	1
Magnesium	23.24	3.872	20.40	mg/L	95%		75-125	2	20	1
Potassium	43.07	18.31	24.00	mg/L	103%		75-125	1	20	1
Sodium	32.80	11.88	20.40	mg/L	103%		75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1239899	Batch:	366136
Matrix (Source ID):	Water (528847-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239899 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	112.5	109.7	mg/L				5
Magnesium	7.067	6.923	mg/L				5
Potassium	3.117	3.011	mg/L				5
Sodium	30.46	30.12	mg/L				5

Type:	Blank	Lab ID:	QC1239784	Batch:	366165
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239784 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	03/17/25	03/17/25
Magnesium	ND		mg/L	0.10	0.025	03/17/25	03/17/25
Potassium	ND		mg/L	0.50	0.40	03/17/25	03/17/25
Sodium	ND		mg/L	0.50	0.35	03/17/25	03/17/25

Type:	Lab Control Sample	Lab ID:	QC1239785	Batch:	366165
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239785 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	20.16	20.40	mg/L	99%		85-115
Magnesium	19.55	20.40	mg/L	96%		85-115
Potassium	22.50	24.00	mg/L	94%		85-115
Sodium	19.55	20.40	mg/L	96%		85-115

Type:	Matrix Spike	Lab ID:	QC1239786	Batch:	366165
Matrix (Source ID):	Filtrate (528783-008)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239786 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	245.1	229.8	20.40	mg/L	75%	NM	75-125	1
Magnesium	90.40	72.27	20.40	mg/L	89%		75-125	1
Potassium	30.99	7.266	24.00	mg/L	99%		75-125	1
Sodium	723.4	713.9	20.40	mg/L	47%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239787	Batch:	366165
Matrix (Source ID):	Filtrate (528783-008)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239787 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	244.8	229.8	20.40	mg/L	73%	NM	75-125	0	20	1
Magnesium	90.48	72.27	20.40	mg/L	89%		75-125	0	20	1
Potassium	31.33	7.266	24.00	mg/L	100%		75-125	1	20	1
Sodium	718.3	713.9	20.40	mg/L	22%	NM	75-125	1	20	1

Type:	Serial Dilution	Lab ID:	QC1239818	Batch:	366165
Matrix (Source ID):	Filtrate (528783-008)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1239818 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	238.0	229.8	mg/L				5
Magnesium	74.44	72.27	mg/L				5
Potassium	6.412	7.266	mg/L				5
Sodium	773.9	713.9	mg/L				5

Type:	Blank	Lab ID:	QC1239630	Batch:	366121
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1239630 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.7	03/17/25	03/17/25
Manganese	ND		ug/L	10	3.4	03/17/25	03/17/25

Type:	Lab Control Sample	Lab ID:	QC1239631	Batch:	366121
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1239631 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	92.44	100.0	ug/L	92%		85-115
Manganese	101.3	100.0	ug/L	101%		85-115

Type:	Matrix Spike	Lab ID:	QC1239632	Batch:	366121
Matrix (Source ID):	Water (528849-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1239632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	155.0	32.50	100.0	ug/L	123%		70-130	25
Manganese	113.6	4.288	100.0	ug/L	109%		70-130	25

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239633	Batch:	366121
Matrix (Source ID):	Water (528849-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1239633 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	148.3	32.50	100.0	ug/L	116%		70-130	4	20	25
Manganese	110.6	4.288	100.0	ug/L	106%		70-130	3	20	25

Type:	Blank	Lab ID:	QC1239098	Batch:	365967
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1239098 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/14/25 14:30	03/14/25 14:58
Bromide	ND		mg/L	0.30	0.060	03/14/25 14:30	03/14/25 14:58
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	03/14/25 14:30	03/14/25 14:58
Sulfate	ND		mg/L	1.0	0.25	03/14/25 14:30	03/14/25 14:58

Type:	Lab Control Sample	Lab ID:	QC1239099	Batch:	365967
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1239099 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	4.518	4.567	mg/L	99%		90-110
Bromide	14.84	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.450	4.518	mg/L	99%		90-110
Sulfate	25.02	25.00	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1239100	Batch:	365967
Matrix (Source ID):	Water (528688-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1239100 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.240	ND	9.134	mg/L	101%		80-120	1
Bromide	15.05	0.1965	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.180	0.1689	9.036	mg/L	100%		80-120	1
Sulfate	73.80	24.82	50.00	mg/L	98%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1239101	Batch:	365967
Matrix (Source ID):	Water (528688-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1239101 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.336	ND	9.134	mg/L	102%		80-120	1	20	1
Bromide	15.23	0.1965	15.00	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	9.324	0.1689	9.036	mg/L	101%		80-120	2	20	1
Sulfate	74.32	24.82	50.00	mg/L	99%		80-120	1	20	1

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1239102	Batch:	365967
Matrix (Source ID):	Water (528844-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1239102 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.263	ND	9.134	mg/L	101%		80-120	1
Bromide	14.96	0.06365	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.355	0.3202	9.036	mg/L	100%		80-120	1
Sulfate	97.55	49.59	50.00	mg/L	96%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1239103	Batch:	365967
Matrix (Source ID):	Water (528844-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1239103 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.338	ND	9.134	mg/L	102%		80-120	1	20	1
Bromide	15.07	0.06365	15.00	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	9.414	0.3202	9.036	mg/L	101%		80-120	1	20	1
Sulfate	97.82	49.59	50.00	mg/L	96%		80-120	0	20	1

Type:	Blank	Lab ID:	QC1242164	Batch:	366876
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1242164 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	03/24/25 16:12	03/24/25 18:02

Type:	Lab Control Sample	Lab ID:	QC1242165	Batch:	366876
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1242165 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.472	10.00	mg/L	95%		90-110

Type:	Matrix Spike	Lab ID:	QC1242199	Batch:	366876
Matrix (Source ID):	Water (528828-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1242199 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.05	0.2514	20.00	mg/L	99%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1242200	Batch:	366876
Matrix (Source ID):	Water (528828-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1242200 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.07	0.2514	20.00	mg/L	99%		80-120	0	20	1

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1239512**	**Batch:**	**366085**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1239512 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	03/16/25	03/16/25
Freon 12	ND		ug/L	5.0	0.3	03/16/25	03/16/25
Chloromethane	ND		ug/L	5.0	0.4	03/16/25	03/16/25
Vinyl Chloride	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Bromomethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Chloroethane	ND		ug/L	5.0	0.3	03/16/25	03/16/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Acetone	ND		ug/L	100	44	03/16/25	03/16/25
Freon 113	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Methylene Chloride	ND		ug/L	5.0	3.5	03/16/25	03/16/25
MTBE	ND		ug/L	5.0	0.1	03/16/25	03/16/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	03/16/25	03/16/25
2-Butanone	ND		ug/L	100	2.3	03/16/25	03/16/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Chloroform	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Bromochloromethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Benzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Trichloroethene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Bromodichloromethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Dibromomethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.9	03/16/25	03/16/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Toluene	ND		ug/L	5.0	0.3	03/16/25	03/16/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Tetrachloroethene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Dibromochloromethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	03/16/25	03/16/25
Chlorobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Ethylbenzene	ND		ug/L	5.0	0.07	03/16/25	03/16/25
m,p-Xylenes	ND		ug/L	10	0.1	03/16/25	03/16/25
o-Xylene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
Styrene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Bromoform	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Isopropylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	03/16/25	03/16/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	03/16/25	03/16/25

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Batch QC

QC1239512 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
Bromobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	03/16/25	03/16/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
n-Butylbenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	03/16/25	03/16/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	03/16/25	03/16/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	03/16/25	03/16/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	03/16/25	03/16/25
Naphthalene	ND		ug/L	5.0	0.5	03/16/25	03/16/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	03/16/25	03/16/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	03/16/25	03/16/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	03/16/25	03/16/25
Xylene (total)	ND		ug/L	5.0		03/16/25	03/16/25
Surrogates				**Limits**			
Dibromofluoromethane	108%		%REC	70-130		03/16/25	03/16/25
1,2-Dichloroethane-d4	102%		%REC	70-130		03/16/25	03/16/25
Toluene-d8	94%		%REC	70-130		03/16/25	03/16/25
Bromofluorobenzene	100%		%REC	70-130		03/16/25	03/16/25

Type: Lab Control Sample **Lab ID:** QC1239513 **Batch:** 366085
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1239513 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.67	50.00	ug/L	103%		70-135
MTBE	46.64	50.00	ug/L	93%		70-130
Benzene	46.13	50.00	ug/L	92%		70-130
Trichloroethene	47.44	50.00	ug/L	95%		70-130
Toluene	45.89	50.00	ug/L	92%		70-130
Chlorobenzene	47.83	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	52.99	50.00	ug/L	106%		70-130
1,2-Dichloroethane-d4	49.58	50.00	ug/L	99%		70-130
Toluene-d8	47.33	50.00	ug/L	95%		70-130
Bromofluorobenzene	46.86	50.00	ug/L	94%		70-130

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1239514	Batch:	366085
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239514 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	52.96	50.00	ug/L	106%		70-135	2	30
MTBE	47.26	50.00	ug/L	95%		70-130	1	30
Benzene	46.91	50.00	ug/L	94%		70-130	2	30
Trichloroethene	47.96	50.00	ug/L	96%		70-130	1	30
Toluene	46.26	50.00	ug/L	93%		70-130	1	30
Chlorobenzene	47.90	50.00	ug/L	96%		70-130	0	30
Surrogates								
Dibromofluoromethane	52.61	50.00	ug/L	105%		70-130		
1,2-Dichloroethane-d4	48.45	50.00	ug/L	97%		70-130		
Toluene-d8	48.15	50.00	ug/L	96%		70-130		
Bromofluorobenzene	48.83	50.00	ug/L	98%		70-130		

Type:	Matrix Spike	Lab ID:	QC1239535	Batch:	366085
Matrix (Source ID):	Water (528740-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	21.88	ND	20.00	ug/L	109%		70-130	1
MTBE	18.94	ND	20.00	ug/L	95%		75-130	1
Benzene	20.11	ND	20.00	ug/L	101%		70-130	1
Trichloroethene	21.17	ND	20.00	ug/L	106%		63-130	1
Toluene	20.04	ND	20.00	ug/L	100%		70-130	1
Chlorobenzene	20.79	ND	20.00	ug/L	104%		70-130	1
Surrogates								
Dibromofluoromethane	51.62		50.00	ug/L	103%		70-130	1
1,2-Dichloroethane-d4	49.79		50.00	ug/L	100%		70-130	1
Toluene-d8	47.38		50.00	ug/L	95%		70-130	1
Bromofluorobenzene	48.92		50.00	ug/L	98%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1239536	Batch:	366085
Matrix (Source ID):	Water (528740-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1239536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.46	ND	20.00	ug/L	97%		70-130	12	30	1
MTBE	17.86	ND	20.00	ug/L	89%		75-130	6	30	1
Benzene	18.12	ND	20.00	ug/L	91%		70-130	10	30	1
Trichloroethene	19.20	ND	20.00	ug/L	96%		63-130	10	30	1
Toluene	17.92	ND	20.00	ug/L	90%		70-130	11	30	1
Chlorobenzene	18.76	ND	20.00	ug/L	94%		70-130	10	30	1
Surrogates										
Dibromofluoromethane	53.00		50.00	ug/L	106%		70-130			1
1,2-Dichloroethane-d4	48.92		50.00	ug/L	98%		70-130			1
Toluene-d8	47.40		50.00	ug/L	95%		70-130			1
Bromofluorobenzene	47.64		50.00	ug/L	95%		70-130			1

Type:	Blank	Lab ID:	QC1239751	Batch:	366150
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1239751 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	03/17/25	03/18/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		03/17/25	03/18/25

Type:	Lab Control Sample	Lab ID:	QC1239752	Batch:	366150
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1239752 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.547	10.00	ug/L	85%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.09	10.00	ug/L	101%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1239753	Batch:	366150
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1239753 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.899	10.00	ug/L	89%		80-120	4	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.779	10.00	ug/L	98%		80-120		

Type:	Blank	Lab ID:	QC1239432	Batch:	366066
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1239432 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		03/15/25	03/15/25

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Batch QC

Type: Lab Control Sample **Lab ID:** QC1239433 **Batch:** 366066
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239433 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1239434 **Batch:** 366066
Matrix (Source ID): Water (528700-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239434 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1239435 **Batch:** 366066
Matrix (Source ID): Water (528700-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1239435 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1240626 **Batch:** 366414
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240626 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	03/19/25	03/19/25

Type: Lab Control Sample **Lab ID:** QC1240627 **Batch:** 366414
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240627 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	22.97	25.00	mg/L	92%		85-115

Type: Matrix Spike **Lab ID:** QC1240629 **Batch:** 366414
Matrix (Source ID): Water (528339-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240629 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	44.37	16.85	25.00	mg/L	110%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1240630 **Batch:** 366414
Matrix (Source ID): Water (528339-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1240630 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	45.10	16.85	25.00	mg/L	113%		75-125	2	25	1

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1239312	Batch:	366032
Matrix (Source ID):	Water (528898-001)	Method:	SM2130B		

QC1239312 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	75.50	74.50	NTU		1	20	1

Type:	Blank	Lab ID:	QC1241422	Batch:	366651
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1241422 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		03/21/25	03/21/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		03/21/25	03/21/25

Type:	Lab Control Sample	Lab ID:	QC1241423	Batch:	366651
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1241423 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,031	1000	mg/L	103%		90-110

Type:	Sample Duplicate	Lab ID:	QC1241424	Batch:	366651
Matrix (Source ID):	Water (528898-001)	Method:	SM2320B	Prep Method:	METHOD

QC1241424 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	158.8	156.2	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	130.1	128.0	mg/L		2	20	2.5

Type:	Sample Duplicate	Lab ID:	QC1242217	Batch:	366897
Matrix (Source ID):	Water (528826-001)	Method:	SM2510B	Prep Method:	METHOD

QC1242217 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	1,580	1578	umhos/cm		0	20	1

Type:	Sample Duplicate	Lab ID:	QC1242218	Batch:	366897
Matrix (Source ID):	Water (529416-006)	Method:	SM2510B	Prep Method:	METHOD

QC1242218 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	402.3	394.5	umhos/cm		2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1240338	**Batch:** 366327
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC1240338 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		03/18/25	03/19/25

Type: Lab Control Sample	**Lab ID:** QC1240339	**Batch:** 366327
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC1240339 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	988.5	1000	mg/L	99%		90-110

Type: Sample Duplicate	**Lab ID:** QC1240340	**Batch:** 366327
Matrix (Source ID): Water (528837-001)	**Method:** SM2540C	**Prep Method:** METHOD

QC1240340 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,600	1654	mg/L		3	5	2

Type: Blank	**Lab ID:** QC1241827	**Batch:** 366771
Matrix: Water	**Method:** SM5220D	**Prep Method:** METHOD

QC1241827 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	03/23/25	03/23/25

Type: Lab Control Sample	**Lab ID:** QC1241828	**Batch:** 366771
Matrix: Water	**Method:** SM5220D	**Prep Method:** METHOD

QC1241828 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	105.0	100.0	mg/L	105%		90-110

Type: Matrix Spike	**Lab ID:** QC1241829	**Batch:** 366771
Matrix (Source ID): Water (528074-001)	**Method:** SM5220D	**Prep Method:** METHOD

QC1241829 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	214.0	114.0	100.0	mg/L	100%		75-125	2

Type: Matrix Spike Duplicate	**Lab ID:** QC1241830	**Batch:** 366771
Matrix (Source ID): Water (528074-001)	**Method:** SM5220D	**Prep Method:** METHOD

QC1241830 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	214.0	114.0	100.0	mg/L	100%		75-125	0	20	2

ND Not Detected
NM Not Meaningful

ENTHALPY ANALYTICAL

Batch QC

Laboratory Job Number 528898

Subcontracted Products

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 2503C62

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: PO-079649
Project: EO-528898

Project Location:
Project Received: 03/19/2025

Analytical Report reviewed & approved for release on 03/21/2025 by:

Tracy Babjar
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503C62

Project: EO-528898

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2503C62

Project: EO-528898

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503C62
Date Received:	03/19/2025 10:45	**Extraction Method:**	RSK175
Date Prepared:	03/20/2025	**Analytical Method:**	RSK175
Project:	EO-528898	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN STAGE 2	2503C62-001A	Water	03/14/2025 13:30	GC26 0320251105.D	313749

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**2700**	100	100	2	03/20/2025 13:58

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN OUTLET	2503C62-002A	Water	03/14/2025 13:00	GC26 0320251108.D	313749

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**3000**	100	100	2	03/20/2025 15:16

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2503C62
Date Prepared:	03/20/2025	**BatchID:**	313749
Date Analyzed:	03/20/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-528898	**Sample ID:**	MB/LCS/LCSD-313749

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	150	140	187.2	78	76	70-130	2.17	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2503C62 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-528898

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 2 days;

Date Received: **03/19/2025**
Date Logged: **03/19/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2503C62-001	SOUTH BASIN STAGE 2	Water	3/14/2025 13:30	☐	A	A										
2503C62-002	SOUTH BASIN OUTLET	Water	3/14/2025 13:00	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-528898
Comments:

Work Order: 2503C62
QC Level: LEVEL 2
Date Logged: 3/19/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN STAGE 2	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/14/2025 13:30	2 days	3/21/2025	Present	☐	☐
002A	SOUTH BASIN OUTLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	3/14/2025 13:00	2 days	3/21/2025		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

HOLD TIME RUSH

2503C62

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528898
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN STAGE 2	14-MAR-2025 13:30	528898-001	2	Water	RSK-175 CO2	
SOUTH BASIN OUTLET	14-MAR-2025 13:00	528898-002	2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	A. Deutinger EA-ORA	GLS
	Date: 3/18/25 1500	Date:
	Date:	Date:
	GLS	Carlinato
	Date:	Date: 3/19/25 1045

GLS: 5627774236

1 of 1

.4 wet IR39

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	3/19/2025 10:45
Project:	EO-528898	Date Logged:	3/19/2025
		Received by:	
WorkOrder №:	2503C62 Matrix:	Logged by:	Carolina Garcia
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.4°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531818
Report Level : II
Report Date : 05/09/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	531818
Project No:	SW - IGP
Location:	Stormwater - IGP
Date Received:	04/26/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531818-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531818-002	04/26/25 09:45	Water
TRIP BLANK	531818-003	04/26/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 531818 Project No: SW - IGP Location: Stormwater - IGP Date Received: 04/26/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

- High RPD was observed for total suspended solids in the SDUP for batch 370128; the parent sample was not a project sample.
- No other analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 531818

Page: 2 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL COLIFORM, E.COLI	200.7 Fe	300.0 CHLORIDE	OIL AND GREASE	TSS					
1	SOUTH BASIN WEST INLET	04/26/25	0915	W	5	6,2,4,1	X	X	X	X	X					
2	SOUTH BASIN EAST INLET	04/26/25	0945	W	5	6,2,4,1	X	X	X	X	X					
3																
4																
5																
6																
7																
8																
9																
10																

Analysis Request

Test Instructions / Commen

IGP

Email report to:

East pH 6.79 Temp. 4.6c

West 7.63 4.6c

Login 531818

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Caleb Herzog	CTEH	4/26/2025 1355
[1] Received By:		JELBERT QUITUBUA	EA-ORA	04/26/25 1355
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 04/26/25 WO# 531818 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.5 / 9.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?		X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

☐ **No additional discrepancies**

Date Logged 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

Date Labeled 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

Analysis Results for 531818

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531818
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 04/26/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 531818-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

531818-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.7**	J	mg/L	4.9	2.0	0.97	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**42**		mg/L	0.046	0.046	1	369903	04/28/25	04/29/25	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**5.1**		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 22:47	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**480**		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Sample ID: SOUTH BASIN EAST INLET | **Lab ID:** 531818-002 | **Matrix:** Water | **Collected:** 04/26/25 09:45

531818-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	2.2	1.1	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**190**		mg/L	4.1	4.1	100	370134	04/30/25	04/30/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**95**		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 23:04	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**13,000**		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531818

>	Value exceeds indicated concentration
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1255185	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255185 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	05/07/25	05/08/25

Type: Lab Control Sample	Lab ID: QC1255186	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255186 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.20	40.00	mg/L	91%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1255187	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255187 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.00	40.00	mg/L	90%		78-114	1	18

Type: Blank	Lab ID: QC1252528	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252528 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.046	0.046	04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252529	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3896	0.4000	mg/L	97%		85-115

Type: Matrix Spike	Lab ID: QC1252530	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252530 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	25.30	24.54	0.4000	mg/L	191%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1252531	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	24.79	24.54	0.4000	mg/L	61%	NM	75-125	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Serial Dilution	Lab ID:	QC1252873	Batch:	369903
Matrix (Source ID):	Water (531666-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1252873 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	19.02	18.87	mg/L				5

Type:	Blank	Lab ID:	QC1253276	Batch:	370134
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	04/30/25	04/30/25

Type:	Lab Control Sample	Lab ID:	QC1253277	Batch:	370134
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253277 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3830	0.4000	mg/L	96%		85-115

Type:	Matrix Spike	Lab ID:	QC1253278	Batch:	370134
Matrix (Source ID):	Water (531918-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253278 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.5054	0.1344	0.4000	mg/L	93%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1253279	Batch:	370134
Matrix (Source ID):	Water (531918-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253279 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.4952	0.1344	0.4000	mg/L	90%		75-125	2	20	1

Type:	Serial Dilution	Lab ID:	QC1253308	Batch:	370134
Matrix (Source ID):	Water (531918-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253308 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	ND	0.1344	mg/L				5

Type:	Blank	Lab ID:	QC1254075	Batch:	370362
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1254075 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	05/02/25 17:20	05/02/25 18:17

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1254076 **Batch:** 370362
Matrix: Water **Method:** EPA 300.0 **Prep Method:** METHOD

QC1254076 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	46.70	50.00	mg/L	93%		90-110

Type: Matrix Spike **Lab ID:** QC1254098 **Batch:** 370362
Matrix (Source ID): Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

QC1254098 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	104.6	3.483	100.0	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1254099 **Batch:** 370362
Matrix (Source ID): Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

QC1254099 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	115.5	3.483	100.0	mg/L	112%		80-120	10	20	1

Type: Blank **Lab ID:** QC1253257 **Batch:** 370128
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC1253257 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		04/30/25	05/01/25

Type: Lab Control Sample **Lab ID:** QC1253258 **Batch:** 370128
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC1253258 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	101.0	100.0	mg/L	101%		90-110

Type: Lab Control Sample Duplicate **Lab ID:** QC1253259 **Batch:** 370128
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC1253259 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	100.1	100.0	mg/L	100%		90-110	1	5

Type: Sample Duplicate **Lab ID:** QC1253260 **Batch:** 370128
Matrix (Source ID): Water (531472-004) **Method:** SM2540D **Prep Method:** METHOD

QC1253260 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,540	1300	mg/L		17*	5	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1253261**	**Batch:**	**370128**
Matrix (Source ID):	**Water (531472-005)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1253261 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,050	927.5	mg/L		12*	5	1

* Value is outside QC limits
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531818
Report Level : II
Report Date : 05/09/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	531818
Project No:	SW - IGP
Location:	Stormwater - IGP
Date Received:	04/26/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531818-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531818-002	04/26/25 09:45	Water
TRIP BLANK	531818-003	04/26/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 531818 Project No: SW - IGP Location: Stormwater - IGP Date Received: 04/26/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

- High RPD was observed for total suspended solids in the SDUP for batch 370128; the parent sample was not a project sample.
- No other analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 531818

Page: 2 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL COLIFORM, E.COLI	200.7 Fe	300.0 CHLORIDE	OIL AND GREASE	TSS					
1	SOUTH BASIN WEST INLET	04/26/25	0915	W	5	6,2,4,1	X	X	X	X	X					
2	SOUTH BASIN EAST INLET	04/26/25	0945	W	5	6,2,4,1	X	X	X	X	X					
3																
4																
5																
6																
7																
8																
9																
10																

Analysis Request

Test Instructions / Commen

IGP

Email report to:

East pH 6.79 Temp. 4.6c

West 7.63 4.6c

Login 531818

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Caleb Herzog	CTEH	4/26/2025 1355
[1] Received By:		JELBERT QUITUBUA	EA-ORA	04/26/25 1355
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 04/26/25 WO# 531818 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.5 / 9.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?		X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

☐ **No additional discrepancies**

Date Logged 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

Date Labeled 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

Analysis Results for 531818

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531818
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 04/26/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 531818-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

531818-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.7**	J	mg/L	4.9	2.0	0.97	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**42**		mg/L	0.046	0.046	1	369903	04/28/25	04/29/25	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**5.1**		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 22:47	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**480**		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Sample ID: SOUTH BASIN EAST INLET | **Lab ID:** 531818-002 | **Matrix:** Water | **Collected:** 04/26/25 09:45

531818-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	2.2	1.1	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	**190**		mg/L	4.1	4.1	100	370134	04/30/25	04/30/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**95**		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 23:04	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	**>1,600**		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**13,000**		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531818

>	Value exceeds indicated concentration
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1255185	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255185 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	05/07/25	05/08/25

Type: Lab Control Sample	Lab ID: QC1255186	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255186 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.20	40.00	mg/L	91%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1255187	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255187 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.00	40.00	mg/L	90%		78-114	1	18

Type: Blank	Lab ID: QC1252528	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252528 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.046	0.046	04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252529	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3896	0.4000	mg/L	97%		85-115

Type: Matrix Spike	Lab ID: QC1252530	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252530 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	25.30	24.54	0.4000	mg/L	191%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1252531	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	24.79	24.54	0.4000	mg/L	61%	NM	75-125	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Serial Dilution	Lab ID:	QC1252873	Batch:	369903
Matrix (Source ID):	Water (531666-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1252873 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	19.02	18.87	mg/L				5

Type:	Blank	Lab ID:	QC1253276	Batch:	370134
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	04/30/25	04/30/25

Type:	Lab Control Sample	Lab ID:	QC1253277	Batch:	370134
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253277 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3830	0.4000	mg/L	96%		85-115

Type:	Matrix Spike	Lab ID:	QC1253278	Batch:	370134
Matrix (Source ID):	Water (531918-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253278 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.5054	0.1344	0.4000	mg/L	93%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1253279	Batch:	370134
Matrix (Source ID):	Water (531918-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253279 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.4952	0.1344	0.4000	mg/L	90%		75-125	2	20	1

Type:	Serial Dilution	Lab ID:	QC1253308	Batch:	370134
Matrix (Source ID):	Water (531918-001)	Method:	EPA 200.7	Prep Method:	EPA 3015A

QC1253308 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	ND	0.1344	mg/L				5

Type:	Blank	Lab ID:	QC1254075	Batch:	370362
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1254075 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	05/02/25 17:20	05/02/25 18:17

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1254076 **Batch:** 370362
Matrix: Water **Method:** EPA 300.0 **Prep Method:** METHOD

QC1254076 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	46.70	50.00	mg/L	93%		90-110

Type: Matrix Spike **Lab ID:** QC1254098 **Batch:** 370362
Matrix (Source ID): Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

QC1254098 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	104.6	3.483	100.0	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1254099 **Batch:** 370362
Matrix (Source ID): Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

QC1254099 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	115.5	3.483	100.0	mg/L	112%		80-120	10	20	1

Type: Blank **Lab ID:** QC1253257 **Batch:** 370128
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC1253257 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		04/30/25	05/01/25

Type: Lab Control Sample **Lab ID:** QC1253258 **Batch:** 370128
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC1253258 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	101.0	100.0	mg/L	101%		90-110

Type: Lab Control Sample Duplicate **Lab ID:** QC1253259 **Batch:** 370128
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC1253259 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	100.1	100.0	mg/L	100%		90-110	1	5

Type: Sample Duplicate **Lab ID:** QC1253260 **Batch:** 370128
Matrix (Source ID): Water (531472-004) **Method:** SM2540D **Prep Method:** METHOD

QC1253260 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,540	1300	mg/L		17*	5	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1253261**	**Batch:**	**370128**
Matrix (Source ID):	**Water (531472-005)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1253261 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,050	927.5	mg/L		12*	5	1

* Value is outside QC limits
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	531817
Report Level	:	II
Report Date	:	05/13/2025
Revision	:	**2 (See narrative)**

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #:	531817
Project No:	SW - APPENDIX II
Location:	SW - APPENDIX II
Date Received:	04/26/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531817-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531817-002	04/26/25 09:45	Water
TRIP BLANK	531817-003	04/26/25 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 531817 Project No: SW - APPENDIX II Location: SW - APPENDIX II Date Received: 04/26/25

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.
- This report was revised on 05/13/25 to include sub contracted 8290 and 8141 data.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

- High responses were observed for 4-chloro-3-methylphenol, N-nitroso-di-n-propylamine, and phenol in the CCV analyzed 04/27/25 17:46; affected data was qualified with "b".
- Low recovery was observed for N-nitroso-di-n-propylamine in the matrix spike for batch 369835; the parent sample was not a project sample, and the BS/BSD were within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 200.8 and EPA 245.1):

- Tin was detected between the MDL and the RL in the method blank for batch 369931; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Total Phenolics (EPA 420.1):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):

- Low recoveries were observed for cyanide in the MS/MSD for batch 370243; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for cyanide.
- No other analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 531817

Page: 1 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL METALS	8260 + APPENDIX II	RSK175 CO2,8620 ACROLEIN/ACRYLONITRILE	8260+ APPII, 8081/8082,8184,8551,8290,2,3	CYANIDE	PHENOLS	SULFIDE
1	SOUTH BASIN WEST INLET	04/26/25	0915	W	17	6,2,4,1	X	X	X	X	X	X	X
2	SOUTH BASIN EAST INLET	04/26/25	0945	W	17	6,2,4,1	X	X	X	X	X	X	X
3													
4													
5													
6													
7													
8													
9													
10													

Analysis Request

Test Instructions / Commen

APPENDIX II

Email report to:

East 6.79 4.6C

West 7.63 4.6C

Login 531817

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Caleb Henry	CTEH	4/26/2025 1355
[1] Received By:		JEBERT QUITUAVA	EA-ORA	04/26/25 1355
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 04/26/25 WO# 531817 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 8.2 / 8.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?		X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?	X		
13) Are VOA vials free from headspace/bubbles > 6mm?		X	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

4.13) SAMPLE 001 & 002 - 2 OF 3 HCL PRES. VOA VIALS W/ HEADSPACE > 6MM

☐ **No additional discrepancies**

Date Logged 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

Date Labeled 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

Analysis Results for 531817

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531817
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 04/26/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 531817-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	**0.59**	B,J	ug/L	5.0	0.49	1	369931	04/28/25	04/29/25	KAM
Antimony	**2.5**		ug/L	2.0	0.31	1	369931	04/28/25	04/29/25	KAM
Arsenic	**11**		ug/L	2.0	0.22	1	369931	04/28/25	04/29/25	KAM
Barium	**210**		ug/L	5.0	0.46	1	369931	04/28/25	04/29/25	KAM
Beryllium	ND		ug/L	10	2.1	10	369931	04/28/25	04/30/25	KAM
Cadmium	**0.79**	J	ug/L	1.0	0.26	1	369931	04/28/25	04/29/25	KAM
Chromium	**25**		ug/L	5.0	0.34	1	369931	04/28/25	04/29/25	KAM
Cobalt	**10**		ug/L	1.0	0.074	1	369931	04/28/25	04/29/25	KAM
Copper	**40**		ug/L	3.0	2.0	1	369931	04/28/25	04/29/25	KAM
Lead	**26**		ug/L	5.0	0.16	1	369931	04/28/25	04/29/25	KAM
Nickel	**22**		ug/L	5.0	0.84	1	369931	04/28/25	04/29/25	KAM
Selenium	ND		ug/L	2.0	1.6	1	369931	04/28/25	04/29/25	KAM
Silver	ND		ug/L	5.0	0.51	1	369931	04/28/25	04/29/25	KAM
Thallium	**0.21**	J	ug/L	1.0	0.19	1	369931	04/28/25	04/29/25	KAM
Vanadium	**43**		ug/L	5.0	0.36	1	369931	04/28/25	04/29/25	KAM
Zinc	**150**		ug/L	10	7.4	1	369931	04/28/25	04/29/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	ND		ug/L	0.40	0.17	1	369869	04/28/25	04/28/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	ND		mg/L	0.010	0.0047	1	369886	04/28/25	04/28/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
beta-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
gamma-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
delta-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Heptachlor	ND		ug/L	0.05	0.01	0.91	369893	04/28/25	04/28/25	MES
Aldrin	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Endosulfan I	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Dieldrin	ND		ug/L	0.09	0.01	0.91	369893	04/28/25	04/28/25	MES
4,4'-DDE	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endrin	ND		ug/L	0.09	0.01	0.91	369893	04/28/25	04/28/25	MES
Endosulfan II	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endosulfan sulfate	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
4,4'-DDD	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endrin aldehyde	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endrin ketone	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/L	0.09	0.03	0.91	369893	04/28/25	04/28/25	MES
Methoxychlor	ND		ug/L	0.09	0.06	0.91	369893	04/28/25	04/28/25	MES
Toxaphene	ND		ug/L	1.8	0.7	0.91	369893	04/28/25	04/28/25	MES
Chlordane (Technical)	ND		ug/L	0.9	0.2	0.91	369893	04/28/25	04/28/25	MES
Surrogates				**Limits**						
TCMX	76%		%REC	14-120		0.91	369893	04/28/25	04/28/25	MES
Decachlorobiphenyl	76%		%REC	20-120		0.91	369893	04/28/25	04/28/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.45	0.34	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1221	ND		ug/L	0.45	0.37	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1232	ND		ug/L	0.45	0.33	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1242	ND		ug/L	0.45	0.32	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1248	ND		ug/L	0.45	0.31	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1254	ND		ug/L	0.45	0.16	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1260	ND		ug/L	0.45	0.41	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1262	ND		ug/L	0.45	0.36	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1268	ND		ug/L	0.45	0.23	0.91	369893	04/28/25	04/28/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	88%		%REC	18-126		0.91	369893	04/28/25	04/28/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
Chloroprene	ND		ug/L	200	0.6	1	369844	04/27/25	04/27/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.3	1	369844	04/27/25	04/27/25	ZST
Ethanol	ND		ug/L	500	250	1	369844	04/27/25	04/27/25	ZST
2-Hexanone	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Isopropanol (IPA)	ND		ug/L	200	64	1	369844	04/27/25	04/27/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.2	1	369844	04/27/25	04/27/25	ZST
Vinyl Acetate	ND		ug/L	50	2.5	1	369844	04/27/25	04/27/25	ZST
Acrolein	ND		ug/L	200	2.2	1	369844	04/27/25	04/27/25	ZST
Acrylonitrile	ND		ug/L	10	0.7	1	369844	04/27/25	04/27/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	369844	04/27/25	04/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Iodomethane	ND		ug/L	5.8		1	369844	04/27/25	04/27/25	ZST
Acetone	ND		ug/L	100	44	1	369844	04/27/25	04/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Methylene Chloride	ND		ug/L	10	3.5	1	369844	04/27/25	04/27/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
2-Butanone	ND		ug/L	10	2.3	1	369844	04/27/25	04/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	369844	04/27/25	04/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	1	369844	04/27/25	04/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	369844	04/27/25	04/27/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
para-Isopropyl Toluene	**0.3**	J	ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369844	04/27/25	04/27/25	ZST
TIC:Furan	**1.7**	J	ug/L			1	369844	04/27/25	04/27/25	ZST

Surrogates	Limits

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromofluoromethane	103%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane-d4	101%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Toluene-d8	102%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.67	0.34	1.3	369948	04/29/25	04/30/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.67	0.32	1.3	369948	04/29/25	04/30/25	ZFA
Naphthalene	ND		ug/L	0.67	0.28	1.3	369948	04/29/25	04/30/25	ZFA
Acenaphthylene	ND		ug/L	0.67	0.31	1.3	369948	04/29/25	04/30/25	ZFA
Acenaphthene	ND		ug/L	0.67	0.29	1.3	369948	04/29/25	04/30/25	ZFA
Fluorene	ND		ug/L	0.67	0.31	1.3	369948	04/29/25	04/30/25	ZFA
Phenanthrene	ND		ug/L	0.67	0.27	1.3	369948	04/29/25	04/30/25	ZFA
Anthracene	ND		ug/L	0.67	0.31	1.3	369948	04/29/25	04/30/25	ZFA
Fluoranthene	ND		ug/L	0.67	0.26	1.3	369948	04/29/25	04/30/25	ZFA
Pyrene	ND		ug/L	0.67	0.25	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.67	0.17	1.3	369948	04/29/25	04/30/25	ZFA
Chrysene	ND		ug/L	0.67	0.23	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.67	0.16	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	0.67	0.20	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.67	0.19	1.3	369948	04/29/25	04/30/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.67	0.35	1.3	369948	04/29/25	04/30/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.67	0.35	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.67	0.34	1.3	369948	04/29/25	04/30/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	66%		%REC	16-125		1.3	369948	04/29/25	04/30/25	ZFA
2-Fluorobiphenyl	64%		%REC	17-120		1.3	369948	04/29/25	04/30/25	ZFA
Terphenyl-d14	87%		%REC	39-123		1.3	369948	04/29/25	04/30/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	33	6.3	3.3	369835	04/27/25	04/30/25	ZFA
Pyridine	ND		ug/L	33	5.7	3.3	369835	04/27/25	04/30/25	ZFA
N-Nitrosodimethylamine	ND		ug/L	33	9.4	3.3	369835	04/27/25	04/30/25	ZFA
Phenol	ND		ug/L	33	5.8	3.3	369835	04/27/25	04/30/25	ZFA
Aniline	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	83	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Chlorophenol	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
1,3-Dichlorobenzene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
1,4-Dichlorobenzene	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
Benzyl alcohol	ND		ug/L	83	17	3.3	369835	04/27/25	04/30/25	ZFA
1,2-Dichlorobenzene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Methylphenol	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
3-,4-Methylphenol	ND		ug/L	33	10	3.3	369835	04/27/25	04/30/25	ZFA
N-Nitroso-di-n-propylamine	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
Hexachloroethane	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Nitrobenzene	ND		ug/L	83	28	3.3	369835	04/27/25	04/30/25	ZFA
Isophorone	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
2-Nitrophenol	ND		ug/L	33	15	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dimethylphenol	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Benzoic acid	**42**	J	ug/L	170	25	3.3	369835	04/27/25	04/30/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
bis(2-Chloroethoxy)methane	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dichlorophenol	ND		ug/L	33	15	3.3	369835	04/27/25	04/30/25	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
Naphthalene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
4-Chloroaniline	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Hexachlorobutadiene	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
4-Chloro-3-methylphenol	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Methylnaphthalene	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Hexachlorocyclopentadiene	ND		ug/L	83	34	3.3	369835	04/27/25	04/30/25	ZFA
2,4,6-Trichlorophenol	ND		ug/L	33	15	3.3	369835	04/27/25	04/30/25	ZFA
2,4,5-Trichlorophenol	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Chloronaphthalene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Nitroaniline	ND		ug/L	170	11	3.3	369835	04/27/25	04/30/25	ZFA
Dimethylphthalate	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
Acenaphthylene	ND		ug/L	33	16	3.3	369835	04/27/25	04/30/25	ZFA
2,6-Dinitrotoluene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
3-Nitroaniline	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Acenaphthene	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dinitrophenol	ND		ug/L	170	26	3.3	369835	04/27/25	04/30/25	ZFA
4-Nitrophenol	ND		ug/L	170	19	3.3	369835	04/27/25	04/30/25	ZFA
Dibenzofuran	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dinitrotoluene	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
Diethylphthalate	ND		ug/L	33	10	3.3	369835	04/27/25	04/30/25	ZFA
Fluorene	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
4-Nitroaniline	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	170	43	3.3	369835	04/27/25	04/30/25	ZFA
N-Nitrosodiphenylamine	ND		ug/L	33	19	3.3	369835	04/27/25	04/30/25	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
4-Bromophenyl-phenylether	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
Hexachlorobenzene	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Pentachlorophenol	ND		ug/L	83	11	3.3	369835	04/27/25	04/30/25	ZFA
Phenanthrene	ND		ug/L	33	9.0	3.3	369835	04/27/25	04/30/25	ZFA
Anthracene	ND		ug/L	33	8.8	3.3	369835	04/27/25	04/30/25	ZFA
Di-n-butylphthalate	ND		ug/L	33	5.8	3.3	369835	04/27/25	04/30/25	ZFA
Fluoranthene	ND		ug/L	33	5.4	3.3	369835	04/27/25	04/30/25	ZFA
Benzidine	ND		ug/L	170	48	3.3	369835	04/27/25	04/30/25	ZFA
Pyrene	ND		ug/L	33	6.3	3.3	369835	04/27/25	04/30/25	ZFA
Butylbenzylphthalate	ND		ug/L	33	7.2	3.3	369835	04/27/25	04/30/25	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	83	12	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(a)anthracene	ND		ug/L	33	3.3	3.3	369835	04/27/25	04/30/25	ZFA
Chrysene	ND		ug/L	33	4.1	3.3	369835	04/27/25	04/30/25	ZFA
bis(2-Ethylhexyl)phthalate	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
Di-n-octylphthalate	ND		ug/L	33	4.2	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	33	4.0	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	33	4.6	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(a)pyrene	ND		ug/L	33	4.7	3.3	369835	04/27/25	04/30/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	33	4.0	3.3	369835	04/27/25	04/30/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	33	4.9	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	33	5.0	3.3	369835	04/27/25	04/30/25	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:3,3'-Dimethylbenzidine	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Acetonitrile	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Acetophenone	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Chlorobenzilate	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Diallate	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Thionazin	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
Surrogates				**Limits**						
2-Fluorophenol	38%		%REC	10-140		3.3	369835	04/27/25	04/30/25	ZFA
Phenol-d6	26%		%REC	10-140		3.3	369835	04/27/25	04/30/25	ZFA
2,4,6-Tribromophenol	85%		%REC	12-140		3.3	369835	04/27/25	04/30/25	ZFA
Nitrobenzene-d5	63%		%REC	10-140		3.3	369835	04/27/25	04/30/25	ZFA
2-Fluorobiphenyl	62%		%REC	11-140		3.3	369835	04/27/25	04/30/25	ZFA
Terphenyl-d14	76%		%REC	20-140		3.3	369835	04/27/25	04/30/25	ZFA
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.0051**		mg/L	0.0050	0.0021	0.5	370243	05/01/25	05/01/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

Sample ID:	Lab ID: 531817-002	Collected: 04/26/25 09:45
SOUTH BASIN EAST INLET	Matrix: Water	

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	ND		ug/L	5.0	0.49	1	369931	04/28/25	04/29/25	KAM
Antimony	**1.6**	J	ug/L	2.0	0.31	1	369931	04/28/25	04/29/25	KAM
Arsenic	**49**		ug/L	2.0	0.22	1	369931	04/28/25	04/29/25	KAM
Barium	**2,500**		ug/L	250	23	50	369931	04/28/25	04/29/25	KAM
Beryllium	**11**		ug/L	10	2.1	10	369931	04/28/25	04/30/25	KAM
Cadmium	**8.7**		ug/L	1.0	0.26	1	369931	04/28/25	04/29/25	KAM
Chromium	**160**		ug/L	5.0	0.34	1	369931	04/28/25	04/29/25	KAM
Cobalt	**120**		ug/L	1.0	0.074	1	369931	04/28/25	04/29/25	KAM
Copper	**410**		ug/L	3.0	2.0	1	369931	04/28/25	04/29/25	KAM
Lead	**380**		ug/L	5.0	0.16	1	369931	04/28/25	04/29/25	KAM
Nickel	**210**		ug/L	5.0	0.84	1	369931	04/28/25	04/29/25	KAM
Selenium	**25**		ug/L	2.0	1.6	1	369931	04/28/25	04/29/25	KAM
Silver	**2.8**	J	ug/L	5.0	0.51	1	369931	04/28/25	04/29/25	KAM
Thallium	**0.66**	J	ug/L	1.0	0.19	1	369931	04/28/25	04/29/25	KAM
Vanadium	**260**		ug/L	5.0	0.36	1	369931	04/28/25	04/29/25	KAM
Zinc	**1,800**		ug/L	10	7.4	1	369931	04/28/25	04/29/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	**4.5**		ug/L	0.40	0.17	1	369869	04/28/25	04/28/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	ND		mg/L	0.011	0.0052	1.1	369886	04/28/25	04/28/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
beta-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
gamma-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
delta-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Heptachlor	ND		ug/L	0.05	0.01	0.96	369893	04/28/25	04/28/25	MES
Aldrin	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Endosulfan I	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Dieldrin	ND		ug/L	0.1	0.01	0.96	369893	04/28/25	04/28/25	MES
4,4'-DDE	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endrin	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endosulfan II	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endosulfan sulfate	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
4,4'-DDD	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endrin aldehyde	ND		ug/L	0.1	0.03	0.96	369893	04/28/25	04/28/25	MES
Endrin ketone	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
4,4'-DDT	ND		ug/L	0.1	0.04	0.96	369893	04/28/25	04/28/25	MES
Methoxychlor	ND		ug/L	0.1	0.06	0.96	369893	04/28/25	04/28/25	MES
Toxaphene	ND		ug/L	1.9	0.8	0.96	369893	04/28/25	04/28/25	MES
Chlordane (Technical)	ND		ug/L	1.0	0.2	0.96	369893	04/28/25	04/28/25	MES
Surrogates				**Limits**						

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	91%		%REC	14-120		0.96	369893	04/28/25	04/28/25	MES
Decachlorobiphenyl	71%		%REC	20-120		0.96	369893	04/28/25	04/28/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.48	0.36	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1221	ND		ug/L	0.48	0.39	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1232	ND		ug/L	0.48	0.34	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1242	ND		ug/L	0.48	0.33	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1248	ND		ug/L	0.48	0.33	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1254	ND		ug/L	0.48	0.17	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1260	ND		ug/L	0.48	0.43	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1262	ND		ug/L	0.48	0.38	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1268	ND		ug/L	0.48	0.24	0.96	369893	04/28/25	04/28/25	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	81%		%REC	18-126		0.96	369893	04/28/25	04/28/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
Chloroprene	ND		ug/L	200	0.6	1	369844	04/27/25	04/27/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.3	1	369844	04/27/25	04/27/25	ZST
Ethanol	ND		ug/L	500	250	1	369844	04/27/25	04/27/25	ZST
2-Hexanone	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Isopropanol (IPA)	ND		ug/L	200	64	1	369844	04/27/25	04/27/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.2	1	369844	04/27/25	04/27/25	ZST
Vinyl Acetate	ND		ug/L	50	2.5	1	369844	04/27/25	04/27/25	ZST
Acrolein	ND		ug/L	200	2.2	1	369844	04/27/25	04/27/25	ZST
Acrylonitrile	ND		ug/L	10	0.7	1	369844	04/27/25	04/27/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	369844	04/27/25	04/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Iodomethane	ND		ug/L	5.8		1	369844	04/27/25	04/27/25	ZST
Acetone	ND		ug/L	100	44	1	369844	04/27/25	04/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Methylene Chloride	ND		ug/L	10	3.5	1	369844	04/27/25	04/27/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
2-Butanone	ND		ug/L	10	2.3	1	369844	04/27/25	04/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	1.0	0.1	1	369844	04/27/25	04/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	1	369844	04/27/25	04/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	369844	04/27/25	04/27/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
para-Isopropyl Toluene	**0.3**	J	ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369844	04/27/25	04/27/25	ZST
TIC:	ND					1	369844	04/27/25	04/27/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	107%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane-d4	107%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Toluene-d8	98%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.53	0.27	1.1	369948	04/29/25	04/30/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.53	0.26	1.1	369948	04/29/25	04/30/25	ZFA
Naphthalene	ND		ug/L	0.53	0.22	1.1	369948	04/29/25	04/30/25	ZFA
Acenaphthylene	ND		ug/L	0.53	0.25	1.1	369948	04/29/25	04/30/25	ZFA
Acenaphthene	ND		ug/L	0.53	0.23	1.1	369948	04/29/25	04/30/25	ZFA
Fluorene	ND		ug/L	0.53	0.25	1.1	369948	04/29/25	04/30/25	ZFA
Phenanthrene	ND		ug/L	0.53	0.21	1.1	369948	04/29/25	04/30/25	ZFA
Anthracene	ND		ug/L	0.53	0.25	1.1	369948	04/29/25	04/30/25	ZFA
Fluoranthene	ND		ug/L	0.53	0.20	1.1	369948	04/29/25	04/30/25	ZFA
Pyrene	ND		ug/L	0.53	0.20	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.53	0.14	1.1	369948	04/29/25	04/30/25	ZFA
Chrysene	ND		ug/L	0.53	0.18	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.53	0.12	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	0.53	0.16	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.53	0.15	1.1	369948	04/29/25	04/30/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.53	0.28	1.1	369948	04/29/25	04/30/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.53	0.28	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.53	0.27	1.1	369948	04/29/25	04/30/25	ZFA
Surrogates				**Limits**						
Nitrobenzene-d5	71%		%REC	16-125		1.1	369948	04/29/25	04/30/25	ZFA
2-Fluorobiphenyl	71%		%REC	17-120		1.1	369948	04/29/25	04/30/25	ZFA
Terphenyl-d14	91%		%REC	39-123		1.1	369948	04/29/25	04/30/25	ZFA
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	500	94	50	370314	05/02/25	05/03/25	TJW
Pyridine	ND		ug/L	500	85	50	370314	05/02/25	05/03/25	TJW
N-Nitrosodimethylamine	ND		ug/L	500	140	50	370314	05/02/25	05/03/25	TJW
Phenol	ND		ug/L	500	87	50	370314	05/02/25	05/03/25	TJW
Aniline	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
bis(2-Chloroethyl)ether	ND		ug/L	1,300	200	50	370314	05/02/25	05/03/25	TJW
2-Chlorophenol	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
1,3-Dichlorobenzene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
1,4-Dichlorobenzene	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
Benzyl alcohol	ND		ug/L	1,300	260	50	370314	05/02/25	05/03/25	TJW
1,2-Dichlorobenzene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2-Methylphenol	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
bis(2-Chloroisopropyl) ether	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
3-,4-Methylphenol	ND		ug/L	500	150	50	370314	05/02/25	05/03/25	TJW
N-Nitroso-di-n-propylamine	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
Hexachloroethane	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
Nitrobenzene	ND		ug/L	1,300	420	50	370314	05/02/25	05/03/25	TJW
Isophorone	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
2-Nitrophenol	ND		ug/L	500	230	50	370314	05/02/25	05/03/25	TJW
2,4-Dimethylphenol	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
Benzoic acid	ND		ug/L	2,500	380	50	370314	05/02/25	05/03/25	TJW
bis(2-Chloroethoxy)methane	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2,4-Dichlorophenol	ND		ug/L	500	220	50	370314	05/02/25	05/03/25	TJW
1,2,4-Trichlorobenzene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
Naphthalene	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Chloroaniline	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Hexachlorobutadiene	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
4-Chloro-3-methylphenol	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2-Methylnaphthalene	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Hexachlorocyclopentadiene	ND		ug/L	1,300	510	50	370314	05/02/25	05/03/25	TJW
2,4,6-Trichlorophenol	ND		ug/L	500	220	50	370314	05/02/25	05/03/25	TJW
2,4,5-Trichlorophenol	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2-Chloronaphthalene	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
2-Nitroaniline	ND		ug/L	2,500	170	50	370314	05/02/25	05/03/25	TJW
Dimethylphthalate	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
Acenaphthylene	ND		ug/L	500	240	50	370314	05/02/25	05/03/25	TJW
2,6-Dinitrotoluene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
3-Nitroaniline	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Acenaphthene	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
2,4-Dinitrophenol	ND		ug/L	2,500	380	50	370314	05/02/25	05/03/25	TJW
4-Nitrophenol	ND		ug/L	2,500	280	50	370314	05/02/25	05/03/25	TJW
Dibenzofuran	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
2,4-Dinitrotoluene	ND		ug/L	500	170	50	370314	05/02/25	05/03/25	TJW
Diethylphthalate	ND		ug/L	500	150	50	370314	05/02/25	05/03/25	TJW
Fluorene	ND		ug/L	500	170	50	370314	05/02/25	05/03/25	TJW
4-Chlorophenyl-phenylether	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
4-Nitroaniline	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
4,6-Dinitro-2-methylphenol	ND		ug/L	2,500	640	50	370314	05/02/25	05/03/25	TJW
N-Nitrosodiphenylamine	ND		ug/L	500	290	50	370314	05/02/25	05/03/25	TJW
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
4-Bromophenyl-phenylether	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
Hexachlorobenzene	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Pentachlorophenol	ND		ug/L	1,300	160	50	370314	05/02/25	05/03/25	TJW
Phenanthrene	ND		ug/L	500	130	50	370314	05/02/25	05/03/25	TJW
Anthracene	ND		ug/L	500	130	50	370314	05/02/25	05/03/25	TJW
Di-n-butylphthalate	ND		ug/L	500	87	50	370314	05/02/25	05/03/25	TJW
Fluoranthene	ND		ug/L	500	81	50	370314	05/02/25	05/03/25	TJW
Benzidine	ND		ug/L	2,500	720	50	370314	05/02/25	05/03/25	TJW
Pyrene	ND		ug/L	500	94	50	370314	05/02/25	05/03/25	TJW
Butylbenzylphthalate	ND		ug/L	500	110	50	370314	05/02/25	05/03/25	TJW
3,3'-Dichlorobenzidine	ND		ug/L	1,300	170	50	370314	05/02/25	05/03/25	TJW
Benzo(a)anthracene	ND		ug/L	500	49	50	370314	05/02/25	05/03/25	TJW
Chrysene	ND		ug/L	500	62	50	370314	05/02/25	05/03/25	TJW
bis(2-Ethylhexyl)phthalate	ND		ug/L	500	170	50	370314	05/02/25	05/03/25	TJW
Di-n-octylphthalate	ND		ug/L	500	63	50	370314	05/02/25	05/03/25	TJW
Benzo(b)fluoranthene	ND		ug/L	500	60	50	370314	05/02/25	05/03/25	TJW
Benzo(k)fluoranthene	ND		ug/L	500	69	50	370314	05/02/25	05/03/25	TJW
Benzo(a)pyrene	ND		ug/L	500	70	50	370314	05/02/25	05/03/25	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	500	59	50	370314	05/02/25	05/03/25	TJW
Dibenz(a,h)anthracene	ND		ug/L	500	73	50	370314	05/02/25	05/03/25	TJW
Benzo(g,h,i)perylene	ND		ug/L	500	74	50	370314	05/02/25	05/03/25	TJW
TIC:2,6-Dichlorophenol	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:2-Acetylaminofluorene	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:3,3'-Dimethylbenzidine	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:4-Aminobiphenyl	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Acetonitrile	ND		ug/L			50	370314	05/02/25	05/03/25	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Acetophenone	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Chlorobenzilate	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Diallate	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Thionazin	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:a,a-Dimethylphenethylamine	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
Surrogates				**Limits**						
2-Fluorophenol	33%		%REC	10-140		50	370314	05/02/25	05/03/25	TJW
Phenol-d6	26%		%REC	10-140		50	370314	05/02/25	05/03/25	TJW
2,4,6-Tribromophenol	62%		%REC	12-140		50	370314	05/02/25	05/03/25	TJW
Nitrobenzene-d5	45%		%REC	10-140		50	370314	05/02/25	05/03/25	TJW
2-Fluorobiphenyl	53%		%REC	11-140		50	370314	05/02/25	05/03/25	TJW
Terphenyl-d14	59%		%REC	20-140		50	370314	05/02/25	05/03/25	TJW
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.0054**		mg/L	0.0050	0.0021	0.5	370243	05/01/25	05/01/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA

B Contamination found in associated Method Blank
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1252604**	**Batch: 369931**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1252604 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	0.49	J	ug/L	5.0	0.49	04/28/25	04/28/25
Antimony	ND		ug/L	2.0	0.31	04/28/25	04/28/25
Arsenic	ND		ug/L	2.0	0.22	04/28/25	04/28/25
Barium	ND		ug/L	5.0	0.46	04/28/25	04/28/25
Beryllium	ND		ug/L	1.0	0.076	04/28/25	04/29/25
Cadmium	ND		ug/L	1.0	0.26	04/28/25	04/28/25
Chromium	ND		ug/L	5.0	0.34	04/28/25	04/28/25
Cobalt	ND		ug/L	1.0	0.074	04/28/25	04/28/25
Copper	ND		ug/L	3.0	2.0	04/28/25	04/28/25
Lead	ND		ug/L	5.0	0.16	04/28/25	04/28/25
Nickel	ND		ug/L	5.0	0.84	04/28/25	04/28/25
Selenium	ND		ug/L	2.0	1.6	04/28/25	04/28/25
Silver	ND		ug/L	5.0	0.51	04/28/25	04/29/25
Thallium	ND		ug/L	1.0	0.19	04/28/25	04/28/25
Vanadium	ND		ug/L	5.0	0.36	04/28/25	04/28/25
Zinc	ND		ug/L	10	7.4	04/28/25	04/28/25

Type: Lab Control Sample	**Lab ID: QC1252605**	**Batch: 369931**
Matrix: Water	**Method: EPA 200.8**	**Prep Method: EPA 3015A**

QC1252605 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	96.21	100.0	ug/L	96%		85-115
Antimony	101.7	100.0	ug/L	102%		85-115
Arsenic	96.60	100.0	ug/L	97%		85-115
Barium	91.29	100.0	ug/L	91%		85-115
Beryllium	99.22	100.0	ug/L	99%		85-115
Cadmium	89.09	100.0	ug/L	89%		85-115
Chromium	98.73	100.0	ug/L	99%		85-115
Cobalt	104.3	100.0	ug/L	104%		85-115
Copper	102.0	100.0	ug/L	102%		85-115
Lead	90.98	100.0	ug/L	91%		85-115
Nickel	103.2	100.0	ug/L	103%		85-115
Selenium	94.70	100.0	ug/L	95%		85-115
Silver	49.64	50.00	ug/L	99%		85-115
Thallium	90.56	100.0	ug/L	91%		85-115
Vanadium	98.16	100.0	ug/L	98%		85-115
Zinc	100.3	100.0	ug/L	100%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1252606	Batch:	369931
Matrix (Source ID):	Water (531729-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1252606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	99.44	6.044	100.0	ug/L	93%		70-130	1
Antimony	104.7	1.567	100.0	ug/L	103%		70-130	1
Arsenic	101.0	2.588	100.0	ug/L	98%		70-130	1
Barium	124.2	31.14	100.0	ug/L	93%		70-130	1
Beryllium	88.70	ND	100.0	ug/L	89%		70-130	25
Cadmium	87.02	ND	100.0	ug/L	87%		70-130	1
Chromium	95.59	3.330	100.0	ug/L	92%		70-130	1
Cobalt	97.64	0.8905	100.0	ug/L	97%		70-130	1
Copper	108.7	17.87	100.0	ug/L	91%		70-130	1
Lead	92.89	0.8922	100.0	ug/L	92%		70-130	1
Nickel	98.17	5.413	100.0	ug/L	93%		70-130	1
Selenium	92.43	ND	100.0	ug/L	92%		70-130	1
Silver	48.77	ND	50.00	ug/L	98%		70-130	25
Thallium	91.23	ND	100.0	ug/L	91%		70-130	1
Vanadium	101.0	2.484	100.0	ug/L	99%		70-130	1
Zinc	1,635	1579	100.0	ug/L	56%	NM	70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252607	Batch:	369931
Matrix (Source ID):	Water (531729-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1252607 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	97.61	6.044	100.0	ug/L	92%		70-130	2	20	1
Antimony	106.2	1.567	100.0	ug/L	105%		70-130	1	20	1
Arsenic	97.99	2.588	100.0	ug/L	95%		70-130	3	20	1
Barium	125.4	31.14	100.0	ug/L	94%		70-130	1	20	1
Beryllium	91.83	ND	100.0	ug/L	92%		70-130	3	20	25
Cadmium	89.37	ND	100.0	ug/L	89%		70-130	3	20	1
Chromium	93.33	3.330	100.0	ug/L	90%		70-130	2	20	1
Cobalt	95.17	0.8905	100.0	ug/L	94%		70-130	3	20	1
Copper	107.1	17.87	100.0	ug/L	89%		70-130	1	20	1
Lead	90.88	0.8922	100.0	ug/L	90%		70-130	2	20	1
Nickel	95.40	5.413	100.0	ug/L	90%		70-130	3	20	1
Selenium	91.51	ND	100.0	ug/L	92%		70-130	1	20	1
Silver	49.37	ND	50.00	ug/L	99%		70-130	1	20	25
Thallium	89.05	ND	100.0	ug/L	89%		70-130	2	20	1
Vanadium	98.68	2.484	100.0	ug/L	96%		70-130	2	20	1
Zinc	1,619	1579	100.0	ug/L	40%	NM	70-130	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1252608	Batch:	369931
Matrix (Source ID):	Water (531776-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1252608 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	97.16	ND	100.0	ug/L	97%		70-130	1
Antimony	91.84	0.3121	100.0	ug/L	92%		70-130	1
Arsenic	94.24	ND	100.0	ug/L	94%		70-130	1
Barium	104.2	ND	100.0	ug/L	104%		70-130	25
Beryllium	96.54	ND	100.0	ug/L	97%		70-130	25
Cadmium	102.8	ND	100.0	ug/L	103%		70-130	25
Chromium	96.79	ND	100.0	ug/L	97%		70-130	1
Cobalt	103.3	ND	100.0	ug/L	103%		70-130	1
Copper	101.1	ND	100.0	ug/L	101%		70-130	1
Lead	94.05	ND	100.0	ug/L	94%		70-130	1
Nickel	101.5	ND	100.0	ug/L	101%		70-130	1
Selenium	88.80	ND	100.0	ug/L	89%		70-130	1
Silver	51.21	ND	50.00	ug/L	102%		70-130	25
Thallium	92.96	ND	100.0	ug/L	93%		70-130	1
Vanadium	97.00	ND	100.0	ug/L	97%		70-130	1
Zinc	100.7	ND	100.0	ug/L	101%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252609	Batch:	369931
Matrix (Source ID):	Water (531776-001)	Method:	EPA 200.8	Prep Method:	EPA 3015A

QC1252609 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	95.81	ND	100.0	ug/L	96%		70-130	1	20	1
Antimony	99.47	0.3121	100.0	ug/L	99%		70-130	8	20	1
Arsenic	91.34	ND	100.0	ug/L	91%		70-130	3	20	1
Barium	107.3	ND	100.0	ug/L	107%		70-130	3	20	25
Beryllium	97.62	ND	100.0	ug/L	98%		70-130	1	20	25
Cadmium	103.3	ND	100.0	ug/L	103%		70-130	0	20	25
Chromium	94.45	ND	100.0	ug/L	94%		70-130	2	20	1
Cobalt	99.92	ND	100.0	ug/L	100%		70-130	3	20	1
Copper	97.68	ND	100.0	ug/L	98%		70-130	3	20	1
Lead	92.04	ND	100.0	ug/L	92%		70-130	2	20	1
Nickel	97.33	ND	100.0	ug/L	97%		70-130	4	20	1
Selenium	87.95	ND	100.0	ug/L	88%		70-130	1	20	1
Silver	52.44	ND	50.00	ug/L	105%		70-130	2	20	25
Thallium	91.69	ND	100.0	ug/L	92%		70-130	1	20	1
Vanadium	94.52	ND	100.0	ug/L	95%		70-130	3	20	1
Zinc	95.75	ND	100.0	ug/L	96%		70-130	5	20	1

Type:	Blank	Lab ID:	QC1252399	Batch:	369869
Matrix:	Water	Method:	EPA 245.1	Prep Method:	EPA 245.1

QC1252399 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	04/28/25	04/28/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1252400	**Batch:** 369869
Matrix: Water	**Method:** EPA 245.1	**Prep Method:** EPA 245.1

QC1252400 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.020	5.000	ug/L	100%		85-115

Type: Matrix Spike	**Lab ID:** QC1252401	**Batch:** 369869
Matrix (Source ID): Water (531823-004)	**Method:** EPA 245.1	**Prep Method:** EPA 245.1

QC1252401 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1,006	ND	1000	ug/L	101%		75-125	200

Type: Matrix Spike Duplicate	**Lab ID:** QC1252402	**Batch:** 369869
Matrix (Source ID): Water (531823-004)	**Method:** EPA 245.1	**Prep Method:** EPA 245.1

QC1252402 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	997.9	ND	1000	ug/L	100%		75-125	1	20	200

Type: Blank	**Lab ID:** QC1252445	**Batch:** 369886
Matrix: Water	**Method:** EPA 420.1	**Prep Method:** METHOD

QC1252445 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	04/28/25	04/28/25

Type: Lab Control Sample	**Lab ID:** QC1252543	**Batch:** 369886
Matrix: Water	**Method:** EPA 420.1	**Prep Method:** METHOD

QC1252543 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.08100	0.08000	mg/L	101%		80-120

Type: Lab Control Sample Duplicate	**Lab ID:** QC1252544	**Batch:** 369886
Matrix: Water	**Method:** EPA 420.1	**Prep Method:** METHOD

QC1252544 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Phenolics	0.08500	0.08000	mg/L	106%		80-120	5	20

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1252461	Batch: 369893
Matrix: Water		

QC1252461 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
beta-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
gamma-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
delta-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Heptachlor	ND		ug/L	0.05	0.01	04/28/25	04/28/25
Aldrin	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Endosulfan I	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Dieldrin	ND		ug/L	0.1	0.01	04/28/25	04/28/25
4,4'-DDE	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endrin	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endosulfan II	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	04/28/25	04/28/25
4,4'-DDD	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endrin aldehyde	ND		ug/L	0.1	0.03	04/28/25	04/28/25
Endrin ketone	ND		ug/L	0.1	0.03	04/28/25	04/28/25
4,4'-DDT	ND		ug/L	0.1	0.04	04/28/25	04/28/25
Methoxychlor	ND		ug/L	0.1	0.06	04/28/25	04/28/25
Toxaphene	ND		ug/L	2.0	0.8	04/28/25	04/28/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	04/28/25	04/28/25
Surrogates				**Limits**			
TCMX	71%		%REC	14-120		04/28/25	04/28/25
Decachlorobiphenyl	85%		%REC	20-120		04/28/25	04/28/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	04/28/25	04/28/25
Aroclor-1221	ND		ug/L	0.50	0.41	04/28/25	04/28/25
Aroclor-1232	ND		ug/L	0.50	0.36	04/28/25	04/28/25
Aroclor-1242	ND		ug/L	0.50	0.35	04/28/25	04/28/25
Aroclor-1248	ND		ug/L	0.50	0.34	04/28/25	04/28/25
Aroclor-1254	ND		ug/L	0.50	0.18	04/28/25	04/28/25
Aroclor-1260	ND		ug/L	0.50	0.45	04/28/25	04/28/25
Aroclor-1262	ND		ug/L	0.50	0.39	04/28/25	04/28/25
Aroclor-1268	ND		ug/L	0.50	0.25	04/28/25	04/28/25
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	93%		%REC	18-126		04/28/25	04/28/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252462**	**Batch:**	**369893**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1252462 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.4219	0.5000	ug/L	84%		53-120
beta-BHC	0.4303	0.5000	ug/L	86%		59-120
gamma-BHC	0.4536	0.5000	ug/L	91%		54-120
delta-BHC	0.4432	0.5000	ug/L	89%		58-120
Heptachlor	0.4277	0.5000	ug/L	86%		49-120
Aldrin	0.3629	0.5000	ug/L	73%		47-120
Heptachlor epoxide	0.4066	0.5000	ug/L	81%		53-120
Endosulfan I	0.4030	0.5000	ug/L	81%		56-120
Dieldrin	0.4101	0.5000	ug/L	82%		55-120
4,4'-DDE	0.4126	0.5000	ug/L	83%		55-120
Endrin	0.4561	0.5000	ug/L	91%	#	57-120
Endosulfan II	0.4273	0.5000	ug/L	85%		58-120
Endosulfan sulfate	0.4137	0.5000	ug/L	83%		56-120
4,4'-DDD	0.3930	0.5000	ug/L	79%		53-120
Endrin aldehyde	0.3767	0.5000	ug/L	75%		45-120
Endrin ketone	0.4520	0.5000	ug/L	90%		61-120
4,4'-DDT	0.4504	0.5000	ug/L	90%		58-120
Methoxychlor	0.4665	0.5000	ug/L	93%		54-120
Surrogates						
TCMX	0.3886	0.5000	ug/L	78%		14-120
Decachlorobiphenyl	0.4122	0.5000	ug/L	82%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252463	Batch:	369893
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1252463 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4289	0.5000	ug/L	86%		53-120	2	20
beta-BHC	0.4402	0.5000	ug/L	88%		59-120	2	20
gamma-BHC	0.4615	0.5000	ug/L	92%		54-120	2	20
delta-BHC	0.4600	0.5000	ug/L	92%		58-120	4	20
Heptachlor	0.4274	0.5000	ug/L	85%		49-120	0	20
Aldrin	0.3741	0.5000	ug/L	75%		47-120	3	20
Heptachlor epoxide	0.4195	0.5000	ug/L	84%		53-120	3	20
Endosulfan I	0.4296	0.5000	ug/L	86%		56-120	6	20
Dieldrin	0.4308	0.5000	ug/L	86%		55-120	5	20
4,4'-DDE	0.4293	0.5000	ug/L	86%		55-120	4	20
Endrin	0.4741	0.5000	ug/L	95%	#	57-120	4	20
Endosulfan II	0.4454	0.5000	ug/L	89%		58-120	4	20
Endosulfan sulfate	0.4336	0.5000	ug/L	87%		56-120	5	20
4,4'-DDD	0.4150	0.5000	ug/L	83%		53-120	5	20
Endrin aldehyde	0.4053	0.5000	ug/L	81%		45-120	7	20
Endrin ketone	0.4753	0.5000	ug/L	95%		61-120	5	20
4,4'-DDT	0.4729	0.5000	ug/L	95%		58-120	5	20
Methoxychlor	0.4867	0.5000	ug/L	97%		54-120	4	20
Surrogates								
TCMX	0.3974	0.5000	ug/L	79%		14-120		
Decachlorobiphenyl	0.4364	0.5000	ug/L	87%		20-120		

Type:	Lab Control Sample	Lab ID:	QC1252464	Batch:	369893
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1252464 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	6.095	5.000	ug/L	122%		36-143
Aroclor-1260	6.129	5.000	ug/L	123%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.5363	0.5000	ug/L	107%		18-126

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252465	Batch:	369893
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1252465 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.466	5.000	ug/L	109%		36-143	11	39
Aroclor-1260	5.629	5.000	ug/L	113%		31-153	9	20
Surrogates								
Decachlorobiphenyl (PCB)	0.4994	0.5000	ug/L	100%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1252307	Batch: 369844
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252307 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	44.51	50.00	ug/L	89%		70-135
MTBE	48.79	50.00	ug/L	98%		70-130
Benzene	46.96	50.00	ug/L	94%		70-130
Trichloroethene	45.79	50.00	ug/L	92%		70-130
Toluene	47.62	50.00	ug/L	95%		70-130
Chlorobenzene	47.45	50.00	ug/L	95%		70-130
Surrogates						
Dibromofluoromethane	50.55	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	52.75	50.00	ug/L	105%		70-130
Toluene-d8	50.89	50.00	ug/L	102%		70-130
Bromofluorobenzene	48.11	50.00	ug/L	96%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1252308	Batch: 369844
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252308 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.49	50.00	ug/L	89%		70-135	0	30
MTBE	48.11	50.00	ug/L	96%		70-130	1	30
Benzene	47.08	50.00	ug/L	94%		70-130	0	30
Trichloroethene	45.81	50.00	ug/L	92%		70-130	0	30
Toluene	46.76	50.00	ug/L	94%		70-130	2	30
Chlorobenzene	47.47	50.00	ug/L	95%		70-130	0	30
Surrogates								
Dibromofluoromethane	49.65	50.00	ug/L	99%		70-130		
1,2-Dichloroethane-d4	52.61	50.00	ug/L	105%		70-130		
Toluene-d8	50.11	50.00	ug/L	100%		70-130		
Bromofluorobenzene	47.88	50.00	ug/L	96%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1252312	Batch: 369844
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252312 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.7	04/27/25	04/27/25
Chloroprene	ND		ug/L	200	0.6	04/27/25	04/27/25
3-Chloropropene	ND		ug/L	5.0	0.3	04/27/25	04/27/25
Ethyl methacrylate	ND		ug/L	50	1.3	04/27/25	04/27/25
Ethanol	ND		ug/L	500	250	04/27/25	04/27/25
2-Hexanone	ND		ug/L	5.0	0.8	04/27/25	04/27/25
Isopropanol (IPA)	ND		ug/L	200	64	04/27/25	04/27/25
Methyl acrylonitrile	ND		ug/L	35	2.2	04/27/25	04/27/25
Vinyl Acetate	ND		ug/L	50	2.5	04/27/25	04/27/25
Acrolein	ND		ug/L	200	2.2	04/27/25	04/27/25
Acrylonitrile	ND		ug/L	10	0.7	04/27/25	04/27/25
Freon 12	ND		ug/L	5.0	0.3	04/27/25	04/27/25
Chloromethane	ND		ug/L	5.0	0.4	04/27/25	04/27/25
Vinyl Chloride	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Bromomethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Chloroethane	ND		ug/L	5.0	0.3	04/27/25	04/27/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Iodomethane	ND		ug/L	5.8		04/27/25	04/27/25
Acetone	ND		ug/L	100	44	04/27/25	04/27/25
Freon 113	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Methylene Chloride	ND		ug/L	10	3.5	04/27/25	04/27/25
MTBE	ND		ug/L	5.0	0.1	04/27/25	04/27/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	04/27/25	04/27/25
2-Butanone	ND		ug/L	10	2.3	04/27/25	04/27/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Chloroform	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Benzene	ND		ug/L	1.0	0.1	04/27/25	04/27/25
Trichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Bromodichloromethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Dibromomethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	04/27/25	04/27/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Toluene	ND		ug/L	5.0	0.3	04/27/25	04/27/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Tetrachloroethene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25

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Batch QC

QC1252312 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Chlorobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Ethylbenzene	ND		ug/L	5.0	0.07	04/27/25	04/27/25
m,p-Xylenes	ND		ug/L	5.0	0.1	04/27/25	04/27/25
o-Xylene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
Styrene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Bromoform	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Isopropylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Propylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
Bromobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	04/27/25	04/27/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
n-Butylbenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	04/27/25	04/27/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
Naphthalene	ND		ug/L	5.0	0.5	04/27/25	04/27/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	04/27/25	04/27/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	04/27/25	04/27/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	04/27/25	04/27/25
Xylene (total)	ND		ug/L	5.0		04/27/25	04/27/25
TIC:	ND					04/27/25	04/27/25
Surrogates				**Limits**			
Dibromofluoromethane	103%		%REC	70-130		04/27/25	04/27/25
1,2-Dichloroethane-d4	105%		%REC	70-130		04/27/25	04/27/25
Toluene-d8	97%		%REC	70-130		04/27/25	04/27/25
Bromofluorobenzene	99%		%REC	70-130		04/27/25	04/27/25

Batch QC

Type:	Matrix Spike	Lab ID:	QC1252320	Batch:	369844
Matrix (Source ID):	Water (531786-008)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252320 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	17.50	0.2057	20.00	ug/L	86%		70-130	1
MTBE	17.41	ND	20.00	ug/L	87%		75-130	1
Benzene	17.91	ND	20.00	ug/L	90%		70-130	1
Trichloroethene	49.81	33.46	20.00	ug/L	82%		63-130	1
Toluene	18.42	ND	20.00	ug/L	92%		70-130	1
Chlorobenzene	18.13	ND	20.00	ug/L	91%		70-130	1
Surrogates								
Dibromofluoromethane	51.13		50.00	ug/L	102%		70-130	1
1,2-Dichloroethane-d4	50.83		50.00	ug/L	102%		70-130	1
Toluene-d8	52.31		50.00	ug/L	105%		70-130	1
Bromofluorobenzene	47.34		50.00	ug/L	95%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252321	Batch:	369844
Matrix (Source ID):	Water (531786-008)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1252321 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	16.74	0.2057	20.00	ug/L	83%		70-130	4	30	1
MTBE	17.52	ND	20.00	ug/L	88%		75-130	1	30	1
Benzene	18.52	ND	20.00	ug/L	93%		70-130	3	30	1
Trichloroethene	53.33	33.46	20.00	ug/L	99%		63-130	7	30	1
Toluene	18.85	ND	20.00	ug/L	94%		70-130	2	30	1
Chlorobenzene	18.79	ND	20.00	ug/L	94%		70-130	4	30	1
Surrogates										
Dibromofluoromethane	49.08		50.00	ug/L	98%		70-130			1
1,2-Dichloroethane-d4	48.15		50.00	ug/L	96%		70-130			1
Toluene-d8	50.99		50.00	ug/L	102%		70-130			1
Bromofluorobenzene	48.80		50.00	ug/L	98%		70-130			1

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Batch QC

Type: Blank	Lab ID: QC1252267	Batch: 369835
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1252267 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.9	04/27/25	04/27/25
Pyridine	ND		ug/L	10	1.7	04/27/25	04/27/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	04/27/25	04/27/25
Phenol	ND		ug/L	10	1.7	04/27/25	04/27/25
Aniline	ND		ug/L	10	3.2	04/27/25	04/27/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.9	04/27/25	04/27/25
2-Chlorophenol	ND		ug/L	10	3.8	04/27/25	04/27/25
1,3-Dichlorobenzene	ND		ug/L	10	4.0	04/27/25	04/27/25
1,4-Dichlorobenzene	ND		ug/L	10	4.2	04/27/25	04/27/25
Benzyl alcohol	ND		ug/L	25	5.2	04/27/25	04/27/25
1,2-Dichlorobenzene	ND		ug/L	10	3.9	04/27/25	04/27/25
2-Methylphenol	ND		ug/L	10	3.3	04/27/25	04/27/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	4.3	04/27/25	04/27/25
3-,4-Methylphenol	ND		ug/L	10	3.1	04/27/25	04/27/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	4.2	04/27/25	04/27/25
Hexachloroethane	ND		ug/L	10	3.7	04/27/25	04/27/25
Nitrobenzene	ND		ug/L	25	8.4	04/27/25	04/27/25
Isophorone	ND		ug/L	10	4.2	04/27/25	04/27/25
2-Nitrophenol	ND		ug/L	10	4.6	04/27/25	04/27/25
2,4-Dimethylphenol	ND		ug/L	10	3.7	04/27/25	04/27/25
Benzoic acid	ND		ug/L	50	7.6	04/27/25	04/27/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	3.9	04/27/25	04/27/25
2,4-Dichlorophenol	ND		ug/L	10	4.4	04/27/25	04/27/25
1,2,4-Trichlorobenzene	ND		ug/L	10	4.1	04/27/25	04/27/25
Naphthalene	ND		ug/L	10	3.8	04/27/25	04/27/25
4-Chloroaniline	ND		ug/L	10	3.6	04/27/25	04/27/25
Hexachlorobutadiene	ND		ug/L	10	3.3	04/27/25	04/27/25
4-Chloro-3-methylphenol	ND		ug/L	10	3.9	04/27/25	04/27/25
2-Methylnaphthalene	ND		ug/L	10	3.6	04/27/25	04/27/25
Hexachlorocyclopentadiene	ND		ug/L	25	10	04/27/25	04/27/25
2,4,6-Trichlorophenol	ND		ug/L	10	4.4	04/27/25	04/27/25
2,4,5-Trichlorophenol	ND		ug/L	10	4.0	04/27/25	04/27/25
2-Chloronaphthalene	ND		ug/L	10	3.9	04/27/25	04/27/25
2-Nitroaniline	ND		ug/L	50	3.4	04/27/25	04/27/25
Dimethylphthalate	ND		ug/L	10	4.0	04/27/25	04/27/25
Acenaphthylene	ND		ug/L	10	4.7	04/27/25	04/27/25
2,6-Dinitrotoluene	ND		ug/L	10	3.9	04/27/25	04/27/25
3-Nitroaniline	ND		ug/L	10	3.6	04/27/25	04/27/25
Acenaphthene	ND		ug/L	10	3.6	04/27/25	04/27/25
2,4-Dinitrophenol	ND		ug/L	50	7.7	04/27/25	04/27/25
4-Nitrophenol	ND		ug/L	50	5.6	04/27/25	04/27/25
Dibenzofuran	ND		ug/L	10	3.6	04/27/25	04/27/25
2,4-Dinitrotoluene	ND		ug/L	10	3.3	04/27/25	04/27/25
Diethylphthalate	ND		ug/L	10	3.1	04/27/25	04/27/25
Fluorene	ND		ug/L	10	3.4	04/27/25	04/27/25
4-Chlorophenyl-phenylether	ND		ug/L	10	3.7	04/27/25	04/27/25
4-Nitroaniline	ND		ug/L	10	3.2	04/27/25	04/27/25

ENTHALPY ANALYTICAL

Batch QC

QC1252267 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	13	04/27/25	04/27/25
N-Nitrosodiphenylamine	ND		ug/L	10	5.8	04/27/25	04/27/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	3.8	04/27/25	04/27/25
4-Bromophenyl-phenylether	ND		ug/L	10	4.0	04/27/25	04/27/25
Hexachlorobenzene	ND		ug/L	10	3.6	04/27/25	04/27/25
Pentachlorophenol	ND		ug/L	25	3.2	04/27/25	04/27/25
Phenanthrene	ND		ug/L	10	2.7	04/27/25	04/27/25
Anthracene	ND		ug/L	10	2.6	04/27/25	04/27/25
Di-n-butylphthalate	ND		ug/L	10	1.7	04/27/25	04/27/25
Fluoranthene	ND		ug/L	10	1.6	04/27/25	04/27/25
Benzidine	ND		ug/L	50	14	04/27/25	04/27/25
Pyrene	ND		ug/L	10	1.9	04/27/25	04/27/25
Butylbenzylphthalate	ND		ug/L	10	2.2	04/27/25	04/27/25
3,3'-Dichlorobenzidine	ND		ug/L	25	3.5	04/27/25	04/27/25
Benzo(a)anthracene	ND		ug/L	10	0.99	04/27/25	04/27/25
Chrysene	ND		ug/L	10	1.2	04/27/25	04/27/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.3	04/27/25	04/27/25
Di-n-octylphthalate	ND		ug/L	10	1.3	04/27/25	04/27/25
Benzo(b)fluoranthene	ND		ug/L	10	1.2	04/27/25	04/27/25
Benzo(k)fluoranthene	ND		ug/L	10	1.4	04/27/25	04/27/25
Benzo(a)pyrene	ND		ug/L	10	1.4	04/27/25	04/27/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	1.2	04/27/25	04/27/25
Dibenz(a,h)anthracene	ND		ug/L	10	1.5	04/27/25	04/27/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.5	04/27/25	04/27/25
TIC:2,6-Dichlorophenol	ND		ug/L			04/27/25	04/27/25
TIC:2-Acetylaminofluorene	ND		ug/L			04/27/25	04/27/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			04/27/25	04/27/25
TIC:4-Aminobiphenyl	ND		ug/L			04/27/25	04/27/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			04/27/25	04/27/25
TIC:Acetonitrile	ND		ug/L			04/27/25	04/27/25
TIC:Acetophenone	ND		ug/L			04/27/25	04/27/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			04/27/25	04/27/25
TIC:Chlorobenzilate	ND		ug/L			04/27/25	04/27/25
TIC:Diallate	ND		ug/L			04/27/25	04/27/25
TIC:Thionazin	ND		ug/L			04/27/25	04/27/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			04/27/25	04/27/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			04/27/25	04/27/25
Surrogates				**Limits**			
2-Fluorophenol	47%		%REC	20-140		04/27/25	04/27/25
Phenol-d6	36%		%REC	20-140		04/27/25	04/27/25
2,4,6-Tribromophenol	65%		%REC	20-140		04/27/25	04/27/25
Nitrobenzene-d5	74%		%REC	20-140		04/27/25	04/27/25
2-Fluorobiphenyl	69%		%REC	20-140		04/27/25	04/27/25
Terphenyl-d14	93%		%REC	20-140		04/27/25	04/27/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252268**	**Batch:**	**369835**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1252268 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	26.27	75.00	ug/L	35%	b	13-120
2-Chlorophenol	53.04	75.00	ug/L	71%		31-120
1,4-Dichlorobenzene	45.51	75.00	ug/L	61%		24-120
3-,4-Methylphenol	56.40	75.00	ug/L	75%		29-120
N-Nitroso-di-n-propylamine	73.33	75.00	ug/L	98%	b	32-120
2,4-Dimethylphenol	67.15	75.00	ug/L	90%		25-120
1,2,4-Trichlorobenzene	52.46	75.00	ug/L	70%		26-120
4-Chloro-3-methylphenol	77.06	75.00	ug/L	103%	b	39-120
2,4,5-Trichlorophenol	68.32	75.00	ug/L	91%		38-120
Acenaphthene	51.32	75.00	ug/L	68%		33-120
4-Nitrophenol	40.57	75.00	ug/L	54%		12-120
2,4-Dinitrotoluene	82.98	75.00	ug/L	111%		46-120
Pentachlorophenol	70.79	75.00	ug/L	94%		37-120
Pyrene	80.06	75.00	ug/L	107%		47-120
Chrysene	69.08	75.00	ug/L	92%		48-120
Benzo(b)fluoranthene	63.10	75.00	ug/L	84%		46-120
Surrogates						
2-Fluorophenol	18.98	40.00	ug/L	47%		20-140
Phenol-d6	13.39	40.00	ug/L	33%		20-140
2,4,6-Tribromophenol	40.79	40.00	ug/L	102%		20-140
Nitrobenzene-d5	37.11	40.00	ug/L	93%		20-140
2-Fluorobiphenyl	30.48	40.00	ug/L	76%		20-140
Terphenyl-d14	45.41	40.00	ug/L	114%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1252269**	**Batch:**	**369835**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1252269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	28.79	75.00	ug/L	38%	b	13-120	9	62
2-Chlorophenol	62.19	75.00	ug/L	83%		31-120	16	62
1,4-Dichlorobenzene	57.24	75.00	ug/L	76%		24-120	23	64
3-,4-Methylphenol	55.85	75.00	ug/L	74%		29-120	1	62
N-Nitroso-di-n-propylamine	67.96	75.00	ug/L	91%	b	32-120	8	65
2,4-Dimethylphenol	64.31	75.00	ug/L	86%		25-120	4	64
1,2,4-Trichlorobenzene	56.88	75.00	ug/L	76%		26-120	8	63
4-Chloro-3-methylphenol	76.34	75.00	ug/L	102%	b	39-120	1	58
2,4,5-Trichlorophenol	68.25	75.00	ug/L	91%		38-120	0	59
Acenaphthene	61.29	75.00	ug/L	82%		33-120	18	52
4-Nitrophenol	36.72	75.00	ug/L	49%		12-120	10	63
2,4-Dinitrotoluene	75.96	75.00	ug/L	101%		46-120	9	41
Pentachlorophenol	58.19	75.00	ug/L	78%		37-120	20	42
Pyrene	72.61	75.00	ug/L	97%		47-120	10	43
Chrysene	72.13	75.00	ug/L	96%		48-120	4	46
Benzo(b)fluoranthene	76.52	75.00	ug/L	102%		46-120	19	47
Surrogates								
2-Fluorophenol	23.57	40.00	ug/L	59%		20-140		
Phenol-d6	15.09	40.00	ug/L	38%		20-140		
2,4,6-Tribromophenol	38.89	40.00	ug/L	97%		20-140		
Nitrobenzene-d5	37.48	40.00	ug/L	94%		20-140		
2-Fluorobiphenyl	33.20	40.00	ug/L	83%		20-140		
Terphenyl-d14	40.53	40.00	ug/L	101%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252271**	**Batch:**	**369835**
Matrix:	**TCLP Leachate**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1252271 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	99.98	150.0	ug/L	67%	b	13-120
2-Chlorophenol	132.9	150.0	ug/L	89%		31-120
1,4-Dichlorobenzene	101.1	150.0	ug/L	67%		24-120
3-,4-Methylphenol	151.5	150.0	ug/L	101%		29-120
N-Nitroso-di-n-propylamine	166.2	150.0	ug/L	111%	b	32-120
2,4-Dimethylphenol	152.5	150.0	ug/L	102%		25-120
1,2,4-Trichlorobenzene	117.0	150.0	ug/L	78%		26-120
4-Chloro-3-methylphenol	170.2	150.0	ug/L	113%	b	39-120
2,4,5-Trichlorophenol	146.9	150.0	ug/L	98%		38-120
Acenaphthene	124.7	150.0	ug/L	83%		33-120
4-Nitrophenol	104.2	150.0	ug/L	69%		12-120
2,4-Dinitrotoluene	145.8	150.0	ug/L	97%		46-120
Pentachlorophenol	112.8	150.0	ug/L	75%		37-120
Pyrene	117.9	150.0	ug/L	79%		47-120
Chrysene	135.3	150.0	ug/L	90%		48-120
Benzo(b)fluoranthene	133.8	150.0	ug/L	89%		46-120
Surrogates						
2-Fluorophenol	63.45	80.00	ug/L	79%		20-140
Phenol-d6	54.68	80.00	ug/L	68%		20-140
2,4,6-Tribromophenol	75.14	80.00	ug/L	94%		20-140
Nitrobenzene-d5	84.24	80.00	ug/L	105%		20-140
2-Fluorobiphenyl	68.04	80.00	ug/L	85%		20-140
Terphenyl-d14	64.37	80.00	ug/L	80%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC1252272**	**Batch:**	**369835**
Matrix (Source ID):	**TCLP Leachate (531810-001)**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1252272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phenol	5,210	5852	150.0	ug/L	-428%	E,b,NM	10-130	20
2-Chlorophenol	153.3	ND	150.0	ug/L	102%		21-130	20
1,4-Dichlorobenzene	114.8	ND	150.0	ug/L	77%		14-130	20
3-,4-Methylphenol	1,077	1177	150.0	ug/L	-67%	NM	19-130	20
N-Nitroso-di-n-propylamine	172.9	227.3	150.0	ug/L	-36%	b,*	22-130	20
2,4-Dimethylphenol	153.3	80.37	150.0	ug/L	49%		15-130	20
1,2,4-Trichlorobenzene	120.9	ND	150.0	ug/L	81%		16-130	20
4-Chloro-3-methylphenol	159.9	ND	150.0	ug/L	107%	b	29-130	20
2,4,5-Trichlorophenol	120.2	ND	150.0	ug/L	80%		28-130	20
Acenaphthene	136.8	ND	150.0	ug/L	91%		23-130	20
4-Nitrophenol	138.3	ND	150.0	ug/L	92%		10-130	20
2,4-Dinitrotoluene	125.1	ND	150.0	ug/L	83%		36-130	20
Pentachlorophenol	239.9	ND	150.0	ug/L		DO	27-130	20
Pyrene	130.2	ND	150.0	ug/L	87%		37-130	20
Chrysene	146.1	ND	150.0	ug/L	97%		38-130	20
Benzo(b)fluoranthene	144.0	ND	150.0	ug/L	96%		36-130	20
Surrogates								
2-Fluorophenol	70.91		80.00	ug/L	89%		10-140	20
Phenol-d6	58.41		80.00	ug/L	73%		10-140	20
2,4,6-Tribromophenol	76.24		80.00	ug/L	95%		12-140	20
Nitrobenzene-d5	97.48		80.00	ug/L	122%		10-140	20
2-Fluorobiphenyl	66.83		80.00	ug/L	84%		11-140	20
Terphenyl-d14	73.58		80.00	ug/L	92%		20-140	20

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1253912	Batch: 370314
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1253912 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.9	05/02/25	05/02/25
Pyridine	ND		ug/L	10	1.7	05/02/25	05/02/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	05/02/25	05/02/25
Phenol	ND		ug/L	10	1.7	05/02/25	05/02/25
Aniline	ND		ug/L	10	3.2	05/02/25	05/02/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.9	05/02/25	05/02/25
2-Chlorophenol	ND		ug/L	10	3.8	05/02/25	05/02/25
1,3-Dichlorobenzene	ND		ug/L	10	4.0	05/02/25	05/02/25
1,4-Dichlorobenzene	ND		ug/L	10	4.2	05/02/25	05/02/25
Benzyl alcohol	ND		ug/L	25	5.2	05/02/25	05/02/25
1,2-Dichlorobenzene	ND		ug/L	10	3.9	05/02/25	05/02/25
2-Methylphenol	ND		ug/L	10	3.3	05/02/25	05/02/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	4.3	05/02/25	05/02/25
3-,4-Methylphenol	ND		ug/L	10	3.1	05/02/25	05/02/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	4.2	05/02/25	05/02/25
Hexachloroethane	ND		ug/L	10	3.7	05/02/25	05/02/25
Nitrobenzene	ND		ug/L	25	8.4	05/02/25	05/02/25
Isophorone	ND		ug/L	10	4.2	05/02/25	05/02/25
2-Nitrophenol	ND		ug/L	10	4.6	05/02/25	05/02/25
2,4-Dimethylphenol	ND		ug/L	10	3.7	05/02/25	05/02/25
Benzoic acid	ND		ug/L	50	7.6	05/02/25	05/02/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	3.9	05/02/25	05/02/25
2,4-Dichlorophenol	ND		ug/L	10	4.4	05/02/25	05/02/25
1,2,4-Trichlorobenzene	ND		ug/L	10	4.1	05/02/25	05/02/25
Naphthalene	ND		ug/L	10	3.8	05/02/25	05/02/25
4-Chloroaniline	ND		ug/L	10	3.6	05/02/25	05/02/25
Hexachlorobutadiene	ND		ug/L	10	3.3	05/02/25	05/02/25
4-Chloro-3-methylphenol	ND		ug/L	10	3.9	05/02/25	05/02/25
2-Methylnaphthalene	ND		ug/L	10	3.6	05/02/25	05/02/25
Hexachlorocyclopentadiene	ND		ug/L	25	10	05/02/25	05/02/25
2,4,6-Trichlorophenol	ND		ug/L	10	4.4	05/02/25	05/02/25
2,4,5-Trichlorophenol	ND		ug/L	10	4.0	05/02/25	05/02/25
2-Chloronaphthalene	ND		ug/L	10	3.9	05/02/25	05/02/25
2-Nitroaniline	ND		ug/L	50	3.4	05/02/25	05/02/25
Dimethylphthalate	ND		ug/L	10	4.0	05/02/25	05/02/25
Acenaphthylene	ND		ug/L	10	4.7	05/02/25	05/02/25
2,6-Dinitrotoluene	ND		ug/L	10	3.9	05/02/25	05/02/25
3-Nitroaniline	ND		ug/L	10	3.6	05/02/25	05/02/25
Acenaphthene	ND		ug/L	10	3.6	05/02/25	05/02/25
2,4-Dinitrophenol	ND		ug/L	50	7.7	05/02/25	05/02/25
4-Nitrophenol	ND		ug/L	50	5.6	05/02/25	05/02/25
Dibenzofuran	ND		ug/L	10	3.6	05/02/25	05/02/25
2,4-Dinitrotoluene	ND		ug/L	10	3.3	05/02/25	05/02/25
Diethylphthalate	ND		ug/L	10	3.1	05/02/25	05/02/25
Fluorene	ND		ug/L	10	3.4	05/02/25	05/02/25
4-Chlorophenyl-phenylether	ND		ug/L	10	3.7	05/02/25	05/02/25
4-Nitroaniline	ND		ug/L	10	3.2	05/02/25	05/02/25

ENTHALPY ANALYTICAL

Batch QC

QC1253912 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	13	05/02/25	05/02/25
N-Nitrosodiphenylamine	ND		ug/L	10	5.8	05/02/25	05/02/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	3.8	05/02/25	05/02/25
4-Bromophenyl-phenylether	ND		ug/L	10	4.0	05/02/25	05/02/25
Hexachlorobenzene	ND		ug/L	10	3.6	05/02/25	05/02/25
Pentachlorophenol	ND		ug/L	25	3.2	05/02/25	05/02/25
Phenanthrene	ND		ug/L	10	2.7	05/02/25	05/02/25
Anthracene	ND		ug/L	10	2.6	05/02/25	05/02/25
Di-n-butylphthalate	ND		ug/L	10	1.7	05/02/25	05/02/25
Fluoranthene	ND		ug/L	10	1.6	05/02/25	05/02/25
Benzidine	ND		ug/L	50	14	05/02/25	05/02/25
Pyrene	ND		ug/L	10	1.9	05/02/25	05/02/25
Butylbenzylphthalate	ND		ug/L	10	2.2	05/02/25	05/02/25
3,3'-Dichlorobenzidine	ND		ug/L	25	3.5	05/02/25	05/02/25
Benzo(a)anthracene	ND		ug/L	10	0.99	05/02/25	05/02/25
Chrysene	ND		ug/L	10	1.2	05/02/25	05/02/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.3	05/02/25	05/02/25
Di-n-octylphthalate	ND		ug/L	10	1.3	05/02/25	05/02/25
Benzo(b)fluoranthene	ND		ug/L	10	1.2	05/02/25	05/02/25
Benzo(k)fluoranthene	ND		ug/L	10	1.4	05/02/25	05/02/25
Benzo(a)pyrene	ND		ug/L	10	1.4	05/02/25	05/02/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	1.2	05/02/25	05/02/25
Dibenz(a,h)anthracene	ND		ug/L	10	1.5	05/02/25	05/02/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.5	05/02/25	05/02/25
TIC:2,6-Dichlorophenol	ND		ug/L			05/02/25	05/02/25
TIC:2-Acetylaminofluorene	ND		ug/L			05/02/25	05/02/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			05/02/25	05/02/25
TIC:4-Aminobiphenyl	ND		ug/L			05/02/25	05/02/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			05/02/25	05/02/25
TIC:Acetonitrile	ND		ug/L			05/02/25	05/02/25
TIC:Acetophenone	ND		ug/L			05/02/25	05/02/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			05/02/25	05/02/25
TIC:Chlorobenzilate	ND		ug/L			05/02/25	05/02/25
TIC:Diallate	ND		ug/L			05/02/25	05/02/25
TIC:Thionazin	ND		ug/L			05/02/25	05/02/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			05/02/25	05/02/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			05/02/25	05/02/25
Surrogates				**Limits**			
2-Fluorophenol	41%		%REC	20-140		05/02/25	05/02/25
Phenol-d6	28%		%REC	20-140		05/02/25	05/02/25
2,4,6-Tribromophenol	70%		%REC	20-140		05/02/25	05/02/25
Nitrobenzene-d5	68%		%REC	20-140		05/02/25	05/02/25
2-Fluorobiphenyl	68%		%REC	20-140		05/02/25	05/02/25
Terphenyl-d14	75%		%REC	20-140		05/02/25	05/02/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1253913**	**Batch:**	**370314**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1253913 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	27.32	75.00	ug/L	36%		13-120
2-Chlorophenol	55.61	75.00	ug/L	74%		31-120
1,4-Dichlorobenzene	57.88	75.00	ug/L	77%		24-120
3-,4-Methylphenol	52.79	75.00	ug/L	70%		29-120
N-Nitroso-di-n-propylamine	68.69	75.00	ug/L	92%		32-120
2,4-Dimethylphenol	66.67	75.00	ug/L	89%		25-120
1,2,4-Trichlorobenzene	60.68	75.00	ug/L	81%		26-120
4-Chloro-3-methylphenol	68.01	75.00	ug/L	91%		39-120
2,4,5-Trichlorophenol	68.45	75.00	ug/L	91%		38-120
Acenaphthene	61.61	75.00	ug/L	82%		33-120
4-Nitrophenol	27.97	75.00	ug/L	37%		12-120
2,4-Dinitrotoluene	73.77	75.00	ug/L	98%		46-120
Pentachlorophenol	53.58	75.00	ug/L	71%		37-120
Pyrene	66.38	75.00	ug/L	89%		47-120
Chrysene	63.65	75.00	ug/L	85%		48-120
Benzo(b)fluoranthene	65.82	75.00	ug/L	88%		46-120
Surrogates						
2-Fluorophenol	20.02	40.00	ug/L	50%		20-140
Phenol-d6	13.97	40.00	ug/L	35%		20-140
2,4,6-Tribromophenol	33.10	40.00	ug/L	83%		20-140
Nitrobenzene-d5	31.81	40.00	ug/L	80%		20-140
2-Fluorobiphenyl	31.06	40.00	ug/L	78%		20-140
Terphenyl-d14	32.49	40.00	ug/L	81%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1253914**	**Batch:**	**370314**
Matrix:	**Water**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1253914 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	28.28	75.00	ug/L	38%		13-120	3	62
2-Chlorophenol	57.77	75.00	ug/L	77%		31-120	4	62
1,4-Dichlorobenzene	59.96	75.00	ug/L	80%		24-120	4	64
3-,4-Methylphenol	54.34	75.00	ug/L	72%		29-120	3	62
N-Nitroso-di-n-propylamine	71.16	75.00	ug/L	95%		32-120	4	65
2,4-Dimethylphenol	68.86	75.00	ug/L	92%		25-120	3	64
1,2,4-Trichlorobenzene	63.80	75.00	ug/L	85%		26-120	5	63
4-Chloro-3-methylphenol	71.97	75.00	ug/L	96%		39-120	6	58
2,4,5-Trichlorophenol	71.40	75.00	ug/L	95%		38-120	4	59
Acenaphthene	65.37	75.00	ug/L	87%		33-120	6	52
4-Nitrophenol	29.79	75.00	ug/L	40%		12-120	6	63
2,4-Dinitrotoluene	78.67	75.00	ug/L	105%		46-120	6	41
Pentachlorophenol	57.94	75.00	ug/L	77%		37-120	8	42
Pyrene	71.42	75.00	ug/L	95%		47-120	7	43
Chrysene	68.55	75.00	ug/L	91%		48-120	7	46
Benzo(b)fluoranthene	69.21	75.00	ug/L	92%		46-120	5	47
Surrogates								
2-Fluorophenol	21.14	40.00	ug/L	53%		20-140		
Phenol-d6	14.47	40.00	ug/L	36%		20-140		
2,4,6-Tribromophenol	36.33	40.00	ug/L	91%		20-140		
Nitrobenzene-d5	33.84	40.00	ug/L	85%		20-140		
2-Fluorobiphenyl	33.61	40.00	ug/L	84%		20-140		
Terphenyl-d14	35.46	40.00	ug/L	89%		20-140		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1253916**	**Batch:**	**370314**
Matrix:	**TCLP Leachate**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1253916 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	63.35	150.0	ug/L	42%		13-120
2-Chlorophenol	82.31	150.0	ug/L	55%		31-120
1,4-Dichlorobenzene	80.69	150.0	ug/L	54%		24-120
3-,4-Methylphenol	86.83	150.0	ug/L	58%		29-120
N-Nitroso-di-n-propylamine	97.15	150.0	ug/L	65%		32-120
2,4-Dimethylphenol	98.13	150.0	ug/L	65%		25-120
1,2,4-Trichlorobenzene	86.23	150.0	ug/L	57%		26-120
4-Chloro-3-methylphenol	100.2	150.0	ug/L	67%		39-120
2,4,5-Trichlorophenol	101.5	150.0	ug/L	68%		38-120
Acenaphthene	88.44	150.0	ug/L	59%		33-120
4-Nitrophenol	81.91	150.0	ug/L	55%		12-120
2,4-Dinitrotoluene	130.9	150.0	ug/L	87%		46-120
Pentachlorophenol	100.6	150.0	ug/L	67%		37-120
Pyrene	120.9	150.0	ug/L	81%		47-120
Chrysene	118.6	150.0	ug/L	79%		48-120
Benzo(b)fluoranthene	121.7	150.0	ug/L	81%		46-120
Surrogates						
2-Fluorophenol	36.76	80.00	ug/L	46%		20-140
Phenol-d6	31.51	80.00	ug/L	39%		20-140
2,4,6-Tribromophenol	59.92	80.00	ug/L	75%		20-140
Nitrobenzene-d5	47.33	80.00	ug/L	59%		20-140
2-Fluorobiphenyl	45.30	80.00	ug/L	57%		20-140
Terphenyl-d14	60.44	80.00	ug/L	76%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC1253917**	**Batch:**	**370314**
Matrix (Source ID):	**TCLP Leachate (532117-001)**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3510C**

QC1253917 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phenol	8,351	8112	150.0	ug/L	159%	E,NM	10-130	20
2-Chlorophenol	108.7	ND	150.0	ug/L	72%		21-130	20
1,4-Dichlorobenzene	96.40	ND	150.0	ug/L	64%		14-130	20
3-,4-Methylphenol	636.2	528.7	150.0	ug/L	72%		19-130	20
N-Nitroso-di-n-propylamine	141.0	96.54	150.0	ug/L	30%		22-130	20
2,4-Dimethylphenol	140.1	ND	150.0	ug/L	93%		15-130	20
1,2,4-Trichlorobenzene	110.2	ND	150.0	ug/L	73%		16-130	20
4-Chloro-3-methylphenol	161.6	ND	150.0	ug/L	108%		29-130	20
2,4,5-Trichlorophenol	142.4	ND	150.0	ug/L	95%		28-130	20
Acenaphthene	115.1	ND	150.0	ug/L	77%		23-130	20
4-Nitrophenol	100.1	ND	150.0	ug/L		DO	10-130	20
2,4-Dinitrotoluene	122.1	ND	150.0	ug/L	81%		36-130	20
Pentachlorophenol	223.6	ND	150.0	ug/L		DO	27-130	20
Pyrene	116.4	ND	150.0	ug/L	78%		37-130	20
Chrysene	116.8	ND	150.0	ug/L	78%		38-130	20
Benzo(b)fluoranthene	111.2	ND	150.0	ug/L	74%		36-130	20
Surrogates								
2-Fluorophenol	51.66		80.00	ug/L	65%		10-140	20
Phenol-d6	56.40		80.00	ug/L	70%		10-140	20
2,4,6-Tribromophenol	71.56		80.00	ug/L	89%		12-140	20
Nitrobenzene-d5	59.64		80.00	ug/L	75%		10-140	20
2-Fluorobiphenyl	56.01		80.00	ug/L	70%		11-140	20
Terphenyl-d14	58.09		80.00	ug/L	73%		20-140	20

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1252695		**Batch:** 369948
Matrix: Water	**Method:** EPA 8270C-SIM		**Prep Method:** EPA 3510C

QC1252695 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.25	04/29/25	04/30/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	04/29/25	04/30/25
Naphthalene	ND		ug/L	0.50	0.21	04/29/25	04/30/25
Acenaphthylene	ND		ug/L	0.50	0.23	04/29/25	04/30/25
Acenaphthene	ND		ug/L	0.50	0.22	04/29/25	04/30/25
Fluorene	ND		ug/L	0.50	0.23	04/29/25	04/30/25
Phenanthrene	ND		ug/L	0.50	0.20	04/29/25	04/30/25
Anthracene	ND		ug/L	0.50	0.23	04/29/25	04/30/25
Fluoranthene	ND		ug/L	0.50	0.19	04/29/25	04/30/25
Pyrene	ND		ug/L	0.50	0.19	04/29/25	04/30/25
Benzo(a)anthracene	ND		ug/L	0.50	0.13	04/29/25	04/30/25
Chrysene	ND		ug/L	0.50	0.17	04/29/25	04/30/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.12	04/29/25	04/30/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.15	04/29/25	04/30/25
Benzo(a)pyrene	ND		ug/L	0.50	0.14	04/29/25	04/30/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.26	04/29/25	04/30/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.26	04/29/25	04/30/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.25	04/29/25	04/30/25
Surrogates				**Limits**			
Nitrobenzene-d5	61%		%REC	16-125		04/29/25	04/30/25
2-Fluorobiphenyl	62%		%REC	17-120		04/29/25	04/30/25
Terphenyl-d14	86%		%REC	39-123		04/29/25	04/30/25

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252696**	**Batch:**	**369948**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1252696 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	2.635	4.000	ug/L	66%		23-120
2-Methylnaphthalene	2.660	4.000	ug/L	66%		33-120
Naphthalene	2.593	4.000	ug/L	65%		38-120
Acenaphthylene	2.798	4.000	ug/L	70%		37-120
Acenaphthene	2.723	4.000	ug/L	68%		39-120
Fluorene	2.948	4.000	ug/L	74%		43-120
Phenanthrene	3.036	4.000	ug/L	76%		42-120
Anthracene	2.965	4.000	ug/L	74%		42-120
Fluoranthene	3.219	4.000	ug/L	80%		48-120
Pyrene	3.210	4.000	ug/L	80%		44-120
Benzo(a)anthracene	3.281	4.000	ug/L	82%		51-126
Chrysene	3.324	4.000	ug/L	83%		47-120
Benzo(b)fluoranthene	3.258	4.000	ug/L	81%		44-127
Benzo(k)fluoranthene	3.307	4.000	ug/L	83%		43-127
Benzo(a)pyrene	2.972	4.000	ug/L	74%		29-124
Indeno(1,2,3-cd)pyrene	3.463	4.000	ug/L	87%		44-127
Dibenz(a,h)anthracene	3.512	4.000	ug/L	88%		55-120
Benzo(g,h,i)perylene	3.463	4.000	ug/L	87%		46-120
Surrogates						
Nitrobenzene-d5	2.386	4.000	ug/L	60%		16-125
2-Fluorobiphenyl	2.541	4.000	ug/L	64%		17-120
Terphenyl-d14	3.523	4.000	ug/L	88%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1252697**	**Batch:**	**369948**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1252697 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	2.926	4.000	ug/L	73%		23-120	10	20
2-Methylnaphthalene	2.935	4.000	ug/L	73%		33-120	10	20
Naphthalene	2.929	4.000	ug/L	73%		38-120	12	20
Acenaphthylene	3.048	4.000	ug/L	76%		37-120	9	20
Acenaphthene	3.024	4.000	ug/L	76%		39-120	10	20
Fluorene	3.222	4.000	ug/L	81%		43-120	9	20
Phenanthrene	3.199	4.000	ug/L	80%		42-120	5	20
Anthracene	3.119	4.000	ug/L	78%		42-120	5	20
Fluoranthene	3.317	4.000	ug/L	83%		48-120	3	20
Pyrene	3.305	4.000	ug/L	83%		44-120	3	20
Benzo(a)anthracene	3.326	4.000	ug/L	83%		51-126	1	20
Chrysene	3.369	4.000	ug/L	84%		47-120	1	20
Benzo(b)fluoranthene	3.364	4.000	ug/L	84%		44-127	3	20
Benzo(k)fluoranthene	3.306	4.000	ug/L	83%		43-127	0	20
Benzo(a)pyrene	3.037	4.000	ug/L	76%		29-124	2	20
Indeno(1,2,3-cd)pyrene	3.492	4.000	ug/L	87%		44-127	1	20
Dibenz(a,h)anthracene	3.552	4.000	ug/L	89%		55-120	1	20
Benzo(g,h,i)perylene	3.505	4.000	ug/L	88%		46-120	1	20
Surrogates								
Nitrobenzene-d5	2.725	4.000	ug/L	68%		16-125		
2-Fluorobiphenyl	2.818	4.000	ug/L	70%		17-120		
Terphenyl-d14	3.579	4.000	ug/L	89%		39-123		

Type:	**Blank**	**Lab ID:**	**QC1253644**	**Batch:**	**370243**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1253644 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	05/01/25	05/01/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1253645**	**Batch:**	**370243**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1253645 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1026	0.1000	mg/L	103%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC1253646**	**Batch:**	**370243**
Matrix (Source ID):	**Water (531563-002)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1253646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.08783	0.01102	0.1000	mg/L	77%	*	80-120	0.5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1253647	Batch:	370243
Matrix (Source ID):	Water (531563-002)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC1253647 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.06065	0.01102	0.1000	mg/L	50%	*	80-120	37*	20	0.5

Type:	Blank	Lab ID:	QC1252419	Batch:	369874
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1252419 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		04/28/25	04/28/25

Type:	Lab Control Sample	Lab ID:	QC1252420	Batch:	369874
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1252420 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1252421	Batch:	369874
Matrix (Source ID):	Water (531562-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1252421 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1252422	Batch:	369874
Matrix (Source ID):	Water (531562-001)	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1252422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
DO	Diluted Out
E	Response exceeds instrument's linear range
J	Estimated value
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 531817

Subcontracted Products

Pace Laboratories

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 13, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 531817
Pace Project No.: 30775412

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 531817
Pace Project No.: 30775412

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30775412001	**SOUTH BASIN WEST INLET**	Water	04/26/25 09:15	04/29/25 10:35
30775412002	**SOUTH BASIN EAST INLET**	Water	04/26/25 09:45	04/29/25 10:35

REPORT OF LABORATORY ANALYSIS

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ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2506811

2506811

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET -1	26-APR-2025 09:15	531817-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN EAST INLET -2	26-APR-2025 09:45	531817-002	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	Ana Maluk EA-Ora	
	Date: 4/28/25 14:30	Date: 4/29/25 1035
	Date:	Date:
	Date:	Date:

CHK BY JVM
DISTRIBUTION
SUB OUT

PACE ANALYTICAL	COOLER RECEIPT FORM	Page 1 Of 1
Submission #: 7506811		

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☐ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐
W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received
☐ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 367
Temperature: (A) 0.3 °C / (C) 0.3 °C

Date/Time 4/29/25
Analyst Init ICP 1035

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / (32oz) AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: _____ Date/Time: 04/29/25 1248
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Date of Report: 05/12/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project:	[none]
Pace Project:	Chiquita Canyon Landfill Stormwater
Pace Work Order:	2506811
Invoice ID:	B516764

Enclosed are the results of analyses for samples received by the laboratory on 4/29/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Williams
Client Service Rep

Steven Bennett
Operations Manager

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ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2506811

2506811

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET -1	26-APR-2025 09:15	531817-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN EAST INLET -2	26-APR-2025 09:45	531817-002	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	Ana Maluto EA-Ora	
	Date: 4/28/25 14:30	Date: 4/29/25 1035
	Date:	Date:
	Date:	Date:

CHK BY JM DISTRIBUTION SUB OUT

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PACE ANALYTICAL	COOLER RECEIPT FORM	Page 1 Of 1
Submission #: 7506811		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☒ Pace Lab Field Service ☐ Other ☐ (Specify)_____	Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☒ NO ☐ W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact: Yes ☐ No ☐ Containers ☐ Intact: Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 367 Date/Time 4/29/25

Temperature: (A) 0.3 °C / (C) 0.3 °C Analyst Init JCD 1035

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
FT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JCD Date/Time: 04/29/25 1248

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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Chain of Custody and Cooler Receipt Form for 2506811 Page 3 of 4

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ ☐ Samples Pre-Logged into eCOC

Cert. Needed: ☐ Yes ☐ No

Workorder: 30775412 Workorder Name: 531817 Owner Received Date: 4/29/2025 Results Requested By: 5/13/2025

Report To

Nikayla M. Yasurek
Pace Analytical Pittsburgh
1638 Roseytown Road
Suites 2,3,4
Greensburg, PA 15601
Phone (724)850-5600

Subcontract To

Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl	Organophosphorus Pesticides	LAB USE ONLY
1	SOUTH BASIN WEST INLET	PS	4/26/2025 09:15	30775412001	Water	1	X	
2	SOUTH BASIN EAST INLET	PS	4/26/2025 09:45	30775412002	Water	1	X	
3								
4								
5								

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Cooler Temperature on Receipt ____ °C | **Custody Seal Y or N** | **Received on Ice Y or N** | **Samples Intact Y or N**

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*

This chain of custody is considered complete as is since this information is available in the owner laboratory.

Wednesday, April 30, 2025 3:59:27 PM FMT-ALL-C-002rev.00 24March2009 Page 1 of 1

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INTER_LABORATORY WORK ORDER # 30775412
(To be completed by sending lab)

Ship To:
Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

Sending Project No:	30775412
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	04/30/25
REQUESTED COMPLETION DATE:	**5/13/2025**

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Nikayla M. Yasurek
Receiving Region	S870	External Client	Enthalpy Analytical
State of Sample Origin		QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Organophosphorus Pesticides	DG9H		HCL	2	SI-33GCV	SUB PASI GCV

Special Requirements: Report C, QC Limits (C),CA PWS CLIP (1687),PEG Level LE (1550)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Wednesday, April 30, 2025 3:59:29 PM FMT-ALL-C-001 rev.00 24March2009 Page 1 of 1

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2506811-01	**COC Number:**	---	**Receive Date:**	04/29/2025 10:35
	Project Number:	---	**Sampling Date:**	04/26/2025 09:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN WEST INLET	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water
2506811-02	**COC Number:**	---	**Receive Date:**	04/29/2025 10:35
	Project Number:	---	**Sampling Date:**	04/26/2025 09:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	SOUTH BASIN EAST INLET	**Lab Matrix:**	Water
	Sampled By:	Client	**Sample Type:**	Water

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2506811-01 | **Client Sample Name:** SOUTH BASIN WEST INLET, 4/26/2025 9:15:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	66.0	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	05/02/25 11:50	05/12/25 10:53	HAH	GC-18	1	B211435	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2506811-02 | **Client Sample Name:** SOUTH BASIN EAST INLET, 4/26/2025 9:45:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	75.0	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	05/02/25 11:50	05/12/25 11:23	HAH	GC-18	1.010	B211435	EPA 3510C

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B211435							
Azinphos methyl	B211435-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B211435-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B211435-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B211435-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B211435-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B211435-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B211435-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B211435-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B211435-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B211435-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Naled	B211435-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B211435-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B211435-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B211435-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B211435-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B211435-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	**B211435-BLK1**	**87.0**	%	**50 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B211435-BLK1	PB	EPA-8141A	05/02/25	05/12/25 09:24	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B211435											
Bolstar	B211435-BS1	LCS	1.5150	2.0000	ug/L	75.8		50 - 130			1
	B211435-BSD1	LCSD	1.5500	2.0000	ug/L	77.5	2.3	50 - 130	30		2
Chlorpyrifos	B211435-BS1	LCS	1.6750	2.0000	ug/L	83.8		60 - 120			1
	B211435-BSD1	LCSD	1.6150	2.0000	ug/L	80.8	3.6	60 - 120	30		2
Diazinon	B211435-BS1	LCS	1.7400	2.0000	ug/L	87.0		60 - 130			1
	B211435-BSD1	LCSD	1.6350	2.0000	ug/L	81.8	6.2	60 - 130	30		2
Methyl parathion	B211435-BS1	LCS	1.6800	2.0000	ug/L	84.0		60 - 120			1
	B211435-BSD1	LCSD	1.6100	2.0000	ug/L	80.5	4.3	60 - 120	30		2
Mevinphos	B211435-BS1	LCS	1.9450	2.0000	ug/L	97.2		50 - 120			1
	B211435-BSD1	LCSD	1.9300	2.0000	ug/L	96.5	0.8	50 - 120	30		2
Ronnel (Fenchlorphos)	B211435-BS1	LCS	1.8150	2.0000	ug/L	90.8		50 - 120			1
	B211435-BSD1	LCSD	1.7000	2.0000	ug/L	85.0	6.5	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	B211435-BS1	LCS	1.6500	2.0000	ug/L	82.5		50 - 120			1
	B211435-BSD1	LCSD	1.6050	2.0000	ug/L	80.2	2.8	50 - 120	30		2
Triphenylphosphate (Surrogate)	**B211435-BS1**	LCS	**4.1300**	**2.5000**	**ug/L**	**165**		**50 - 130**		**S09**	1
	B211435-BSD1	LCSD	**4.2500**	**2.5000**	**ug/L**	**170**	**2.9**	**50 - 130**		**S09**	2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B211435-BS1	LCS	EPA-8141A	05/02/25	05/12/25 09:54	HAH	GC-18	1
2	B211435-BSD1	LCSD	EPA-8141A	05/02/25	05/12/25 10:24	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
S09	The surrogate recovery for this compound was not within the control limits.

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Laboratory Job Number 531817

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2504M23

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-531817

Project Location:
Project Received: 04/29/2025

Analytical Report reviewed & approved for release on 05/02/2025 by:

Yen Cao

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M23

Project: EO-531817

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M23

Project: EO-531817

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M23
Date Received:	04/29/2025 11:04	**Extraction Method:**	E8151A
Date Prepared:	04/30/2025	**Analytical Method:**	E8151A
Project:	EO-531817	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN WEST INLET	2504M23-001A	Water	04/26/2025 09:15	GC15A 04302518.D	316393

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	04/30/2025 20:29
Bentazon	ND	4.1	10	10	04/30/2025 20:29
Chloramben	ND	3.1	10	10	04/30/2025 20:29
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	04/30/2025 20:29
2,4-DB	ND	2.1	10	10	04/30/2025 20:29
Dalapon	ND	3.9	10	10	04/30/2025 20:29
DCPA (mono & diacid)	ND	1.4	10	10	04/30/2025 20:29
Dicamba	ND	0.59	2.0	10	04/30/2025 20:29
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	04/30/2025 20:29
Dichloroprop	ND	1.8	10	10	04/30/2025 20:29
Dinoseb (DNBP)	ND	1.8	10	10	04/30/2025 20:29
MCPA	ND	14	20	10	04/30/2025 20:29
MCPP	ND	7.7	20	10	04/30/2025 20:29
4-Nitrophenol	ND	5.0	10	10	04/30/2025 20:29
Pentachlorophenol (PCP)	ND	0.55	2.0	10	04/30/2025 20:29
Picloram	ND	3.5	10	10	04/30/2025 20:29
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	04/30/2025 20:29
2,4,5-TP (Silvex)	ND	1.4	5.0	10	04/30/2025 20:29

Surrogates	REC (%)	Limits	
DCAA	83	60-140	04/30/2025 20:29

Analyst(s): DP Analytical Comments: a3

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M23
Date Received:	04/29/2025 11:04	**Extraction Method:**	E8151A
Date Prepared:	04/30/2025	**Analytical Method:**	E8151A
Project:	EO-531817	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN EAST INLET	2504M23-002A	Water	04/26/2025 09:45	GC15A 04302519.D	316393

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	04/30/2025 20:54
Bentazon	ND	4.1	10	10	04/30/2025 20:54
Chloramben	ND	3.1	10	10	04/30/2025 20:54
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	04/30/2025 20:54
2,4-DB	ND	2.1	10	10	04/30/2025 20:54
Dalapon	ND	3.9	10	10	04/30/2025 20:54
DCPA (mono & diacid)	ND	1.4	10	10	04/30/2025 20:54
Dicamba	ND	0.59	2.0	10	04/30/2025 20:54
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	04/30/2025 20:54
Dichloroprop	ND	1.8	10	10	04/30/2025 20:54
Dinoseb (DNBP)	ND	1.8	10	10	04/30/2025 20:54
MCPA	ND	14	20	10	04/30/2025 20:54
MCPP	ND	7.7	20	10	04/30/2025 20:54
4-Nitrophenol	ND	5.0	10	10	04/30/2025 20:54
Pentachlorophenol (PCP)	ND	0.55	2.0	10	04/30/2025 20:54
Picloram	ND	3.5	10	10	04/30/2025 20:54
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	04/30/2025 20:54
2,4,5-TP (Silvex)	ND	1.4	5.0	10	04/30/2025 20:54

Surrogates	REC (%)	Limits	
DCAA	97	60-140	04/30/2025 20:54

Analyst(s): DP Analytical Comments: a3

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M23
Date Prepared:	04/30/2025	**BatchID:**	316393
Date Analyzed:	04/30/2025	**Extraction Method:**	E8151A
Instrument:	GC15A	**Analytical Method:**	E8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-531817	**Sample ID:**	MB/LCS/LCSD-316393

QC Summary Report for E8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	11			10	107	70-130

(Cont.)

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M23
Date Prepared:	04/30/2025	**BatchID:**	316393
Date Analyzed:	04/30/2025	**Extraction Method:**	E8151A
Instrument:	GC15A	**Analytical Method:**	E8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-531817	**Sample ID:**	MB/LCS/LCSD-316393

QC Summary Report for E8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	10	11	10	104	107	70-130	2.55	30
Bentazon	10	11	10	105	110	70-130	4.54	30
Chloramben	10	10	10	100	104	70-130	3.39	30
2,4-D (Dichlorophenoxyacetic acid)	9.4	10	10	94	101	70-130	7.24	30
2,4-DB	11	11	10	107	114	70-130	6.62	30
Dalapon	10	12	10	105	119	70-130	12.5	30
DCPA (mono & diacid)	10	11	10	103	108	70-130	4.32	30
Dicamba	9.9	11	10	99	109	70-130	8.99	30
3,5-Dichlorobenzoic Acid	9.6	11	10	96	108	70-130	11.5	30
Dichloroprop	10	11	10	105	110	70-130	4.94	30
Dinoseb (DNBP)	9.8	10	10	98	100	70-130	2.46	30
MCPA	83	93	100	83	93	70-130	11.5	30
MCPP	86	100	100	86	100	70-130	14.4	30
4-Nitrophenol	14	15	10	138,F2	150,F2	70-130	8.53	30
Pentachlorophenol (PCP)	9.9	11	10	99	106	70-130	7.21	30
Picloram	12	12	10	118	118	70-130	0.407	30
2,4,5-T (Trichlorophenoxy acetic acid)	11	11	10	108	113	70-130	4.53	30
2,4,5-TP (Silvex)	10	11	10	101	107	70-130	5.83	30
Surrogate Recovery								
DCAA	10	11	10	101	110	70-130	8.76	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2504M23 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531817

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 3 days;

Date Received: **04/29/2025**
Date Logged: **04/29/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504M23-001	SOUTH BASIN WEST INLET	Water	4/26/2025 09:15	☐	A	A										
2504M23-002	SOUTH BASIN EAST INLET	Water	4/26/2025 09:45	☐	A	A										

Test Legend:

1	8151_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-531817 **Work Order:** 2504M23
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN WEST INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	4/26/2025 9:15	3 days	5/2/2025	Present	☐	☐
002A	SOUTH BASIN EAST INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	4/26/2025 9:45	3 days	5/2/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2504 M23

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	26-APR-2025 09:15	531817-001	1	Water	EPA 8151A Chlorinated Herbicides	
SOUTH BASIN EAST INLET	26-APR-2025 09:45	531817-002	1	Water	EPA 8151A Chlorinated Herbicides	

Notes:	Relinquished By:	Received By:
	J. Christyson EA-ORA	Carlumpio
	Date: 04/28/25 1430	Date: 4/29/25 1104
	Date:	Date:
	Date:	Date:

GIS: 562943407

2-7 wet IR45

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	4/29/2025 11:04
Project:	EO-531817	Date Logged:	4/29/2025
		Received by:	Carolina Garcia
WorkOrder №:	2504M23 Matrix:	Logged by:	Carolina Garcia
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 2.7°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Laboratory Job Number 531817

Subcontracted Products

Enthalpy - El Dorado Hills

May 11, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2504330

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on April 29, 2025 under your Project Name 'EO-531817'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Byron Clack For Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2504330
Case Narrative

Sample Condition on Receipt:

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The sample was extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2504330-01	SOUTH BASIN WEST INLET	26-Apr-25 09:15	29-Apr-25 11:15	Amber Glass NM Bottle, 1L
2504330-02	SOUTH BASIN EAST INLET	26-Apr-25 09:45	29-Apr-25 11:15	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-531817
Matrix: Aqueous

Laboratory Data
Lab Sample: B25E065-BLK1
QC Batch: B25E065 Date Extracted: 06-May-25
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		07-May-25 22:16	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	87.7	40 - 135		07-May-25 22:16	1
37Cl-2,3,7,8-TCDD	CRS	92.5	40 - 135		07-May-25 22:16	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: OPR **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-531817
Matrix: Aqueous

Laboratory Data
Lab Sample: B25E065-BS1
QC Batch: B25E065 Date Extracted: 06-May-25 03:50
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	176	200	88.0	70-130		07-May-25 19:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	103	40-135		07-May-25 19:56	1
37Cl-2,3,7,8-TCDD	CRS	110	40-135		07-May-25 19:56	1

Sample ID: SOUTH BASIN WEST INLET **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-531817
Matrix: Water
Date Collected: 26-Apr-25 09:15

Laboratory Data

Lab Sample: 2504330-01
QC Batch: B25E065
Sample Size: 1.03 L
Date Received: 29-Apr-25 11:15
Date Extracted: 06-May-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.73	4.86		07-May-25 23:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	88.2	40 - 135		07-May-25 23:03	1
37Cl-2,3,7,8-TCDD	CRS	97.1	40 - 135		07-May-25 23:03	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

Sample ID: SOUTH BASIN EAST INLET **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-531817
Matrix: Water
Date Collected: 26-Apr-25 09:45

Laboratory Data

Lab Sample: 2504330-02
QC Batch: B25E065
Sample Size: 1.02 L
Date Received: 29-Apr-25 11:15
Date Extracted: 06-May-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.75	4.92		07-May-25 23:50	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	88.8	40 - 135		07-May-25 23:50	1
37Cl-2,3,7,8-TCDD	CRS	97.4	40 - 135		07-May-25 23:50	1

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504330 1.9°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	26-APR-2025 09:15	531817-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	
SOUTH BASIN EAST INLET	26-APR-2025 09:45	531817-002	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	Anna Bolcat EA-Ora	Kelia Wadsworth Kelia Wadsworth
	Date: 4/28/25 14:30	Date: 04/29/25 1115
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2504330

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2504330-01	A SOUTH BASIN WEST INLET	☑ ②	531817-001	26-Apr-25 09:15	☑	Amber Glass NM Bottle, 1L	Aqueous	
2504330-02	A SOUTH BASIN EAST INLET	☑	531817-002	26-Apr-25 09:45	☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments: ② no backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: MMS 04/29/25
KBB 04/29/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531819
Report Level : II
Report Date : 05/09/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Kate Logan Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384		Lab Job #: Project No: Location: Date Received:	531819 SW - MPARS SW - MPARS 04/26/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531819-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531819-002	04/26/25 09:45	Water
TRIP BLANK	531819-003	04/26/25 00:00	Water

Case Narrative

Waste Connections Chiquita Canyon Landfill 29201 Henry Mayo Drive Castaic, CA 91384 Kate Logan	Lab Job Number: 531819 Project No: SW - MPARS Location: SW - MPARS Date Received: 04/26/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 370234; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):
No analytical problems were encountered.

Metals (EPA 200.7 and EPA 200.8):

- High recoveries were observed for boron in the MS/MSD for batch 369931; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for boron.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Conductivity (SM2510B):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

Sulfide (SM 4500-S2-D):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 531819

Page: 3 of 4

Turn Around Time (rush by advanced notice onl

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	CHIQUITA CANYON LANDFILL	LIMS Account:	**CTEH-CHIQUITA**
Report To:	KATE LOGAN	**LIMS Proj. Name:**	WC CHIQUITACANYON LF
Email:	Kate.Logan@Waste.Connections.com	Project #:	Proj-037507
Address:	29201 Henry Mayo Dr	P.O. #:	PO-4050-24-00351
	Castic, Ca 91384	Address:	29201 Henry Mayo Dr., Castaic, CA
Phone:	682-559-3880	Global ID:	
Fax:		**Sampled By:**	CH ST

Analysis Request

Test Instructions / Commen

MPARS

Email report to:

East 6.79
4.6C

West 7.63
4.6C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TOTAL METALS	8260 + APPENDIX II	300.0 NO3,BROMINE, FLURIDE, SO4	TOC	COD	8270 SIM 1 4-DIONANE	SLK, BICARB, TDS	SULFIDE		
1	SOUTH BASIN WEST INLET	04/26/25	0915	W	12	6,2,4,1	X	X	X	X	X	X	X	X		
2	SOUTH BASIN EAST INLET	04/26/25	0945	W	12	6,2,4,1	X	X	X	X	X	X	X	X		
3																
4																
5																
6																
7																
8																
9																
10																

Login 531819

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Caleb Hercyle	CTEH	4/26/2025 1355
[1] Received By:		JELBERT QUITEVA	EA-ORA	04/26/25 1355
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 04/26/25 WO# 531819 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.1 / 9.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?		X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?	X		
13) Are VOA vials free from headspace/bubbles > 6mm?		X	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

4.13) SAMPLE 002 - 1 OF 3 HCL PRES. VOA VIALS W/ HEADSPACE > 6MM
SAMPLE 003 - 1 OF 1 HCL PRES. VOA VIAL W/ HEADSPACE > 6MM

☐ **No additional discrepancies**

Date Logged 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

Date Labeled 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

Analysis Results for 531819

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531819
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 04/26/25

Sample ID: SOUTH BASIN WEST INLET | **Lab ID:** 531819-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

531819-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**52**		mg/L	0.57	0.57	1	369903	04/28/25	04/29/25	SBW
Magnesium	**12**		mg/L	0.10	0.025	1	369903	04/28/25	04/29/25	SBW
Potassium	**14**		mg/L	0.50	0.40	1	369903	04/28/25	04/29/25	SBW
Sodium	**29**		mg/L	0.50	0.35	1	369903	04/28/25	04/29/25	SBW
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**89**		ug/L	50	28	5	369931	04/28/25	04/30/25	KAM
Manganese	**400**		ug/L	100	43	10	369931	04/28/25	04/29/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.23**		mg/L	0.20	0.034	1	370505	05/05/25 18:00	05/06/25 00:10	SSN
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	369831	04/26/25 18:00	04/26/25 19:57	SSN
Bromide	ND		mg/L	0.30	0.060	1	370505	05/05/25 18:00	05/06/25 00:10	SSN
Nitrogen, Nitrate	**0.63**		mg/L	0.10	0.05	1	369831	04/26/25 18:00	04/26/25 19:57	SSN
Sulfate	**28**		mg/L	1.0	0.18	1	370505	05/05/25 18:00	05/06/25 00:10	SSN
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	370234	05/01/25	05/01/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromomethane	ND		ug/L	5.0	0.8	1	370234	05/01/25	05/01/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Acetone	**32**	J	ug/L	100	17	1	370234	05/01/25	05/01/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	370234	05/01/25	05/01/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Butanone	**4.0**	J	ug/L	100	2.0	1	370234	05/01/25	05/01/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531819

531819-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	370234	05/01/25	05/01/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Toluene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370234	05/01/25	05/01/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Styrene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	370234	05/01/25	05/01/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
para-Isopropyl Toluene	**0.1**	J	ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370234	05/01/25	05/01/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane-d4	122%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Toluene-d8	94%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST

Method: EPA 8270C-SIM
Prep Method: EPA 3535

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531819

531819-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	5.0	4.8	5	370011	04/29/25	04/30/25	ZFA
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	96%		%REC	80-120		5	370011	04/29/25	04/30/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**190**		mg/L	4.0	2.7	4	369964	04/29/25	04/29/25	CKN
Method: SM2130B										
Turbidity	**1,400**		NTU	0.20	0.12	1	369829	04/26/25 15:39	04/26/25 15:39	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**120**		mg/L	8.0		3.3	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	**99**		mg/L	6.7		3.3	369916	04/28/25	04/28/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**1,490**		umhos/cm	1.0		1	370152	04/30/25	04/30/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**400**		mg/L	20		2	369929	04/28/25	04/29/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**400**		mg/L	4.0	2.0	1	370441	05/04/25	05/04/25	TDD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531819

Sample ID:	Lab ID: 531819-002	Collected: 04/26/25 09:45
SOUTH BASIN EAST INLET	Matrix: Water	

531819-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	**360**		mg/L	0.57	0.57	1	369903	04/28/25	04/29/25	SBW
Magnesium	**66**		mg/L	0.10	0.025	1	369903	04/28/25	04/29/25	SBW
Potassium	**29**		mg/L	0.50	0.40	1	369903	04/28/25	04/29/25	SBW
Sodium	**130**		mg/L	0.50	0.35	1	369903	04/28/25	04/29/25	SBW
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	**280**		ug/L	100	56	10	369931	04/28/25	04/29/25	KAM
Manganese	**2,000**		ug/L	100	43	10	369931	04/28/25	04/29/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.24**		mg/L	0.20	0.034	1	370505	05/05/25 18:00	05/06/25 00:30	SSN
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	369831	04/26/25 18:00	04/26/25 18:50	SSN
Bromide	**0.29**	J	mg/L	0.30	0.060	1	370505	05/05/25 18:00	05/06/25 00:30	SSN
Nitrogen, Nitrate	**2.1**		mg/L	0.10	0.05	1	369831	04/26/25 18:00	04/26/25 18:50	SSN
Sulfate	**730**		mg/L	10	1.8	10	369831	04/26/25 18:00	04/26/25 19:40	SSN
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	370234	05/01/25	05/01/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromomethane	ND		ug/L	5.0	0.8	1	370234	05/01/25	05/01/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Acetone	**21**	J	ug/L	100	17	1	370234	05/01/25	05/01/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	370234	05/01/25	05/01/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Butanone	**3.8**	J	ug/L	100	2.0	1	370234	05/01/25	05/01/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531819

531819-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	**1.5**	J	ug/L	5.0	1.4	1	370234	05/01/25	05/01/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Toluene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370234	05/01/25	05/01/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Styrene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	370234	05/01/25	05/01/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370234	05/01/25	05/01/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane-d4	122%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Toluene-d8	93%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	25	24	25	370011	04/29/25	04/30/25	XLY
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		25	370011	04/29/25	04/30/25	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 531819

531819-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	**15**		mg/L	2.0	1.4	2	369964	04/29/25	04/29/25	CKN
Method: SM2130B										
Turbidity	**33,000**		NTU	10	6.2	50	369829	04/26/25 15:39	04/26/25 15:39	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**88**		mg/L	4.8		2	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	**86**		mg/L	4.0		2	369916	04/28/25	04/28/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	**1,470**		umhos/cm	1.0		1	369920	04/28/25	04/28/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	369909	04/28/25	04/29/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	**2,200**		mg/L	20	9.8	5	370441	05/04/25	05/04/25	TDD

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1252528	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252528 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	04/28/25	04/29/25
Magnesium	ND		mg/L	0.10	0.025	04/28/25	04/29/25
Potassium	ND		mg/L	0.50	0.40	04/28/25	04/29/25
Sodium	ND		mg/L	0.50	0.35	04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252529	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	19.86	20.40	mg/L	97%		85-115
Magnesium	19.63	20.40	mg/L	96%		85-115
Potassium	22.48	24.00	mg/L	94%		85-115
Sodium	19.38	20.40	mg/L	95%		85-115

Type: Matrix Spike	Lab ID: QC1252530	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252530 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	67.59	47.70	20.40	mg/L	97%		75-125	1
Magnesium	54.29	34.45	20.40	mg/L	97%		75-125	1
Potassium	28.51	5.246	24.00	mg/L	97%		75-125	1
Sodium	72.68	53.48	20.40	mg/L	94%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1252531	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	67.80	47.70	20.40	mg/L	99%		75-125	0	20	1
Magnesium	54.68	34.45	20.40	mg/L	99%		75-125	1	20	1
Potassium	28.49	5.246	24.00	mg/L	97%		75-125	0	20	1
Sodium	73.01	53.48	20.40	mg/L	96%		75-125	0	20	1

Type: Serial Dilution	Lab ID: QC1252873	Batch: 369903
Matrix (Source ID): Water (531666-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252873 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	176.7	174.6	mg/L				5
Magnesium	30.66	29.93	mg/L				5
Potassium	6.879	7.248	mg/L				5
Sodium	83.73	83.55	mg/L				5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1252604	Batch: 369931
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252604 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.6	04/28/25	04/28/25
Manganese	ND		ug/L	10	4.3	04/28/25	04/28/25

Type: Lab Control Sample	Lab ID: QC1252605	Batch: 369931
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252605 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	93.34	100.0	ug/L	93%		85-115
Manganese	99.71	100.0	ug/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1252606	Batch: 369931
Matrix (Source ID): Water (531729-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	5,631	5625	100.0	ug/L	5%	E,NM	70-130	25
Manganese	2,570	2412	100.0	ug/L	159%	E,NM	70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1252607	Batch: 369931
Matrix (Source ID): Water (531729-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252607 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	5,801	5625	100.0	ug/L	176%	E,NM	70-130		20	25
Manganese	2,668	2412	100.0	ug/L	256%	E,NM	70-130		20	1

Type: Matrix Spike	Lab ID: QC1252608	Batch: 369931
Matrix (Source ID): Water (531776-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252608 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	333.7	63.97	100.0	ug/L	270%	*	70-130	25
Manganese	95.57	ND	100.0	ug/L	96%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1252609	Batch: 369931
Matrix (Source ID): Water (531776-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252609 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	206.6	63.97	100.0	ug/L	143%	*	70-130	47*	20	25
Manganese	93.84	ND	100.0	ug/L	94%		70-130	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1252247**	**Batch:**	**369831**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1252247 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	04/26/25 18:00	04/26/25 18:16
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	04/26/25 18:00	04/26/25 18:16
Sulfate	ND		mg/L	1.0	0.18	04/26/25 18:00	04/26/25 18:16

Type:	**Lab Control Sample**	**Lab ID:**	**QC1252248**	**Batch:**	**369831**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1252248 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	4.439	4.567	mg/L	97%		90-110
Nitrogen, Nitrate	4.322	4.518	mg/L	96%		90-110
Sulfate	24.38	25.00	mg/L	98%		90-110

Type:	**Blank**	**Lab ID:**	**QC1254608**	**Batch:**	**370505**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1254608 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	05/05/25 18:00	05/05/25 18:21
Bromide	ND		mg/L	0.30	0.060	05/05/25 18:00	05/05/25 18:21
Sulfate	ND		mg/L	1.0	0.18	05/05/25 18:00	05/05/25 18:21

Type:	**Lab Control Sample**	**Lab ID:**	**QC1254609**	**Batch:**	**370505**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1254609 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.122	10.00	mg/L	91%		90-110
Bromide	15.32	15.00	mg/L	102%		90-110
Sulfate	25.15	25.00	mg/L	101%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1254632**	**Batch:**	**370505**
Matrix (Source ID):	**Water (532353-005)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1254632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.38	0.6905	20.00	mg/L	98%		80-120	1
Bromide	15.82	1.538	15.00	mg/L	95%		80-120	1
Sulfate	520.8	624.2	50.00	mg/L	-207%	E,NM	80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1254633**	**Batch:**	**370505**
Matrix (Source ID):	**Water (532353-005)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1254633 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.33	0.6905	20.00	mg/L	98%		80-120	0	20	1
Bromide	18.03	1.538	15.00	mg/L	110%		80-120	13	20	1
Sulfate	520.8	624.2	50.00	mg/L	-207%	E,NM	80-120		20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1253598**	**Batch:**	**370234**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1253598 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.99	50.00	ug/L	94%		70-135
MTBE	49.17	50.00	ug/L	98%		70-130
Benzene	47.70	50.00	ug/L	95%		70-130
Trichloroethene	40.72	50.00	ug/L	81%		70-130
Toluene	42.48	50.00	ug/L	85%		70-130
Chlorobenzene	40.44	50.00	ug/L	81%		70-130
Surrogates						
Dibromofluoromethane	49.46	50.00	ug/L	99%		70-130
1,2-Dichloroethane-d4	57.43	50.00	ug/L	115%		70-130
Toluene-d8	47.32	50.00	ug/L	95%		70-130
Bromofluorobenzene	52.16	50.00	ug/L	104%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1253599**	**Batch:**	**370234**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1253599 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.97	50.00	ug/L	88%		70-135	7	30
MTBE	47.75	50.00	ug/L	95%		70-130	3	30
Benzene	45.54	50.00	ug/L	91%		70-130	5	30
Trichloroethene	38.90	50.00	ug/L	78%		70-130	5	30
Toluene	40.78	50.00	ug/L	82%		70-130	4	30
Chlorobenzene	38.89	50.00	ug/L	78%		70-130	4	30
Surrogates								
Dibromofluoromethane	49.09	50.00	ug/L	98%		70-130		
1,2-Dichloroethane-d4	56.60	50.00	ug/L	113%		70-130		
Toluene-d8	47.46	50.00	ug/L	95%		70-130		
Bromofluorobenzene	52.27	50.00	ug/L	105%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1253602**	**Batch:**	**370234**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1253602 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	05/01/25	05/01/25
Freon 12	ND		ug/L	5.0	0.3	05/01/25	05/01/25
Chloromethane	ND		ug/L	5.0	0.4	05/01/25	05/01/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromomethane	ND		ug/L	5.0	0.8	05/01/25	05/01/25
Chloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Acetone	ND		ug/L	100	17	05/01/25	05/01/25
Freon 113	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Methylene Chloride	ND		ug/L	5.0	3.5	05/01/25	05/01/25
MTBE	ND		ug/L	5.0	0.1	05/01/25	05/01/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
2-Butanone	ND		ug/L	100	2.0	05/01/25	05/01/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Chloroform	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Benzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Trichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromodichloromethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Dibromomethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	05/01/25	05/01/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Toluene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Tetrachloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Chlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
m,p-Xylenes	ND		ug/L	10	0.2	05/01/25	05/01/25
o-Xylene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Styrene	ND		ug/L	5.0	0.08	05/01/25	05/01/25
Bromoform	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Isopropylbenzene	ND		ug/L	5.0	0.09	05/01/25	05/01/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/01/25	05/01/25

ENTHALPY ANALYTICAL

Batch QC

QC1253602 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	05/01/25	05/01/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
n-Butylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	05/01/25	05/01/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Naphthalene	ND		ug/L	5.0	0.3	05/01/25	05/01/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Xylene (total)	ND		ug/L	5.0		05/01/25	05/01/25
Surrogates				**Limits**			
Dibromofluoromethane	100%		%REC	70-130		05/01/25	05/01/25
1,2-Dichloroethane-d4	119%		%REC	70-130		05/01/25	05/01/25
Toluene-d8	94%		%REC	70-130		05/01/25	05/01/25
Bromofluorobenzene	99%		%REC	70-130		05/01/25	05/01/25

Type: Matrix Spike **Lab ID:** QC1253606 **Batch:** 370234
Matrix (Source ID): Water (532059-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1253606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	14.05	ND	20.00	ug/L	70%		70-130	1
MTBE	15.97	ND	20.00	ug/L	80%		75-130	1
Benzene	14.31	ND	20.00	ug/L	72%		70-130	1
Trichloroethene	12.15	ND	20.00	ug/L	61%	*	63-130	1
Toluene	12.66	ND	20.00	ug/L	63%	*	70-130	1
Chlorobenzene	12.46	ND	20.00	ug/L	62%	*	70-130	1
Surrogates								
Dibromofluoromethane	49.44		50.00	ug/L	99%		70-130	1
1,2-Dichloroethane-d4	59.99		50.00	ug/L	120%		70-130	1
Toluene-d8	46.62		50.00	ug/L	93%		70-130	1
Bromofluorobenzene	50.68		50.00	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1253607	Batch:	370234
Matrix (Source ID):	Water (532059-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1253607 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	13.27	ND	20.00	ug/L	66%	*	70-130	6	30	1
MTBE	16.53	ND	20.00	ug/L	83%		75-130	3	30	1
Benzene	14.63	ND	20.00	ug/L	73%		70-130	2	30	1
Trichloroethene	12.49	ND	20.00	ug/L	62%	*	63-130	3	30	1
Toluene	13.36	ND	20.00	ug/L	67%	*	70-130	5	30	1
Chlorobenzene	12.73	ND	20.00	ug/L	64%	*	70-130	2	30	1
Surrogates										
Dibromofluoromethane	50.19		50.00	ug/L	100%		70-130			1
1,2-Dichloroethane-d4	60.46		50.00	ug/L	121%		70-130			1
Toluene-d8	46.54		50.00	ug/L	93%		70-130			1
Bromofluorobenzene	50.00		50.00	ug/L	100%		70-130			1

Type:	Blank	Lab ID:	QC1252866	Batch:	370011
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252866 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	04/29/25	04/30/25
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		04/29/25	04/30/25

Type:	Lab Control Sample	Lab ID:	QC1252867	Batch:	370011
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252867 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.892	10.00	ug/L	89%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.981	10.00	ug/L	100%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1252868	Batch:	370011
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3535

QC1252868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.732	10.00	ug/L	87%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.908	10.00	ug/L	99%		80-120		

Type:	Blank	Lab ID:	QC1253903	Batch:	370312
Matrix:	Water	Method:	SM 4500-S2-D	Prep Method:	METHOD

QC1253903 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		05/02/25	05/02/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1253904 **Batch:** 370312
Matrix: Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1253904 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC1253905 **Batch:** 370312
Matrix (Source ID): Water (531773-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1253905 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1253906 **Batch:** 370312
Matrix (Source ID): Water (531773-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

QC1253906 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank **Lab ID:** QC1252745 **Batch:** 369964
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252745 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	04/29/25	04/29/25

Type: Lab Control Sample **Lab ID:** QC1252746 **Batch:** 369964
Matrix: Water **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252746 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.13	25.00	mg/L	97%		85-115

Type: Matrix Spike **Lab ID:** QC1252747 **Batch:** 369964
Matrix (Source ID): Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252747 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	52.84	24.94	25.00	mg/L	112%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1252748 **Batch:** 369964
Matrix (Source ID): Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

QC1252748 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	52.08	24.94	25.00	mg/L	109%		75-125	1	25	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1252237	Batch:	369829
Matrix (Source ID):	Water (531819-002)	Method:	SM2130B		

QC1252237 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	29,750	32650	NTU		9	20	50

Type:	Blank	Lab ID:	QC1252539	Batch:	369916
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1252539 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		04/28/25	04/28/25
Alkalinity, Total as CaCO3	ND		mg/L	2.0		04/28/25	04/28/25

Type:	Lab Control Sample	Lab ID:	QC1252540	Batch:	369916
Matrix:	Water	Method:	SM2320B	Prep Method:	METHOD

QC1252540 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	1,008	1000	mg/L	101%		90-110

Type:	Sample Duplicate	Lab ID:	QC1252541	Batch:	369916
Matrix (Source ID):	Water (531741-004)	Method:	SM2320B	Prep Method:	METHOD

QC1252541 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	248.5	253.3	mg/L		2	20	2.5
Alkalinity, Total as CaCO3	203.7	207.6	mg/L		2	20	2.5

Type:	Sample Duplicate	Lab ID:	QC1252558	Batch:	369920
Matrix (Source ID):	Water (531713-001)	Method:	SM2510B	Prep Method:	METHOD

QC1252558 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	1,609	1611	umhos/cm		0	20	1

Type:	Sample Duplicate	Lab ID:	QC1252563	Batch:	369920
Matrix (Source ID):	Water (531819-002)	Method:	SM2510B	Prep Method:	METHOD

QC1252563 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	1,482	1474	umhos/cm		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1253328	Batch:	370152
Matrix (Source ID):	Water (531657-001)	Method:	SM2510B	Prep Method:	METHOD

QC1253328 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	66,690	66460	umhos/cm		0	20	1

Type:	Sample Duplicate	Lab ID:	QC1253337	Batch:	370152
Matrix (Source ID):	Water (531657-002)	Method:	SM2510B	Prep Method:	METHOD

QC1253337 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	77,000	77380	umhos/cm		0	20	1

Type:	Blank	Lab ID:	QC1252508	Batch:	369909
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1252508 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/28/25	04/29/25

Type:	Lab Control Sample	Lab ID:	QC1252509	Batch:	369909
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1252509 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	966.0	1000	mg/L	97%		90-110

Type:	Sample Duplicate	Lab ID:	QC1252510	Batch:	369909
Matrix (Source ID):	Water (531754-001)	Method:	SM2540C	Prep Method:	METHOD

QC1252510 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,344	1284	mg/L		5	5	2

Type:	Sample Duplicate	Lab ID:	QC1252535	Batch:	369909
Matrix (Source ID):	Water (531761-011)	Method:	SM2540C	Prep Method:	METHOD

QC1252535 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,602	1574	mg/L		2	5	2

Type:	Blank	Lab ID:	QC1252600	Batch:	369929
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1252600 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/28/25	04/29/25

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1252601	Batch: 369929
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1252601 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,040	1000	mg/L	104%		90-110

Type: Sample Duplicate	Lab ID: QC1252602	Batch: 369929
Matrix (Source ID): Water (531819-001)	Method: SM2540C	Prep Method: METHOD

QC1252602 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	410.0	404.0	mg/L		1	5	2

Type: Blank	Lab ID: QC1254380	Batch: 370441
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1254380 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/04/25	05/04/25

Type: Lab Control Sample	Lab ID: QC1254381	Batch: 370441
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1254381 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	983.0	1000	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC1254382	Batch: 370441
Matrix (Source ID): Water (532203-001)	Method: SM5220D	Prep Method: METHOD

QC1254382 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,050	89.00	1000	mg/L	96%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1254383	Batch: 370441
Matrix (Source ID): Water (532203-001)	Method: SM5220D	Prep Method: METHOD

QC1254383 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,058	89.00	1000	mg/L	97%		75-125	1	20	2

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

Laboratory Job Number 531819

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2504M22

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 079649
Project: EO-531819

Project Location:
Project Received: 04/29/2025

Analytical Report reviewed & approved for release on 05/02/2025 by:

Yen Cao

Yen Cao
Project Manager

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McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M22

Project: EO-531819

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2504M22

Project: EO-531819

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M22
Date Received:	04/29/2025 11:04	**Extraction Method:**	RSK175
Date Prepared:	04/30/2025	**Analytical Method:**	RSK175
Project:	EO-531819	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN WEST INLET	2504M22-001A	Water	04/26/2025 09:15	GC26 0430250916.D	316493

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**1100**	50	50	1	04/30/2025 15:24

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN EAST INLET	2504M22-002A	Water	04/26/2025 09:45	GC26 0430250920.D	316493

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	**860**	50	50	1	04/30/2025 17:03

Analyst(s): CLO

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2504M22
Date Prepared:	04/30/2025	**BatchID:**	316493
Date Analyzed:	04/30/2025	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-531819	**Sample ID:**	MB/LCS/LCSD-316493

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	130	187.2	73	71	70-130	2.39	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2504M22 **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531819

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: **04/29/2025**
Date Logged: **04/29/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504M22-001	SOUTH BASIN WEST INLET	Water	4/26/2025 09:15	☐	A	A										
2504M22-002	SOUTH BASIN EAST INLET	Water	4/26/2025 09:45	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Zach Barker
Contact's Email: zach.barker@enthalpy.com

Project: EO-531819
Comments:

Work Order: 2504M22
QC Level: LEVEL 2
Date Logged: 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN WEST INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/26/2025 9:15	5 days	5/6/2025	Present	☐	☐
002A	SOUTH BASIN EAST INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/26/2025 9:45	5 days	5/6/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2504M22

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531819
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Hold Time RUSH - collected 4/24/25
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

HOLD TIME RUSH

Notes:
Chiquita Canyon Landfill - Hold Time RUSH - collected 4/24/25

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	26-APR-2025 09:15	531819-001	2	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25
SOUTH BASIN EAST INLET	26-APR-2025 09:45	531819-002	2	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25

Notes:	Relinquished By:	Received By:
	A. Watson EX-ORA	
	Date: 04/28/25 1438	Date: 4/29/25 1104
	Date:	Date:
	Date:	Date:

2.7 Wet IR45

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Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531819

Date and Time Received: 4/29/2025 11:04
Date Logged: 4/29/2025
Received by: Carolina Garcia
Logged by: Carolina Garcia

WorkOrder №: 2504M22 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.7°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

APPENDIX H

STANDARD OBSERVATIONS

4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

15 Jan 2025 / John Boucher

Complete

Score	1 / 1 (100%)	Flagged items	0	Actions	0

Site conducted	4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F
Conducted on	15 Jan 2025 1:59 PM PST
Inspector Name	John Boucher
Inspector Title	Operations specialist
Weather Conditions	Sunny

Untitled Page	
East Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
South Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
All Operations	
Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?	Yes
Are paved areas of the facility vacuum swept weekly?	Yes
Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?	Yes
Erosion and Sediment	
Is stormwater properly diverted around active fill area and soil stockpile?	Yes
Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?	Yes
Are sediment and retention basins properly maintained?	Yes
Are slope protection measures applied?	Yes
Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?	Yes
Recycling Storage	
Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?	Yes
Trash Disposal	
Do all garbage containers in use have a lid closed or tarp placed?	Yes

E-waste Storage Area	
Is all E-waste under cover?	N/A
Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?	N/A
Household Hazardous Waste Collection	
Are all Household Hazardous Waste materials under cover?	Yes
Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?	Yes
Do any storage containers display evidence of leakage?	No
Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Temporary Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Spill Response Kits	
Are any spill kits missing or relocated from the maintenance shop?	No
Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)	No
Tracking Industrial Vehicle Entry/Exit Points	
Any off-site tracking of sediment or dirt?	No
Geomembrane Cover and North and West perimeter Road	

Is stormwater properly diverted around reaction area?	Yes
Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?	No
Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?	Yes
Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?	No
Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?	No

Bulk Fuel and Oil Tanks	
Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable?	
Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube truck	OK
Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling?	

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline- Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK

AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

Provide brief explanation

Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

John Boucher
15 Jan 2025 2:47 PM PST

Check this box to notify Authorized Representative that inspection is completed and awaiting signature. ☑

Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"

Nicole Ward
19 Jun 2025 10:50 AM PDT

4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

27 Feb 2025 / John Boucher

Complete

Score	1 / 1 (100%)	Flagged items	0	Actions	0

Site conducted	4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F
Conducted on	27 Feb 2025 2:01 PM PST
Inspector Name	John Boucher
Inspector Title	Operations specialist
Weather Conditions	Partly cloudy

Untitled Page	
East Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
South Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
All Operations	
Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?	Yes
Are paved areas of the facility vacuum swept weekly?	Yes
Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?	Yes
Erosion and Sediment	
Is stormwater properly diverted around active fill area and soil stockpile?	Yes
Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?	Yes
Are sediment and retention basins properly maintained?	Yes
Are slope protection measures applied?	Yes
Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?	Yes
Recycling Storage	
Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?	Yes
Trash Disposal	
Do all garbage containers in use have a lid closed or tarp placed?	Yes

E-waste Storage Area	
Is all E-waste under cover?	N/A
Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?	N/A
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Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Spill Response Kits	
Are any spill kits missing or relocated from the maintenance shop?	No
Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)	No
Tracking Industrial Vehicle Entry/Exit Points	
Any off-site tracking of sediment or dirt?	No
Geomembrane Cover and North and West perimeter Road	

Is stormwater properly diverted around reaction area?	Yes
Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?	No
Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?	Yes
Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?	No
Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?	No

Bulk Fuel and Oil Tanks	
Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable?	
Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube truck	OK
Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling?	

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
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AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
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MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	Needs Attention

Possible slight leak from valve. Will be checked

AST 3: 500 gal Engine/Hydraulic Oil	Needs Attention
Possible slight leak from valve. Will be checked	
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

Provide brief explanation

Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

John Boucher
27 Feb 2025 3:03 PM PST

Check this box to notify Authorized Representative that inspection is completed and awaiting signature. ☑

Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"

4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

19 Mar 2025 / John Boucher

Complete

Score	1 / 1 (100%)	Flagged items	0	Actions	0

Site conducted	4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F
Conducted on	19 Mar 2025 1:39 PM PDT
Inspector Name	John Boucher
Inspector Title	Operations specialist
Weather Conditions	Sunny

Untitled Page	
East Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
South Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
All Operations	
Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?	Yes
Are paved areas of the facility vacuum swept weekly?	Yes
Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?	Yes
Erosion and Sediment	
Is stormwater properly diverted around active fill area and soil stockpile?	Yes
Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?	Yes
Are sediment and retention basins properly maintained?	Yes
Are slope protection measures applied?	Yes
Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?	Yes
Recycling Storage	
Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?	Yes
Trash Disposal	
Do all garbage containers in use have a lid closed or tarp placed?	Yes

E-waste Storage Area	
Is all E-waste under cover?	N/A
Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?	Yes
Household Hazardous Waste Collection	
Are all Household Hazardous Waste materials under cover?	Yes
Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?	Yes
Do any storage containers display evidence of leakage?	No
Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Temporary Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Spill Response Kits	
Are any spill kits missing or relocated from the maintenance shop?	No
Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)	No
Tracking Industrial Vehicle Entry/Exit Points	
Any off-site tracking of sediment or dirt?	No
Geomembrane Cover and North and West perimeter Road	

Is stormwater properly diverted around reaction area?	Yes
Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?	No
Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?	Yes
Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?	No
Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?	No

Bulk Fuel and Oil Tanks	
Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable?	
Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube truck	OK
Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling?	

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline- Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK

AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

Provide brief explanation

Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

John Boucher
19 Mar 2025 1:45 PM PDT

Check this box to notify Authorized Representative that inspection is completed and awaiting signature. ☑

Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"

Nicole Ward
19 Jun 2025 10:47 AM PDT

4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

16 Apr 2025 / John Boucher

Complete

Score	1 / 1 (100%)	Flagged items	0	Actions	0

Site conducted	4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F
Conducted on	16 Apr 2025 2:12 PM PDT
Inspector Name	John Boucher
Inspector Title	Operations specialist
Weather Conditions	Cloudy

Untitled Page	
East Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
South Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
All Operations	
Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?	Yes
Are paved areas of the facility vacuum swept weekly?	Yes
Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?	Yes
Erosion and Sediment	
Is stormwater properly diverted around active fill area and soil stockpile?	Yes
Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?	Yes
Are sediment and retention basins properly maintained?	Yes
Are slope protection measures applied?	Yes
Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?	Yes
Recycling Storage	
Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?	Yes
Trash Disposal	
Do all garbage containers in use have a lid closed or tarp placed?	Yes

E-waste Storage Area	
Is all E-waste under cover?	N/A
Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?	N/A
Household Hazardous Waste Collection	
Are all Household Hazardous Waste materials under cover?	Yes
Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?	Yes
Do any storage containers display evidence of leakage?	No
Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Temporary Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Spill Response Kits	
Are any spill kits missing or relocated from the maintenance shop?	No
Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)	No
Tracking Industrial Vehicle Entry/Exit Points	
Any off-site tracking of sediment or dirt?	No
Geomembrane Cover and North and West perimeter Road	

Is stormwater properly diverted around reaction area?	Yes
Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?	No
Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?	Yes
Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?	No
Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?	No

Bulk Fuel and Oil Tanks	
Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable?	
Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube truck	OK
Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling?	

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline- Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK

AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

Provide brief explanation

Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

John Boucher
16 Apr 2025 3:22 PM PDT

Check this box to notify Authorized Representative that inspection is completed and awaiting signature. ☑

Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"

Nicole Ward
19 Jun 2025 10:47 AM PDT

4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

14 May 2025 / John Boucher

Complete

Score	1 / 1 (100%)	Flagged items	0	Actions	0

Site conducted	4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F
Conducted on	14 May 2025 2:38 PM PDT
Inspector Name	John Boucher
Inspector Title	Operations specialist
Weather Conditions	Sunny

Untitled Page	
East Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
South Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
All Operations	
Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?	Yes
Are paved areas of the facility vacuum swept weekly?	Yes
Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?	Yes
Erosion and Sediment	
Is stormwater properly diverted around active fill area and soil stockpile?	Yes
Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?	Yes
Are sediment and retention basins properly maintained?	Yes
Are slope protection measures applied?	Yes
Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?	Yes
Recycling Storage	
Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?	Yes
Trash Disposal	
Do all garbage containers in use have a lid closed or tarp placed?	Yes

E-waste Storage Area	
Is all E-waste under cover?	N/A
Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?	N/A
Household Hazardous Waste Collection	
Are all Household Hazardous Waste materials under cover?	Yes
Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?	Yes
Do any storage containers display evidence of leakage?	No
Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Temporary Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Spill Response Kits	
Are any spill kits missing or relocated from the maintenance shop?	No
Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)	No
Tracking Industrial Vehicle Entry/Exit Points	
Any off-site tracking of sediment or dirt?	No
Geomembrane Cover and North and West perimeter Road	

Is stormwater properly diverted around reaction area?	Yes
Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?	No
Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?	Yes
Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?	No
Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?	No

Bulk Fuel and Oil Tanks	
Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable?	
Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube truck	OK
Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling?	

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline- Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	Needs Attention

Will be addressed with maintenance manager

AST 3: 500 gal Engine/Hydraulic Oil Will be addressed with maintenance manager	Needs Attention
AST 4: 300 gal Drive Train Fluid Will be addressed with maintenance manager	Needs Attention
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

Provide brief explanation

Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

John Boucher
15 May 2025 7:56 AM PDT

Check this box to notify Authorized Representative that inspection is completed and awaiting signature. ☑

Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"

Nicole Ward
19 Jun 2025 10:46 AM PDT

4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

25 Jun 2025 / John Boucher

Complete

Score	1 / 1 (100%)	Flagged items	0	Actions	0

Site conducted	4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F
Conducted on	25 Jun 2025 1:38 PM PDT
Inspector Name	John Boucher
Inspector Title	Operations specialist
Weather Conditions	Sunny

Untitled Page	
East Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
South Sampling	
Unauthorized nonstormwater discharges? (Yes or No)	No
Authorized nonstormwater discharges? (Yes or No)	No
All Operations	
Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?	Yes
Are paved areas of the facility vacuum swept weekly?	Yes
Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?	Yes
Erosion and Sediment	
Is stormwater properly diverted around active fill area and soil stockpile?	Yes
Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?	Yes
Are sediment and retention basins properly maintained?	Yes
Are slope protection measures applied?	Yes
Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?	Yes
Recycling Storage	
Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?	Yes
Trash Disposal	
Do all garbage containers in use have a lid closed or tarp placed?	Yes

E-waste Storage Area	
Is all E-waste under cover?	N/A
Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?	N/A
Household Hazardous Waste Collection	
Are all Household Hazardous Waste materials under cover?	Yes
Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?	Yes
Do any storage containers display evidence of leakage?	No
Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Temporary Leachate & Condensate Collection, Storage, & Conveyance	
Are tanks provided with secondary containment?	Yes
Is secondary containment area/berms free of debris?	Yes
Are there any visible spills or leaks?	No
Spill Response Kits	
Are any spill kits missing or relocated from the maintenance shop?	No
Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)	No
Tracking Industrial Vehicle Entry/Exit Points	
Any off-site tracking of sediment or dirt?	No
Geomembrane Cover and North and West perimeter Road	

Is stormwater properly diverted around reaction area?	Yes
Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?	No
Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?	Yes
Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?	No
Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?	No

Bulk Fuel and Oil Tanks	
Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable?	
Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube truck	OK
Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling?	

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK
AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline- Flatbed truck	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

Diesel Fuel 8,000 gal	OK
AST 1: 750 gal Used Oil	OK
AST 2: 500 gal Transmission Oil	OK
AST 3: 500 gal Engine/Hydraulic Oil	OK

AST 4: 300 gal Drive Train Fluid	OK
AST 5: 200 gal Used Antifreeze	OK
Drums within bermed containment area north of equipment maintenance facility building	OK
MS-1: 100 gal Gasoline	OK
MS-3: 300 gallon DEF	OK
MR-1: 1,750 gal Diesel	OK
MR-3: 200 gal Engine/Hydraulic Oil	OK
MR-4: 100 gal 30W Oil	OK
MR-5: 100 gal 50W Oil	OK
MR-6: 200 gal Transmission/Hydraulic Oil	OK
MR-8: 55 gal Grease- Lube Truck	OK

Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

Provide brief explanation

Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

John Boucher
25 Jun 2025 1:44 PM PDT

Check this box to notify Authorized Representative that inspection is completed and awaiting signature. ☑

Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"

Amanda Froman
3 Jul 2025 11:13 AM PDT

APPENDIX I

WASTE DISPOSAL REPORTS

CHIQUITA CANYON
a Waste Connections company

April 15, 2025

Mr. Enrique Casas
California Regional Water Quality Control Board
320 West 4th Street
Los Angeles, California 90013

Subject: **First Quarter 2025 Solid Waste Disposal Report**
Chiquita Canyon Landfill (File No. 67-20)
Los Angeles County, California

Dear Mr. Casas:

This is the First Quarter 2025 Solid Waste Disposal Report for the Chiquita Canyon Landfill. This report is required by Monitoring and Reporting Program No. CI-6231 dated December 13, 2018, and Waste Discharge Requirements Order No. R4-2018-0172 File No. 67-020 adopted December 13, 2018. This report covers the period from January-March 2025.

A point-by-point discussion of reporting requirements follows:

1. The reports to the Regional Board shall include a map of the site, and shall indicate the area(s) where disposal is taking place or will begin. This map shall be updated quarterly and summarized and submitted with the annual report due February 15 of each year. If a new area is landfilled, it shall be identified in the corresponding quarterly report.

As the Water Board is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste. Enclosed, as Attachment 1 is a drawing showing the locations where CCL disposed of the internally generated waste during the First Quarter 2025.

2. A tabular list of the estimated average monthly quantities and types of materials deposited each month.

As discussed above, the Landfill is now closed to the acceptance of waste.

3. An estimate of remaining capacity (in cubic yards and tons), and the remaining life of the site in years and months.

As discussed above, the Landfill is now closed to the acceptance of waste.

4. A certification that all wastes deposited were deposited in compliance with the Board's requirements, and that no waste was deposited outside the boundaries of the waste management facility as specified in the Board requirements.

During the reporting period, the site was operated in compliance with the Board's requirements and no wastes were deposited outside the boundary of the waste management unit.

5. A description of the location and an estimate of the seepage rate or flow of all known seeps and springs at the site.

No water seeps or springs were discovered during visual monitoring of the landfill conducted in January, February and March 2025.

6. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control, etc. (If a source other than potable waste is used, the sources and amounts of water from each source shall also be reported).

During the reporting period, approximately 2,241,834 gallons of water were used for dust control, irrigation, and site operation construction. Water was obtained from Newhall Land and Farming Company from an irrigation line located south of the site near Highway 126.

7. Quantities of liquid pumped from the leachate monitoring sumps and/or extraction wells, including dates of removal, and the ultimate disposition (dust control, returned to landfill, disposal). If no liquid was detected or pumped during the reporting period, a statement to that effect shall be submitted.

Information on quantities of leachate pumped and disposed during the reporting period is enclosed as Attachment 3.

8. The discharger shall report all unacceptable (to this site) wastes inadvertently received at this site and their disposition. The following details shall be included:

a. **The source (if known), including the hauler, of the unacceptable wastes and date received and/or discovered.**
b. **Identification of waste (if known) and the amount of waste.**
c. **The name and address of the hauler who removed the waste from the site.**
d. **The ultimate point of disposal for the waste.**
e. **The discharger's actions to prevent recurrence of the attempted depositing of unacceptable wastes by this source or individual (if applicable). If no unacceptable wastes were received (or discovered) during the month, the report shall so state.**

As discussed above, the Landfill is now closed to the acceptance of waste. Only a small amount of internally generated waste is disposed of at the Landfill, which does not include any unacceptable waste. All internal waste is checked before disposal.

If you should have any questions regarding this report, please do not hesitate to contact me at (661) 257-3655.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on the 15th day of April, 2025.

Please do not hesitate to contact me at with any questions regarding the above responses.

Sincerely,

CHIQUITA CANYON LANDFILL

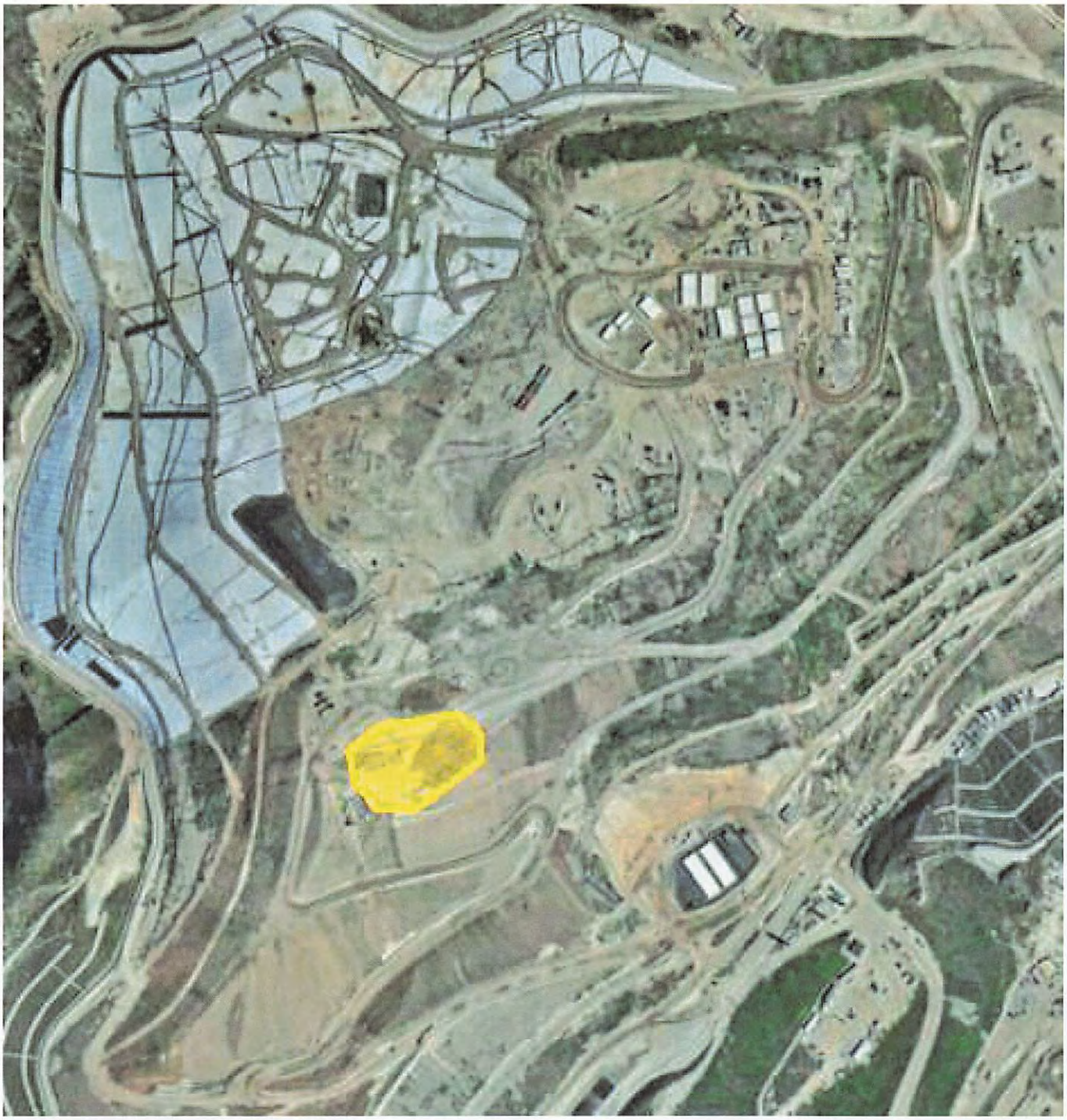
Steve Cassulo
District Manager

Chiquita Canyon Landfill

Attachments: Attachment 1 – Disposal Area Plan
Attachment 2 – Tonnage / Load Reports
Attachment 3 – Leachate Disposal

Attachment 1

Disposal Area Plan



Attachment 2

Tonnage / Load Reports

CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR January 2025

DATE		Inbound Material																										Total Daily Inbound	
		Disposal											Diversion													Soil					
		Transfer Trailer Waste	Lds	Residential	Lds	Commercial	Lds	General Public	Lds	Trash Total	Lds	Weekly	Shredded Green Waste → Erosion Control	Lds	MRF Fines → Protective Cover	Lds	Shredded Green Waste → ADC	Lds	TASW→ ADC	Lds	Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control	Lds	C&D	Lds	Total, tons	Total, loads	Contaminated Soil→Various Uses	Lds	Clean Soil→Various Uses	Lds	Tons	Loads
	SUN									-	0														-	-					-	0
	MON									-	0														-	-					-	0
	TUE									-	0														-	-					-	0
1/1/2025	WED									-	0														-	-					-	0
1/2/2025	THU									-	0														-	-					-	0
1/3/2025	FRI									-	0														-	-					-	0
1/4/2025	SAT									-	0	0													-	-					-	0
1/5/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
1/6/2025	MON									-	0														-	-					-	0
1/7/2025	TUE									-	0														-	-					-	0
1/8/2025	WED									-	0														-	-					-	0
1/9/2025	THU									-	0														-	-					-	0
1/10/2025	FRI									-	0														-	-					-	0
1/11/2025	SAT									-	0	0													-	-					-	0
1/12/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
1/13/2025	MON									-	0														-	-					-	0
1/14/2025	TUE					22.82	3			22.82	3														-	-					22.82	3
1/15/2025	WED					37.34	4			37.34	4														-	-					37.34	4
1/16/2025	THU					11.24	2			11.24	2														-	-					11.24	2
1/17/2025	FRI					0.66	1			0.66	1														-	-					0.66	1
1/18/2025	SAT									-	0	72													-	-					-	0
1/19/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
1/20/2025	MON					9.60	2			9.60	2														-	-					9.60	2
1/21/2025	TUE									-	0														-	-					-	0
1/22/2025	WED					0.56	1			0.56	1														-	-					0.56	1
1/23/2025	THU									-	0														-	-					-	0
1/24/2025	FRI									-	0														-	-					-	0
1/25/2025	SAT									-	0	10													-	-					-	0
1/26/2025	SUN									~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
1/27/2025	MON									-	0														-	-					-	0
1/28/2025	TUE					12.93	1			12.93	1														-	-					12.93	1
1/29/2025	WED									-	0														-	-					-	0
1/30/2025	THU									-	0														-	-					-	0
1/31/2025	FRI					12.05	2			12.05	2														-	-					12.05	2
	SAT									-	0	25													-	-					-	0
	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
	MON									-	0	0													-	-					-	0
TOTAL		-	-	-	-	107.20	16	-	-	107.20	16		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107.20	16

Monthly Totals

Water Used for Dust Control & Irrigation, gallons	**957,474**
Disposal, tons	**107**
Diversion, tons	**-**
Soils, tons	**-**
Total	**107**

CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR February 2025

DATE		Inbound Material																										Total Daily Inbound	
		Disposal											Diversion													Soil					
		Transfer Trailer Waste	Lds	Residential	Lds	Commercial	Lds	General Public	Lds	Trash Total	Lds	Weekly	Shredded Green Waste → Erosion Control	Lds	MRF Fines → Protective Cover	Lds	Shredded Green Waste → ADC	Lds	TASW→ ADC	Lds	Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control	Lds	C&D	Lds	Total, tons	Total, loads	Contaminated Soil→Various Uses	Lds	Clean Soil→Various Uses	Lds	Tons	Loads
	SUN									-	0														-	-					-	0
	MON									-	0														-	-					-	0
	TUE									-	0														-	-					-	0
	WED									-	0														-	-					-	0
	THU									-	0														-	-					-	0
	FRI									-	0														-	-					-	0
2/1/2025	SAT					21.35				21.35	0	21													-	-					21.35	0
2/2/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
2/3/2025	MON					41.23				41.23	0														-	-					41.23	0
2/4/2025	TUE					23.17				23.17	0														-	-					23.17	0
2/5/2025	WED					42.89				42.89	0														-	-					42.89	0
2/6/2025	THU					23.35				23.35	0														-	-					23.35	0
2/7/2025	FRI									-	0														-	-					-	0
2/8/2025	SAT					1.39				1.39	0	132													-	-					1.39	0
2/9/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
2/10/2025	MON									-	0														-	-					-	0
2/11/2025	TUE					52.87				52.87	0														-	-					52.87	0
2/12/2025	WED					8.15				8.15	0														-	-					8.15	0
2/13/2025	THU									-	0														-	-					-	0
2/14/2025	FRI									-	0														-	-					-	0
2/15/2025	SAT									-	0	61													-	-					-	0
2/16/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
2/17/2025	MON					21.13				21.13	0														-	-					21.13	0
2/18/2025	TUE					11.02				11.02	0														-	-					11.02	0
2/19/2025	WED									-	0														-	-					-	0
2/20/2025	THU					9.29				9.29	0														-	-					9.29	0
2/21/2025	FRI									-	0														-	-					-	0
2/22/2025	SAT									-	0	41													-	-					-	0
2/23/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
2/24/2025	MON					1.36				1.36	0														-	-					1.36	0
2/25/2025	TUE					22.09				22.09	0														-	-					22.09	0
2/26/2025	WED					53.10				53.10	0														-	-					53.10	0
2/27/2025	THU									-	0														-	-					-	0
2/28/2025	FRI					3.19				3.19	0														-	-					3.19	0
	SAT									-	0	80													-	-					-	0
	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
	MON									-	0	0													-	-					-	0
TOTAL		-	-	-	-	335.58	-	-	-	335.58	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	335.58	-

Monthly Totals

Water Used for Dust Control & Irrigation, gallons	**718,200**
Disposal, tons	**336**
Diversion, tons	**-**
Soils, tons	**-**
Total	**336**

CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR March 2025

DATE		Inbound Material																										Total Daily Inbound	
		Disposal											Diversion													Soil					
		Transfer Trailer Waste	Lds	Residential	Lds	Commercial	Lds	General Public	Lds	Trash Total	Lds	Weekly	Shredded Green Waste → Erosion Control	Lds	MRF Fines → Protective Cover	Lds	Shredded Green Waste → ADC	Lds	TASW→ ADC	Lds	Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control	Lds	C&D	Lds	Total, tons	Total, loads	Contaminated Soil→Various Uses	Lds	Clean Soil→Various Uses	Lds	Tons	Loads
	SUN									-	0														-	-					-	0
	MON									-	0														-	-					-	0
	TUE									-	0														-	-					-	0
	WED									-	0														-	-					-	0
	THU									-	0														-	-					-	0
	FRI									-	0														-	-					-	0
3/1/2025	SAT					33.17				33.17	0	33													-	-					33.17	0
3/2/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
3/3/2025	MON									-	0														-	-					-	0
3/4/2025	TUE									-	0														-	-					-	0
3/5/2025	WED									-	0														-	-					-	0
3/6/2025	THU									-	0														-	-					-	0
3/7/2025	FRI									-	0														-	-					-	0
3/8/2025	SAT									-	0	0													-	-					-	0
3/9/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
3/10/2025	MON					45.90				45.90	0														-	-					45.90	0
3/11/2025	TUE					3.00				3.00	0														-	-					3.00	0
3/12/2025	WED									-	0														-	-					-	0
3/13/2025	THU									-	0														-	-					-	0
3/14/2025	FRI					14.23				14.23	0														-	-					14.23	0
3/15/2025	SAT									-	0	63													-	-					-	0
3/16/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
3/17/2025	MON									-	0														-	-					-	0
3/18/2025	TUE					2.61				2.61	0														-	-					2.61	0
3/19/2025	WED									-	0														-	-					-	0
3/20/2025	THU									-	0														-	-					-	0
3/21/2025	FRI					52.96				52.96	0														-	-					52.96	0
3/22/2025	SAT									-	0	56													-	-					-	0
3/23/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
3/24/2025	MON					4.28				4.28	0														-	-					4.28	0
3/25/2025	TUE									-	0														-	-					-	0
3/26/2025	WED					3.65				3.65	0														-	-					3.65	0
3/27/2025	THU					32.03				32.03	0														-	-					32.03	0
3/28/2025	FRI									-	0														-	-					-	0
3/29/2025	SAT									-	0	40													-	-					-	0
3/30/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
3/31/2025	MON									-	0	0													-	-					-	0
TOTAL		-	-	-	-	191.83	-	-	-	191.83	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191.83	-

Monthly Totals

Water Used for Dust Control & Irrigation, gallons	**566,160**
Disposal, tons	**192**
Diversion, tons	**-**
Soils, tons	**-**
Total	**192**

Attachment 3

Leachate Disposal

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
January 2025			
January 1, 2025	62,899		CCL003836-A,CCL003835-A,CCL003834-A,CCL003833-A,CCL003580-M,CCL003832-A,RAD-198654,CCL003581-M,CCL003831-A,RAD-198656,RAD-198655,CCL003830-A,
January 2, 2025	344,474		017790912FLE,017790914FLE,017790916FLE,020399080FLE,020268689FLE,020268688FLE,020399079FLE,020398976FLE,CCL003853-A,CCL003852-A,CCL003851-A,CCL003850-A,CCL003849-A,RAD-198680,CCL003848-A,CCLL003847-A,RAD-198679,CCL003846-A,RAD-198678,RAD-198677,CCL003885-A,CCL003845-A,CCL003844-A,CCL003875-A,CCL003843-A,RAD-198601,CCL003870-A,CCL003876-A,RAD-198659,CCL003878-A,CCL003842-A,CCL003841-A,CCL003864-A,CCL003865-A,CCL003866-A,CCL003867-A,RAD-198650,RAD-198641,CCL003868-A,RAD-198643,CCL003871-A,CCL003877-A,CCL003874-A,RAD-198649,CCL003826-A,RAD-198653,CCL003879-A,RAD-198652,CCL003881-A,CCL003882-A,CCL003884-A,CCL003883-A,CCL003888-A,CCL003886-A,CCL003889-A,CCL003890-A,CCL003582-M,CCL003891-A,CCL003840-A,CCL003839-A,CCL003838-A,CCL003837-
January 3, 2025	261,307		RAD-198672,RAD-198694,RAD-198674,RAD-198673,RAD-198681,RAD-198675,RAD-198685,CCL003859-A,RAD-198682,CCL003800-A,CCL003774-A,RAD-198683,RAD-198676,CCL003815-A,020268690FLE,020268691FLE,CCL003812-A,CCL003861-A,CCL003856-A,CCL003814-A,CCL003818-A,CCL003892-A,CCL003807-A,CCL003816-A,CCL003813-A,020398978FLE,CCL003857-A,CCL003862-A,017790914FLE,CCL003860-A,017790915FLE,CCL003893-A,CCL003858-A,CCL003585-M,CCL003811-A,CCL003817-A,CCL003802-A,CCL003810-A,CCL003801-A,CCL003808-A,CCL003903-A,CCL003775-A,017790913FLE,CCL003894-A,CCL003855-A,CCL003854-A,020398977FLE,CCL003809-A,
January 4, 2025	97,516		RAD-198712,CCL003917-A,CCL003898-A,CCL003900-A,CCL003919-A,RAD-198684,CCL003899-A,CCL003901-A,CCL003902-A,CCL001010-M,CCL003799-A,CCL003798-A,CCL003896-A,CCL003897-A,CCL003895-A,CCL003791-A,CCL003790-A,CCL003586-M
January 5, 2025	73,708		D647906,RAD-198689,CCL003792-A,RAD-198690,CCL003588-M,RAD-198718,CCL003796-A,CCL003916-A,CCL003590-M,CCL003918-A,CCL003793-A,CCL003794-A,CCL003797-A,CCL003589-M,
January 6, 2025	348,942		RAD-198715,RAD-198716,RAD-198714,RAD-198691,CCL003594-A,RAD-198709,RAD-198710,CCL003785-A,CCL003779-A,RAD-198717,020398980FLE,CCL003910-A,CCL003804-A,CCL003782-A,CCL003788-A,RAD-198711,RAD-198713,CCL003789-A,CCL003600-M,CCL003778-A,CCL003783-A,CCL000300-X,CCL003905-A,RAD-198688,020268694FLE,CCL003601-M,CCL003912-A,CCL000301-X,CCL003786-A,CCL003584-M,CCL003781-A,020268692FLE,CCL003908-A,CCL000302-X,CCL003909-A,CCL003591-M,020268693FLE,CCL003597-M,017790917FLE,CCL003806-A,CCL003911-A,020399082FLE,CCL000314-X,CCL003777-A,CCL003592-M,CCL003907-A,CCL003780-A,CCL003598-M,RAD-198687,CCL003587-M,CCL003795-A,020268695FLE,RAD-198686,CCL003787-A,020398979FLE,020399081FLE,CCL003920-A,CCL003593-M,CCL003914-A,CCL003906-A,CCL003913-A,CCL003776-A,CCL003803-A,CCL003595-M,CCL003579-M,CCL003596-M,CCL003784-A,CCL003805-A,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
January 7, 2025	332,861		RAD-198693,RAD-198698,CCL003938-A,RAD-198708,RAD-198696,CCL003928-A,CCL000298-X,CCL003939-A,CCL003923-A,CCL003940-A,RAD-198705,CCL003934-A,CCL003966-A,CCL003931-A,CCL003968-A,CCL003937-A,CCL003961-A,RAD-198695,CCL003915-A,CCL003962-A,RAD-198700,CCL003599-M,CCL003957-A,CCL003967-A,020268698FLE,020268696FLE,CCL003932-A,CCL003958-A,CCL003963-A,017790944FLE,020268699FLE,CCL003880-A,CCL003927-A,CCL003926-A,020398982FLE,020268697FLE,020398981FLE,CCL003933-A,CCL000311-X,CCL003922-A,RAD-198704,CCL003994-A,CCL003930-A,020399083FLE,CCL003960-A,CCL003965-A,020399084FLE,CCL003959-A,CCL003969-A,CCL003921-A,CCL003935-A,CCL003936-A,CCL000310-X,CCL003929-A,CCL003995-A,CCL003925-A,
January 8, 2025	311,994		017790919FLE,017790976FLE,020268695FLE,020268702FLE,020268701FLE,020268700FLE,020399086FLE,020399085FLE,020398984FLE,020398983FLE,CCL004038-A,CCL004037-A,CCL004036-A,CCL004035-A,CCL004034-A,CCL004033-A,CCL004032-A,RAD-198743,CCL004031-A,CCL004044-A,RAD-198732,CCL003982-A,CCL003977-A,CCL003616-A,CCL003973-A,CCL000110-B,RAD-198735,CCL003974-A,RAD-198737,RAD-198738,CCL000315-X,CCL003975-A,CCL000312-X,CCL000297-X,RAD-198719,CCL000299-X,RAD-198734,CCL003976-A,RAD-198733,RAD-198739,CCL003979-A,RAD-198702,CCL003980-A,RAD-198703,CCL003981-A,RAD-198701,CCL003983-A,CCL003984-A,CCL003985-A,CCL003986-A,CCL003987-A,CCL003988-A,CCL003989-A,CCL003991-A,CCL003990-A,CCL003992-A,CCL003993-A,
January 9, 2025	326,705		RAD-198727,CCL004045-A,RAD-198728,CCL004046-A,RAD-198729,CCL004043-A,CCL004042-A,CCL004041-A,CCL003594-M,017790921FLE,017790920FLE,017790991FLE,017790990FLE,020399088FLE,020399087FLE,020398986FLE,020398985FLE,CCL003955-A,CCL003576-M,CCL003956-A,CCL003970-A,CCL003971-A,CCL004060-A,CCL003606-M,CCL004059-A,RAD-198755,CCL004058-A,CCL003605-M,CCL004057-A,RAD-198740,CCL000374-X,RAD-198721,CCL003602-M,RAD-198720,CCL004056-A,RAD-198722,CCL004055-A,CCL004054-A,CCL004053-A,CCL000303-X,CCL000109-B,CCL000317-X,CCL000127-B,CCL000313-X,RAD-198724,D647912,RAD-198723,CCL003978-A,CCL004052-A,CCL004051-A,CCL004049-A,CCL004050-A,RAD-198725,CCL004047-A,RAD-198726,CCL004048-A,RAD-198730,CCL004040-A,RAD-198731,CCL004039-A,
January 10, 2025	263,496		017790971FLE,017790970FLE,017790945FLE,020268706FLE,020268705FLE,020268704FLE,020399090FLE,020399089FLE,020398988FLE,020398987FLE,CCL003611-M,CCL003944-A,CCL003945-A,CCL003947-A,CCL003946-A,CCL003948-A,CCL003609-M,CCL003603-M,CCL003610-M,CCL003608-M,CCL003949-A,CCL004065-A,CCL000373-X,CCL004063-A,CCL000370-X,CCL000365-X,CCL000364-X,RAD-198762,CCL004062-A,RAD-198766,CCL000366-X,RAD-198746,CCL003572-M,RAD-198747,CCL003950-A,RAD-198748,CCL003951-A,CCL004061-A,RAD-198764,CCL003573-M,CCL003952-A,RAD-198749,RAD-198750,CCL003574-M,CCL003575-M,CCL003954-A,CCL003941-
January 11, 2025	91,060		CCL003964-A,CCL004029-A,CCL004004-A,CCL004027-A,CCL004028-A,CCL004026-A,CCL000372-X,CCL004025-A,CCL000361-X,CCL004003-A,CCL004002-A,CCL004001-A,CCL004024-A,CCL004030-A,CCL003942-A,CCL003943-A,CCL004000-A,
January 12, 2025	86,766		CCL003571-M,CCL004023-A,RAD-198736,CCL004009-A,CCL003614-M,RAD-198744,CCL004011-A,CCL004010-A,CCL004008-A,CCL004007-A,RAD-198742,CCL003615-M,RAD-198761,CCL003613-M,RAD-198760,CCL004006-A,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
January 13, 2025	358,331		204,020398990FLE,020268708FLE,020398989FLE,NH6292-205,020399092FLE,017790972FLE,NH6292-206,CCL004090-A,CCL004089-A,CCL004088-A,CCL004087-A,CCL003563-M,CCL004081-A,CCL003562-M,CCL003561-M,RAD-198790,RAD-198791,CCL004080-A,CCL004079-A,CCL004078-A,CCL004077-A,RAD-198792,CCL004076-A,CCL004075-A,CCL000362-X,CCL004074-A,CCL003570-M,CCL004073-A,CCL003568-M,CCL003569-M,RAD-198794,RAD-198793,CCL004072-A,CCL004070-A,CCL000376-X,CCL004069-A,CCL000369-X,CCL000368-X,CCL004068-A,RAD-198795,CCL004066-A,CCL004067-A,RAD-198796,CCL004012-A,RAD-198797,RAD-198798,CCL003607-M,CCL004013-A,CCL004014-A,RAD-198799,CCL004015-A,CCL004016-A,CCL004017-A,CCL004021-A,CCL004018-A,CCL004019-A,RAD-198765,CCL004020-A,CCL003612-M,RAD-198754,CCL004022-A,RAD-198741,
January 14, 2025	318,184		219,020399094FLE,020268710FLE,020399093FLE,017790993FLE,020398993FLE,020398992FLE,020398991FLE,NH6292-217,020268709FLE,017790992FLE,CCL003685-M,CCL003684-M,CCL004111-A,CCL003683-M,CCL004110-A,CCL004109-A,CCL004103-A,CCL004102-A,CCL003675-M,CCL003674-M,RAD-197010,RAD-197013,RAD-197012,RAD-197014,RAD-197015,RAD-197011,CCL000367-X,RAD-197016,CCL003670-M,CCL003671-M,CCL004098-A,CCL004099-A,RAD-198785,CCL004097-A,CCL004096-A,CCL000360-X,CCL000359-X,CCL003566-M,CCL000348-X,CCL000358-X,RAD-198786,CCL004101-A,RAD-198787,CCL004095-A,RAD-198788,CCL004094-A,CCL004093-A,CCL004086-A,CCL004085-A,RAD-198789,CCL003565-M,CCL004084-A,CCL004082-A,CCL004083-A,CCL004092-A,CCL003564-M,CCL004091-A,
January 15, 2025	372,995		208,020399096FLE,017790974FLE,020399095FLE,NH6292-214,020268712FLE,017790973FLE,020398995FLE,020398994FLE,NH6292-207,NH6292-213,020268711FLE,CCL003688-M,CCL004134-A,CCL004135-A,CCL004133-A,CCL004132-A,CCL004131-A,CCL003687-M,RAD-197026,CCL003680-M,RAD-197027,CCL004117-A,CCL004130-A,CCL004129-A,CCL003677-M,CCL003678-M,CCL004128-A,RAD-197029,CCL000347-X,CCL000346-X,RAD-197030,CCL004127-A,CCL000356-X,CCL004125-A,CCL000354-X,CCL004124-A,CCL000341-X,RAD-197031,CCL004123-A,CCL004121-A,CCL004122-A,CCL000363-X,RAD-197032,RAD-197033,RAD-197034,CCL004120-A,CCL004119-A,RAD-198757,CCL004118-A,RAD-198756,RAD-198800,CCL004116-A,CCL004108-A,CCL004107-A,RAD-198801,CCL004106-A,RAD-198802,CCL004104-A,CCL004105-A,CCL003672-M,CCL004115-A,CCL003686-M,RAD-198803,CCL004114-A,CCL004113-A,CCL004112-A,
January 16, 2025	389,375		LE,020399099FLE,020399098FLE,020398996FLE,NH6292-216,NH6292-215,NH6292-218,NH6292-212,NH6292-211,NH6292-210,NH6292-209,CCL000345-X,CCL004218-A,CCL004219-A,CCL004222-A,CCL004220-A,CCL004221-A,CCL004224-A,CCL004225-A,CCL004223-A,RAD-198772,CCL004226-A,RAD-198773,CCL004227-A,CCL004228-A,CCL004230-A,RAD-198806,RAD-198805,CCL004229-A,RAD-198804,RAD-198774,CCL004232-A,RAD-197008,RAD-197018,CCL004179-A,CCL000353-X,RAD-197017,CCL004233-A,RAD-197009,CCL003691-M,RAD-197019,RAD-197020,CCL000343-X,CCL004178-A,CCL004177-A,RAD-197021,CCL003690-M,CCL003682-M,RAD-197022,CCL000344-X,CCL004181-A,CCL004180-A,CCL004182-A,RAD-197023,RAD-197024,RAD-197025,CCL004184-A,CCL004185-A,CCL004198-A,CCL004199-A,CCL004200-A,CCL003681-M,CCL004201-A,CCL004186-A,CCL004137-A,CCL004187-A,CCL004136-A,CCL003689-M,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
January 17, 2025	275,739		0202687 16FLE,0202687 15FLE,020399998FLE,020399997FLE,020268605FLE,017790946FLE,017790979FLE,017790978FLE,017790977FLE,NH6292-222,NH6292-221,NH6292-220,CCL004190-A,CCL004192-A,CCL003695-M,CCL004193-A,CCL003700-M,CCL004194-A,CCL004195-A,CCL004196-A,CCL004210-A,CCL004197-A,CCL003694-M,CCL003693-M,CCL000338-X,CCL000337-X,CCL000336-X,CCL004203-A,CCL000351-X,CCL000350-X,CCL004209-A,CCL000357-X,CCL000342-X,CCL000352-X,RAD-198767,CCL004205-A,CCL004206-A,CCL004207-A,RAD-198768,CCL004208-A,RAD-198769,RAD-198770,RAD-198771,CCL004211-A,CCL004212-A,CCL004214-A,CCL004213-A,CCL004231-A,CCL004215-A,CCL004216-A,CCL004217-A,
January 18, 2025	97,365		017790980FLE,CCL000339-X,CCL003698-M,CCL000326-X,CCL000333-X,CCL000335-X,CCL000334-X,CCL000349-X,RAD-197037,RAD-198758,CCL004172-A,CCL004171-A,CCL004175-A,RAD-198759,CCL000340-X,CCL004191-A,CCL004188-A,CCL003697-
January 19, 2025	69,959		CCL004311-A,CCL003732-M,CCL004142-A,CCL004141-A,CCL003559-M,CCL004140-A,CLL004139-A,CCL004138-A,CCL004157-A,CCL004156-A,CCL004169-A,CCL003560-M,CCL004173-A,
January 20, 2025	407,866		225,017790981FLE,NH6292-226,017790997FLE,017790996FLE,017790982FLE,020268607FLE,020268606FLE,NH6292-224,020399000FLE,017790995FLE,NH6292-223,01790994FLE,CCL003724-M,CCL004174-A,CCL004170-A,CCL004158-A,CCL004317-A,CCL004316-A,CCL004312-A,RAD-197079,CCL004168-A,CCL004167-A,RAD-197081,CCL004165-A,CCL004164-A,CCL003722-M,RAD-197082,CCL004161-A,CCL004315-A,CCL004314-A,RAD-197083,CCL000319-X,CCL003725-M,CCL004163-A,CCL000323-X,CCL004162-A,CCL003726-M,RAD-197084,RAD-197085,CCL004160-A,CCL003727-M,RAD-197086,CCL000329-X,CCL000330-X,CCL003729-M,CCL004159-A,CCL003728-M,CCL004155-A,CCL004154-A,CCL000332-X,CCL004153-A,CCL004152-A,RAD-197087,CCL004151-A,CCL000331-X,CCL004150-A,RAD-197064,CCL004149-A,RAD-197065,CCL000327-X,RAD-197066,CCL004148-A,RAD-197041,CCL004147-A,RAD-197062,RAD-197063,CCL004146-A,CCL003730-M,CCL003567-M,CCL004145-A,CCL004144-A,CCL003558-M,CCL004310-A,CCL004143-
January 21, 2025	392,841		230,017791001FLE,017790983FLE,020399002FLE,NH6292-229,020268608FLE,017790999FLE,020399001FLE,017791000FLE,NH6292-228,NH6292-227,020508353FLE,020508362FLE,020508361FLE,020508128FLE,020508129FLE,020508263FLE,020508356FLE,020508374FLE,CCL004343-A,CCL004348-A,CCL004347-A,CCL004346-A,CCL004345-A,CCL003718-M,CCL004344-A,CCL003719-M,CCL003720-M,CCL004342-A,CCL004341-A,CCL004340-A,CCL004339-A,RAD-197075,RAD-197042,CCL004338-A,CCL004336-A,CCL004335-A,CCL004334-A,CCL004337-A,CCL004333-A,CCL004332-A,CCL004329-A,CCL003721-M,CCL004330-A,CCL004331-A,CCL004328-A,RAD-197043,RAD-197067,CCL004327-A,CCL004326-A,CCL004313-A,CCL000321-X,CCL000320-X,CCL000318-X,RAD-197068,CCL004325-A,CCL004324-A,CCL004323-A,RAD-197060,RAD-197059,RAD-197038,RAD-197076,CCL004166-A,CCL004322-A,RAD-197077,CCL004321-A,CCL004320-A,RAD-197078,CCL004319-A,RAD-
January 22, 2025	181,650		RAD-197071,RAD-198782,CCL004298-A,CCL004349-A,RAD-198781,CCL004297-A,RAD-197070,CCL004299-A,RAD-198784,CCL004300-A,RAD-198783,CCL004302-A,CCL004303-A,RAD-197074,CCL004304-A,RAD-197073,CCL004305-A,CCL004306-A,CCL004307-A,CCL004308-A,CCL004309-A,CCL004301-A,020508365FLE,020508373FLE,020508385FLE,020508355FLE,020508264FLE,020399004FLE,020399003FLE,017791004FLE,017791003FLE,NH6292-232,NH6292-231,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
January 23, 2025	334,338	10,360	LE,020268611FLE,020268610FLE,017791006FLE,017791005FLE,NH6292-236,NH6292-234,NH6292-237,NH6292-233,NH6292-235,020508130FLE,020508358FLE,CCL004277-A,CCL003710-M,RAD-197046,CCL004285-A,CCL004284-A,CCL004283-A,CCL000403-X,CCL004282-A,CCL004281-A,CCL004280-A,CCL003712-M,CCL004279-A,CCL003713-M,CCL003723-M,CCL004286-A,CCL003714-M,CCL004287-A,RAD-198776,CCL004288-A,CCL003715-M,RAD-197072,RAD-197055,RAD-197035,RAD-197056,CCL004289-A,CCL004291-A,CCL004296-A,CCL004290-A,CCL004176-A,RAD-198745,CCL004293-A,CCL004292-A,RAD-198775,CCL004294-A,CCL004295-A,CCL000404-X,RAD-198777,RAD-198778,RAD-198780,RAD-198779,RAD-197039,RAD-197036,RAD-197057,RAD-197058,RAD-197069, 017791012FLE,
January 24, 2025	330,712	5,246	LE,017791011FLE,017791010FLE,017791009FLE,NH6292-243,NH6292-241,NH6292-240,NH6292-239,NH6292-238,CCL003716-M,020508445FLE,CCL000402-X,CCL004247-A,020508405FLE,020508397FLE,020508396FLE,020508368FLE,RAD-197049,RAD-197107,CCL004238-A,CCL003707-M,CCL004237-A,CCL004236-A,CCL004235-A,CCL003708-M,CCL004234-A,CCL003709-M,CCL004250-A,CCL004251-A,CCL004252-A,CCL004253-A,CCL004254-A,CCL004255-A,CCL004256-A,CCL004259-A,RAD-197051,CCL004260-A,CCL004258-A,RAD-197050,RAD-197048,CCL004261-A,CCL004263-A,CCL004264-A,CCL004262-A,CCL004265-A,CCL004266-A,RAD-197045,RAD-197044,CCL004267-A,CCL004268-A,RAD-197047,CCL003711-M,CCL004269-A,CCL004271-A,CCL004270-A,CCL004278-A,020508369FLE,CCL004272-A,CCL004275-A,CCL004273-
January 25, 2025	129,360		CCL004249-A,CCL004361-A,020508483FLE,CCL004362-A,020508481FLE,020508480FLE,CCL004363-A,CCL004364-A,CCL004365-A,020508367FLE,CCL004245-A,CCL004246-A,CCL000401-X,RAD-197106,CCL000406-X,CCL004244-A,CCL004242-A,CCL004243-A,CCL004241-A,CCL004239-A,CCL004126-A,CCL004240-A,CCL003705-
January 26, 2025	93,232		CCL003554-M,CCL003699-M,RAD-197102,RAD-197101,RAD-197100,CCL004375-A,CCL004376-A,CCL004374-A,RAD-197061,CCL004368-A,CCL004367-A,CCL003702-M,CCL004355-A,CCL003703-M,CCL003704-M,CCL004356-A,CCL004358-A,CCL004359-
January 27, 2025	362,619		244,017791019FLE,CCL003737-M,020399007FLE,CCL004369-A,NH6292-242,CCL003743-M,CCL003736-M,NH6292-245,020399006FLE,CCL004372-A,CCL003706-M,CCL004450-A,CCL003734-M,CCL004446-A,CCL004444-A,017791020FLE,CCL004442-A,020268620FLE,017791021FLE,020268622FLE,CCL003735-M,CCL004351-A,020508582FLE,CCL003733-M,CCL000400-X,CCL004449-A,CCL004373-A,CCL004353-A,CCL004370-A,020399005FLE,CCL004354-A,020479678FLE,020479638FLE,RAD-197109,CCL003557-M,020508596FLE,CCL003738-M,RAD-197096,CCL004377-A,CCL004451-A,CCL004445-A,017791022FLE,CCL004371-A,CCL004452-A,CCL003739-M,CCL004257-A,017791056FLE,CCL004352-A,RAD-197115,CCL004453-A,CCL004447-A,020268621FLE,CCL004448-A,RAD-197105,CCL003701-M,RAD-197088,RAD-197054,RAD-197053,CCL004443-A,RAD-197095,RAD-197117,RAD-197113,CCL004350-A,RAD-197114,RAD-197052,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
January 28, 2025	379,009		197112,CCL004435-A,CCL004439-A,RAD-197118,RAD-197108,RAD-197111,CCL003741-M,RAD-197089,CCL004431-A,RAD-197132,CCL004418-A,CCL003748-M,CCL004421-A,CCL004423-A,CCL004441-A,CCL004440-A,CCL004426-A,RAD-197090,CCL004430-A,CCL003750-M,020508586FLE,CCL003745-M,CCL003747-M,017791023FLE,CCL004414-A,CCL004432-A,CCL003746-M,CCL004416-A,CCL004420-A,017791024FLE,020268626FLE,020399008FLE,CCL003742-M,CCL004427-A,CCL004436-A,CCL003751-M,020268624FLE,CCL004428-A,017791026FLE,020508398FLE,CCL003740-M,CCL004422-A,CCL004438-A,017791025FLE,020268625FLE,CCL004433-A,CCL004434-A,020479685FLE,CCL004425-A,CCL004437-A,CCL000325-X,CCL003752-M,CCL004429-A,CCL004424-A,017791027FLE,CCL003744-M,CCL004419-A,CCL000398-X,020268623FLE,020479625FLE,CCL000399-X,NH6292-
January 29, 2025	364,271		197151,RAD-197097,RAD-197129,RAD-197124,RAD-197128,RAD-197104,RAD-197123,RAD-197127,CCL004378-A,RAD-197150,CCL004456-A,020268628FLE,CCL004462-A,CCL004470-A,CCL004458-A,CCL004466-A,020508402FLE,CCL004412-A,017791028FLE,CCL004465-A,020508408FLE,020479672FLE,CCL004380-A,020508409FLE,CCL004383-A,CCL000408-X,020508403FLE,020508584FLE,020508587FLE,017791035FLE,CCL000409-X,CCL004459-A,020268627FLE,CCL004454-A,CCL004467-A,CCL004460-A,CCL004411-A,020479681FLE,CCL004469-A,CCL004471-A,CCL004457-A,CCL004463-A,CCL004413-A,CCL004382-A,020399010FLE,CCL004202-A,017791036FLE,CCL004379-A,017791029FLE,CCL004464-A,CCL004468-A,CCL004455-A,020399009FLE,CCL004473-A,CCL004461-A,CCL000410-X,CCL004381-A,NH6292-254,CCL004472-A,NH6292-251,NH6292-253,NH6292-252,
January 30, 2025	302,421	9,704	197139,017791040FLE,017791039FLE,020268630FLE,017791038FLE,017791037FLE,020268629FLE,020268631FLE,CCL004479-A,CCL004480-A,CCL004481-A,CCL004482-A,CCL004483-A,CCL004484-A,CCL004485-A,RAD-197140,CCL004490-A,CCL004486-A,CCL004487-A,RAD-197141,CCL004488-A,RAD-197142,CCL004489-A,CCL004491-A,020479733FLE,CCL000389-X,CCL000378-X,CCL004492-A,020508595FLE,020479682FLE,020508589FLE,CCL004495-A,CCL004496-A,CCL004493-A,RAD-197143,CCL004494-A,CCL000390-X,RAD-197144,CCL004497-A,RAD-197145,CCL004474-A,CCL004475-A,RAD-197146,CCL004476-A,RAD-197147,CCL004477-A,CCL004478-A,RAD-197148,CCL004388-A,RAD-197149,CCL004387-A,CCL004386-A,CCL004389-A,CCL004385-A,CCL004384-A, 017791034FLE,
January 31, 2025	306,893	5,409	020268635FLE, 020268634FLE, 020268633FLE, 020268632FLE,020508591FLE,CCL000460-X,CCL003758-M,CCL000453-X,CCL000451-X,CCL000454-X,CCL000455-X,CCL003757-M,CCL000452-X,RAD-197136,CCL004406-A,CCL003756-M,CCL003755-M,CCL004404-A,RAD-197134,CCL000382-X,CCL004403-A,CCL000383-X,CCL000384-X,CCL000385-X,CCL004402-A,CCL000411-X,CCL004401-A,CCL000386-X,020508588FLE,020508592FLE,020479703FLE,020479745FLE,CCL004400-A,RAD-197137,RAD-197091,CCL000387-X,CCL004399-A,CCL000388-X,CCL004398-A,RAD-197092,CCL004394-A,RAD-197135,CCL004393-A,CCL004395-A,CCL004396-A,CCL004392-A,CCL004391-A,020479704FLE,CCL004390-A,CCL004397-A,RAD-197138,RAD-197099,RAD-197120, 017791057FLE
January 2025 Total =	**8,068,888**	30,719	
February 2025			

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
February 1, 2025	159,682		RAD-197169,RAD-197098,CCL000457-X,CCL000459-X,CCL000456-X,CCL000440-X,RAD-197122,CCL000407-X,CCL003760-M,020479744FLE,020479814FLE,020508583FLE,CCL003753-M,CCL000380-X,CCL003552-M,CCL003553-M,CCL000462-X,CCL000461-X,CCL000458-X,020508594FLE,CCL000438-X,CCL000436-X,CCL000450-X,CCL003555-M,CCL000414-X,CCL000437-X,CCL000413-X,CCL000381-X,CCL003759-M,CCL000379-X,
February 2, 2025	56,338		RAD-197153,RAD-197154,RAD-197152,CCL000470-X,CCL000472-X,CCL000491-X,CCL000510-X,CCL000509-X,CCL003523-M,CCL000397-X,
February 3, 2025	373,665		197168,CCL000513-X,RAD-197171,CCL000482-X,RAD-197170,RAD-197181,RAD-197173,CCL000474-X,CCL000494-X,CCL000512-X,RAD-197182,CCL000490-X,CCL000477-X,CCL003530-M,CCL000487-X,CCL000471-X,020268636FLE,020479953FLE,CCL000481-X,CCL000483-X,020268639FLE,CCL000488-X,CCL000479-X,020479734FLE,CCL003532-M,CCL000418-X,CCL000485-X,CCL000511-X,CCL000478-X,CCL003528-M,RAD-197172,CCL000415-X,CCL000395-X,CCL000484-X,017791068FLE,CCL000441-X,CCL000486-X,030268640FLE,CCL000442-X,CCL003529-M,CCL003525-M,020399014FLE,020268638FLE,020479883FLE,CCL000394-X,020399015FLE,RAD-197174,017791087FLE,020479874FLE,CCL003526-M,CCL000439-X,CCL003527-M,020479882FLE,CCL000422-X,020268637FLE,CCL000473-X,CCL003531-M,CCL003544-M,CCL000420-X,CCL000492-X,CCL000416-X,CCL003524-M,CCL000419-X,CCL000417-X,CCL000493-X,
February 4, 2025	334,669		197185,CCL000468-X,RAD-197178,RAD-197180,RAD-197192,RAD-197179,RAD-197161,CCL004410-A,CCL000444-X,020479962FLE,CCL000475-X,020479892FLE,020268641FLE,CCL000464-X,020268644FLE,020479890FLE,CCL004407-A,CCL000466-X,CCL000425-X,020399017FLE,020479891FLE,CCL000443-X,020479885FLE,CCL000447-X,CCL000469-X,CCL000448-X,CCL000445-X,CCL004409-A,CCL000535-X,CCL000424-X,CCL000467-X,CCL000508-X,CCL003761-M,CCL003547-M,CCL003549-M,CCL004405-A,CCL000476-X,CCL000423-X,CCL000426-X,020268642FLE,020399016FLE,CCL000446-X,017791041FLE,017791042FLE,CCL000449-X,CCL003546-M,CCL004408-A,020479735FLE,020268643FLE,CCL003548-M,020479867FLE,CCL000393-X,CCL000465-X,CCL000430-X,CCL003545-
February 5, 2025	368,803		RAD-197186,RAD-197188,RAD-197189,RAD-197155,RAD-197160,CCL000529-X,RAD-197157,RAD-197193,CCL003787-M,RAD-197156,RAD-197162,RAD-197158,RAD-197187,CCL000538-X,RAD-197194,CCL000530-X,CCL000523-X,CCL000505-X,CCL000524-X,020399018FLE,CCL000392-X,020479893FLE,020480011FLE,CCL000522-X,CCL000542-X,CCL000533-X,CCL000520-X,CCL000564-X,CCL000525-X,CCL000539-X,CCL000534-X,CCL003783-M,CCL000566-X,CCL000526-X,RAD-197159,CCL000531-X,020479889FLE,CCL000537-X,CCL000518-X,CCL000532-X,020479998FLE,CCL003785-M,020479881FLE,017791043FLE,020479942FLE,CCL000565-X,CCL000567-X,020268648FLE,CCL000521-X,CCL000527-X,CCL003786-M,020268650FLE,CCL000541-X,CCL000528-X,020268645FLE,CCL003788-M,017791044FLE,017791069FLE,020268647FLE,CCL000391-

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
February 6, 2025	329,524		RAD-197264,RAD-197266,RAD-197265,RAD-197262,RAD-201012,RAD-197167,RAD-201013,RAD-201014,RAD-197165,CCL000555-X,RAD-197164,RAD-197166,CCL000548-X,CCL000546-X,CCL000517-X,020480001FLE,CCL000556-X,CCL000545-X,CCL000502-X,CCL000563-X,CCL000561-X,CCL000557-X,CCL003790-M,CCL000579-X,CCL000515-X,CCL000514-X,CCL000558-X,CCL000554-X,CCL000551-X,RAD-197163,020479887FLE,020268651FLE,CCL000544-X,020479876FLE,CCL000559-X,020480000FLE,CCL000543-X,CCL000553-X,CCL003784-M,020399022FLE,CCL000549-X,CCL003791-M,CCL000562-X,CCL000552-X,CCL000550-X,CCL000322-X,CCL000547-X,017791045FLE,CCL000516-X,020268652FLE,CCL000497-X,020479875FLE,CCL000580-X,CCL003793-M,CCL000519-X,CCL000578-X,017791046FLE,CCL000501-X,CCL000496-X,CCL000498-X,CCL000503-
February 7, 2025	377,191		RAD-201015,RAD-201016,RAD-201019,RAD-201020,CCL000602-X,RAD-201011,CCL000584-X,CCL000583-X,CCL000577-X,CCL000625-X,RAD-201021,RAD-201018,RAD-201017,CCL000434-X,CCL000597-X,CCL000603-X,CCL000593-X,CCL000599-X,CCL000610-X,RAD-201008,CCL000601-X,CCL000626-X,CCL000507-X,CCL000600-X,020399024FLE,CCL000619-X,CCL000585-X,CCL000582-X,CCL000618-X,020268654FLE,CCL000607-X,020479877FLE,CCL000616-X,CCL000405-X,CCL000605-X,CCL000628-X,CCL000591-X,CCL000595-X,020399025FLE,CCL000588-X,020480010FLE,CCL000617-X,020479878FLE,CCL000589-X,017791047FLE,CCL000592-X,020480012FLE,CCL000421-X,CCL000495-X,017791048FLE,CCL000590-X,020399023FLE,020268653FLE,020479880FLE,CCL003792-M,CCL000627-X,CCL000606-X,CCL000587-X,CCL000412-X,CCL000596-X,CCL000586-X,CCL000598-X,CCL000609-X,CCL000432-X,020480027FLE,CCL003794-M,CCL000435-X,CCL000433-X,CCL000499-
February 8, 2025	138,172		RAD-201022,RAD-197199,RAD-197200,CCL000624-X,CCL000645-X,CCL000620-X,CCL000635-X,CCL000608-X,CCL000642-X,CCL000636-X,CCL000640-X,CCL000644-X,CCL000641-X,CCL000638-X,CCL003797-M,CCL000623-X,020479879FLE,CCL003796-M,CCL003795-M,CCL000646-X,CCL000637-X,CCL000621-X,CCL000622-X,CCL000639-X,CCL000643-X,
February 9, 2025	55,711		RAD-197198,RAD-201025,RAD-197197,CCL000676-X,CCL000658-X,CCL000656-X,CCL000677-X,CCL000675-X,CCL000678-X,CCL003799-M,
February 10, 2025	296,099		RAD-197193,RAD-197201,RAD-197195,RAD-197196,CCL000693-X,RAD-201040,RAD-201041,RAD-201039,CCL000673-X,018765112FLE,CCL000674-X,RAD-201027,CCL000570-X,CCL000572-X,CCL000696-X,CCL000671-X,CCL000690-X,CCL000569-X,CCL000571-X,CCL000681-X,CCL000692-X,CCL000700-X,CCL000688-X,CCL000653-X,CCL000654-X,CCL000693-X,CCL000672-X,018765111FLE,017791088FLE,CCL000699-X,CCL003800-M,CCL003798-M,CCL000698-X,CCL000689-X,020268656FLE,CCL000697-X,CCL000701-X,017791070FLE,020268655FLE,020510156FLE,018765110FLE,CCL000568-X,CCL000694-X,CCL000691-X,CCL000655-X,CCL000612-X,CCL000634-X,CCL000679-X,CCL000613-X,CCL000721-X,020399027FLE,CCL000611-X,CCL000615-X,020399026FLE,CCL000614-X,
February 11, 2025	358,034		RAD-201046,RAD-201047,RAD-201048,RAD-201057,RAD-201054,RAD-201055,RAD-201042,CCL003767-M,CCL000650-X,RAD-201059,RAD-201044,RAD-201049,CCL000683-X,CCL000702-X,CCL000709-X,RAD-201056,020510214FLE,CCL000714-X,CCL000647-X,CCL000686-X,CCL000706-X,CCL000648-X,CCL000705-X,CCL000685-X,CCL000713-X,CCL000684-X,CCL000687-X,CCL000708-X,CCL000710-X,CCL000703-X,020510102FLE,CCL000712-X,CCL003770-M,020480063FLE,020399028FLE,CCL000680-X,CCL000573-X,CCL000704-X,CCL000711-X,CCL000682-X,018765115FLE,CCL000651-X,CCL000715-X,CCL000649-X,017791050FLE,020510158FLE,018765114FLE,020510159FLE,CCL000734-X,017791049FLE,018765116FLE,CCL003771-M,CCL000652-X,018765113FLE,CCL003768-M,020479868FLE,CCL000659-X,020480064FLE,CCL000735-X,CCL000657-X,CCL003772-M,CCL000736-X,CCL003769-M,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
February 12, 2025	370,983		RAD-201043,RAD-201045,RAD-201050,CCL000662-X,CCL003779-M,CCL003801-M,RAD-201033,RAD-201036,RAD-201035,RAD-201052,CCL000663-X,CCL000668-X,CCL000719-X,CCL000718-X,CCL000773-X,CCL003764-M,CCL000763-X,CCL000769-X,CCL000764-X,018765118FLE,CCL000664-X,CCL000667-X,CCL000665-X,CCL000776-X,CCL000768-X,CCL000771-X,CCL000775-X,018765119FLE,CCL000770-X,CCL000717-X,CCL000669-X,020510217FLE,018765117FLE,020510248FLE,020510216FLE,CCL000772-X,020510219FLE,CCL000765-X,020510160FLE,CCL003762-M,CCL003778-M,CCL000670-X,020510215FLE,CCL003765-M,020510285FLE,CCL000766-X,CCL003766-M,017791051FLE,CCL000604-X,CCL003776-M,CCL000774-X,CCL000720-X,020510288FLE,CCL000716-X,018765120FLE,020399029FLE,CCL000666-X,CCL000767-
February 13, 2025	322,746		RAD-201087,RAD-201030,RAD-201062,CCL000752-X,RAD-201028,018765123FLE,RAD-201026,CCL000799-X,CCL000753-X,CCL000760-X,CCL000759-X,020510286FLE,CCL000743-X,CCL000762-X,CCL003803-M,CCL003773-M,CCL000633-X,CCL000797-X,020510318FLE,CCL000756-X,CCL003780-M,CCL000661-X,020510220FLE,CCL000631-X,CCL000755-X,CCL003817-M,020510320FLE,CCL000750-X,CCL000632-X,CCL003775-M,CCL000786-X,018765124FLE,017791053FLE,CCL000783-X,CCL000758-X,018765122FLE,CCL000751-X,CCL003763-M,017791054FLE,020399030FLE,020510287FLE,CCL000754-X,CCL000784-X,CCL000757-X,CCL003818-M,CCL003774-M,CCL000660-X,CCL003551-M,020480067FLE,CCL000761-X,CCL000745-X,CCL000630-
February 14, 2025	347,804		RAD-201076,RAD-201078,RAD-201069,RAD-201071,RAD-201064,CCL000792-X,020510321FLE,CCL000798-X,CCL000872-X,CCL000855-X,RAD-201068,CCL000843-X,CCL000844-X,CCL000820-X,CCL000744-X,CCL000781-X,CCL000818-X,CCL000795-X,CCL000865-X,CCL003810-M,CCL000789-X,CCL000749-X,CCL000748-X,CCL000746-X,CCL000871-X,CCL003812-M,CCL000787-X,CCL000819-X,CCL000791-X,018765213FLE,CCL000916-X,CCL000790-X,20510400FLE,CCL000793-X,CCL003816-M,CCL000873-X,CCL000785-X,CCL000874-X,CCL000875-X,CCL000747-X,018765211FLE,CCL000796-X,018765127FLE,CCL000815-X,CCL000842-X,20510326FLE,CCL000864-X,020399032FLE,CCL000876-X,CCL000788-X,CCL003811-M,CCL003815-M,CCL000794-X,018765126FLE,018765125FLE,CCL000738-X,CCL000739-X,020399031FLE,018765212FLE,CCL000817-X,
February 15, 2025	110,226		RAD-201067,RAD-201065,RAD-201072,CCL000914-X,CCL000853-X,RAD-201066,020510409FLE,CCL000917-X,CCL000919-X,CCL000912-X,CCL003808-M,CCL000915-X,CCL000918-X,020510408FLE,CCL003809-M,CCL003813-M,CCL000909-X,020480070FLE,CCL000854-X,CCL003807-
February 16, 2025	92,032		RAD-201079,RAD-201082,RAD-201088,CCL000860-X,CCL000862-X,CCL000861-X,CCL000907-X,CCL000913-X,CCL000863-X,CCL000910-X,CCL000911-X,CCL003806-M,CCL000859-X,CCL000908-X,CCL003827-M,CCL003805-M,CCL003804-M,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
February 17, 2025	388,722		201103,RAD-201085,RAD-201081,CCL000847-X,CCL000900-X,020510538FLE,RAD-201105,CCL000882-X,RAD-201102,RAD-201104,CCL000894-X,CCL000901-X,CCL000899-X,CCL000897-X,CCL000850-X,CCL000887-X,CCL000896-X,CCL000857-X,CCL000888-X,CCL003824-M,020399033FLE,CCL000852-X,CCL000880-X,CCL000902-X,CCL000858-X,018765128FLE,CCL000856-X,CCL000849-X,CCL003826-M,CCL000868-X,RAD-201083,CCL000867-X,CCL000869-X,CCL000851-X,020510512FLE,CCL003822-M,018765129FLE,01876513FLE,CCL000895-X,CCL000881-X,CCL000846-X,CCL000878-X,CCL003823-M,CCL000778-X,CCL000877-X,CCL000892-X,CCL003821-M,CCL003825-M,020510504-FLE,020399034FLE,017791073FLE,CCL000898-X,CCL000893-X,CCL000848-X,20510509FLE,CCL000870-X,CCL000866-X,CCL000879-X,020510506FLE,CCL000727-X,CCL000725-X,CCL000722-X,CCL000733-X,CCL000742-X,CCL000732-X,CCL000740-X,CCL000741-X,
February 18, 2025	357,436		201097,RAD-201132,RAD-201095,CCL000956-X,RAD-201131,CCL000905-X,CCL000891-X,CCL000926-X,CCL000958-X,CCL000963-X,CCL000931-X,RAD-201107,RAD-201093,RAD-201086,CCL000890-X,RAD-201092,CCL000920-X,CCL000885-X,CCL000967-X,CCL000960-X,CCL000730-X,CCL000955-X,CCL000959-X,CCL000845-X,CCL000962-X,CCL000903-X,CCL000969-X,CCL00964-X,CCL000884-X,CCL000927-X,020399035FLE,CCL000970-X,CCL000925-X,020510359FLE,CCL000906-X,018765214FLE,CCL000968-X,018765132FLE,CCL000965-X,CCL000886-X,CCL000889-X,CCL000930-X,020510505FLE,CCL000904-X,018765134FLE,018765131FLE,020510503FLE,018765216FLE,CCL000929-X,018765133FLE,018765215FLE,CCL000932-X,018765135FLE,CCL000883-X,CCL000961-X,CCL000731-X,CCL000724-X,CCL000726-X,CCL000723-X,CCL000837-X,CCL000838-X,CCL000816-X,
February 19, 2025	415,158		201123,RAD-201140,RAD-201122,RAD-201121,RAD-201126,CCL003828-M,RAD-201120,RAD-201125,RAD-201136,CCL000978-X,020510580FLE,CCL000922-X,CCL000981-X,RAD-201116,CCL000979-X,CCL000986-X,CCL000989-X,020510574FLE,CCL000924-X,018765139FLE,CCL003830-M,CCL000984-X,020507105FLE,CCL000974-X,CCL000831-X,CCL000928-X,018765138FLE,CCL000988-X,CCL000975-X,020507106FLE,CCL000923-X,020510581FLE,CCL000977-X,CCL000973-X,020507103FLE,CCL000990-X,020507102FLE,CCL000982-X,CCL000985-X,020507104FLE,018765218FLE,CCL000840-X,CCL000921-X,CCL000980-X,018765137FLE,CCL000976-X,CCL000983-X,020510579FLE,CCL000987-X,CCL003831-M,018765217FLE,020479869FLE,018765140FLE,CCL003820-M,CCL003829-M,018765136FLE,CCL000972-X,CCL000971-X,CCL003833-M,020399036FLE,CCL000834-X,CCL000827-X,CCL000829-X,CCL000841-X,CCL000833-X,CCL000828-X,CCL000728-X,CCL000832-X,CCL000835-
February 20, 2025	393,566		201090,RAD-201094,RAD-201119,CCL003839-M,CCL000949-X,CCL000939-X,RAD-201138,CCL003834-M,020507155FLE,RAD-201139,CCL000997-X,CCL001032-X,CCL000948-X,CCL000935-X,CCL000940-X,CCL003840-M,CCL001028-X,CCL000947-X,CCL003836-M,CCL001030-X,CCL003501-M,CCL001027-X,CCL000945-X,018765143FLE,CCL000951-X,CCL000941-X,CCL003841-M,CCL000936-X,CCL000946-X,CCL003503-M,CCL001037-X,CCL001029-X,CCL000942-X,CCL000937-X,CCL000999-X,CCL000954-X,CCL003837-M,CCL000823-X,020507145FLE,020510508FLE,020507130FLE,CCL000943-X,CCL000952-X,018765142FLE,018765219FLE,CCL000934-X,CCL003838-M,CCL000933-X,018765220FLE,CCL000944-X,018765141FLE,017791074FLE,018765145FLE,CCL000996-X,CCL001038-X,020399038FLE,CCL001014-X,CCL003835-M,CCL001000-X,CCL000998-X,CCL001001-X,CCL000824-X,CCL001003-X,CCL001013-X,CCL000826-X,CCL000825-X,020399037FLE,018765144FLE,CCL001008-

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
February 21, 2025	319,573		[illegible],RAD-201157,RAD-201154,CCL001062-X,CCL001084-X,CCL001087-X,RAD-201155,RAD-201115,RAD-201089,CCL001063-X,CCL001089-X,CCL001081-X,RAD-201147,CCL001060-X,RAD-201111,CCL001034-X,CCL001033-X,CCL001066-X,CCL001082-X,CCL000993-X,CCL001035-X,020507307FLE,CCL001080-X,CCL001036-X,CCL003502-M,020507203FLE,CCL000992-X,CCL000950-X,CCL001078-X,CCL001011-X,018765148FLE,CCL001064-X,CCL001061-X,020507202FLE,020507157FLE,CCL001083-X,CCL001071-X,018765146FLE,020399039FLE,CCL001086-X,018765222FLE,018765221FLE,018765149FLE,CCL001085-X,CCL003504-M,020399040FLE,CCL001077-X,018765147FLE,CCL00994-X,CCL001075-X,CCL001076-X,CCL001009-X,CCL001012-X,CCL001074-X,CCL001002-X,CCL001079-X,
February 22, 2025	143,346		RAD-201158,RAD-201135,RAD-201134,CCL001068-X,CCL001041-X,CCL001065-X,CCL001070-X,CCL001090-X,020507327FLE,CCL001067-X,CCL001040-X,CCL003782-M,020507326FLE,CCL001069-X,CCL003534-M,CCL003541-M,CCL001093-X,CCL001044-X,CCL001042-X,CCL001091-X,CCL003543-M,CCL003535-M,CCL001043-X,CCL003533-M,CCL001039-X,CCL003542-M,
February 23, 2025	72,796		RAD-201144,RAD-201146,CCL001024-X,RAD-201145,CCL003538-M,CCL001015-X,CCL001023-X,CCL000938-X,CCL003537-M,CCL001022-X,CCL003536-M,020507401FLE,CCL001025-X,
February 24, 2025	392,341		[illegible],RAD-201143,RAD-201164,RAD-201179,4050-00009,4050-00007,4050-00019,4050-00016,CCL003505-M,4050-00006,4050-00017,RAD-201163,4050-00014,CCL003819-M,4050-00015,4050-00010,4050-00023,CCL001026-X,4050-00002,020507445FLE,CCL003539-M,CCL001092-X,CCL001018-X,4050-00018,020507409FLE,CCL001020-X,CCL003540-M,CCL001021-X,4050-00001,020507354FLE,CCL003506-M,4050-00013,CCL003508-M,4050-00003,4050-00024,CCL003781-M,CCL001016-X,4050-00011,CCL001019-X,CCL001058-X,4050-00005,4050-00008,CCL001006-X,CCL000995-X,018765151FLE,4050-00021,CCL000821-X,4050-00020,020507394FLE,4050-00012,4050-00004,CCL003842-M,CCL003507-M,4050-00022,CCL001017-X,017791090FLE,020399041FLE,020399042FLE,CCL003843-M,018765150FLE,CCL000822-X,CCL000991-X,CCL001072-X,CCL001073-X,CCL001007-X,CCL001010-X,CCL001059-X,CCL001004-X,CCL001005-
February 25, 2025	446,861		[illegible],RAD-201177,RAD-201159,RAD-201183,CCL000801-X,RAD-201176,RAD-201161,RAD-201169,4050-00046,RAD-201168,020507412FLE,4050-00030,4050-00025,4050-00049,4050-00050,4050-00034,4050-00027,CCL003854-M,4050-00026,4050-00047,4050-00040,4050-00032,020507410FLE,020507400FLE,4050-00033,CCL000803-X,4050-00042,CCL003855-M,CCL001048-X,017791075FLE,4050-00052,4050-00029,4050-00048,4050-00039,4050-00028,4050-00036,018765157FLE,CCL003846-M,020507447FLE,4050-00051,4050-00043,4050-00045,CCL001054-X,018765155FLE,4050-00044,4050-00054,020507402FLE,4050-00038,020507355FLE,018765158FLE,CCL003847-M,018765153FLE,020507492FLE,018765154FLE,018765224FLE,4050-00053,4050-00041,CCL003848-M,018765223FLE,4050-00035,CCL000800-X,CCL001057-X,CCL001046-X,018765152FLE,4050-00037,4050-00065,CCL001051-X,CCL001047-X,CCL001055-X,4050-00064,020399043FLE,CCL001056-X,CCL001050-X,4050-00031,4050-

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
February 26, 2025	336,661		RAD-201165,RAD-201200,RAD-201207,RAD-201196,RAD-201193,RAD-201170,RAD-201192,RAD-201171,RAD-201199,RAD-201173,RAD-201133,RAD-201184,RAD-201191,RAD-201197,4050-00077,RAD-201195,4050-00086,4050-00100,RAD-201198,4050-00059,4050-00076,4050-00083,4050-00079,4050-00058,4050-00066,4050-00082,4050-00080,4050-00074,020507461FLE,020507500FLE,020507462FLE,4050-00099,020507107FLE,4050-00084,4050-00081,018765161FLE,4050-00072,018765162FLE,018765165FLE,020507407FLE,4050-00085,4050-00056,4050-00055,4050-00071,018765159FLE,4050-00101,4050-00060,4050-00061,020399045FLE,020399044FLE,018765226FLE,018765163FLE,018765160FLE,018765225FLE,4050-00073,4050-00093,018765164FLE,4050-
February 27, 2025	249,333		RAD-201201,RAD-201190,RAD-201189,RAD-201188,4050-00096,RAD-201200,RAD-201187,4050-00102,RAD-201186,RAD-201153,RAD-201152,4050-00091,RAD-201202,4050-00114,4050-00106,4050-00092,4050-00121,4050-00104,4050-00120,4050-00090,CCL003521-M,4050-00087,4050-00094,CCL003851-M,4050-00105,4050-00098,4050-00089,4050-00095,4050-00088,4050-00103,CCL003895-M,CCL003853-M,018765167FLE,018765168FLE,CCL003852-M,020399046FLE,4050-00097,018765228FLE,CCL003850-M,4050-00123,4050-00107,018765169FLE,018765227FLE,018765170FLE,4050-00108,
February 28, 2025	271,245		RAD-201150,RAD-201194,RAD-201149,RAD-201148,RAD-201203,RAD-201209,RAD-201204,RAD-201208,4050-00136,4050-00127,RAD-201165,4050-00109,4050-00124,4050-00122,4050-00125,4050-00113,4050-00128,RAD-201167,RAD-201205,4050-00132,4050-00115,RAD-201151,4050-00112,4050-00135,4050-00133,4050-00145,4050-00130,4050-00131,4050-00141,4050-00116,018765171FLE,4050-00142,CCL003890-M,4050-00149,4050-00134,CCL003893-M,4050-00129,4050-00126,4050-00117,4050-00119,CCL003891-M,CCL003520-M,017791091FLE,CCL003894-M,018765172FLE,4050-00111,CCL003892-
February 2025 Total =	7,878,717	-	

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
March 2025			
March 1, 2025	90,897		4050-00151,4050-00150,CCL003887-M,CCL003888-M,CCL003889-M,4050-00140,RAD-201213,RAD-201212,RAD-201211,4050-00139,4050-00137,RAD-201210,4050-00146,4050-00147,4050-00143,4050-00144,
March 2, 2025	54,821		CCL003897-M,4050-00153,CCL003896-M,RAD-201216,CCL003882-M,CCL003883-M,4050-00152,4050-00148,CCL003884-M,RAD-201215,
March 3, 2025	265,257		M,4050-00189,4050-00190,4050-00188,4050-00205,4050-00195,4050-00194,CCL003901-M,4050-00193,CCL003886-M,4050-00192,4050-00191,4050-00186,4050-00184,CCL003900-M,4050-00185,RAD-201245,4050-00183,4050-00182,4050-00181,4050-00179,4050-00178,CCL003899-M,RAD-201246,RAD-201247,4050-00177,4050-
March 4, 2025	323,930		018765183FLE,018765182FLE,018765181FLE,018765180FLE,018765179FLE,018765178FLE,018765177FLE,RAD-201229,4050-00300,4050-00229,4050-00228,4050-00227,4050-00226,RAD-201249,4050-00225,RAD-201221,4050-00302,4050-00206,4050-00220,4050-00219,RAD-201250,RAD-201233,4050-00215,4050-00216,RAD-201234,4050-00171,4050-00196,RAD-201252,4050-00197,CCL003907-M,CCL003905-M,CCL003904-M,4050-00198,RAD-201253,4050-00180,RAD-201254,4050-00199,CCL003903-M,RAD-201236,RAD-201235,4050-00200,4050-00201,RAD-201239,RAD-201238,RAD-201237,CCL003906-M,4050-00208,RAD-201240,4050-00207,RAD-201241,RAD-201242,4050-00202,RAD-201243,4050-00203,RAD-201244,4050-00187,4050-
March 5, 2025	250,811		018765188FLE,018765187FLE,018765186FLE,018765185FLE,018765184FLE,4050-00314,RAD-201225,4050-00303,4050-00316,4050-00313,CCL003928-M,4050-00210,4050-00315,CCL003929-M,CCL003930-M,4050-00312,RAD-201226,4050-00311,4050-00310,4050-00309,RAD-201227,4050-00308,4050-00307,4050-00306,4050-00305,4050-00304,RAD-201230,4050-00212,RAD-201231,4050-00211,4050-00213,RAD-201232,4050-00214,4050-00217,4050-00218,RAD-201251,4050-00224,4050-00222,4050-00223,RAD-201228,4050-00221,4050-00165,4050-
March 6, 2025	339,507		018765194FLE,018765193FLE,018765192FLE,018765191FLE,018765190FLE,018765189FLE,CCL004518-A,CCL004517-A,CCL004519-A,CCL004520-A,CCL003913-M,CCL004521-A,CCL004522-A,CCL004523-A,CCL004529-A,CCL004528-A,CCL004530-A,RAD-201275,CCL003912-M,CCL004513-A,CCL003911-M,RAD-201276,CCL004514-A,RAD-201255,RAD-201268,CCL004507-A,CCL004515-A,CCL003910-M,CCL004508-A,CCL004505-A,CCL003923-M,CCL003924-M,CCL003922-M,RAD-201256,CCL003909-M,CCL004506-A,RAD-201257,CCL004504-A,RAD-201258,RAD-201269,CCL003925-M,CCL004502-A,CCL004503-A,CCL004509-A,CCL004510-A,RAD-201270,RAD-201271,CCL004512-A,RAD-201272,CCL004511-A,RAD-201264,4050-00340,RAD-201222,4050-00321,4050-00320,CCL003908-M,RAD-201223,4050-00319,CCL003926-M,4050-00318,RAD-201224,4050-00317,CCL003927-M,
March 7, 2025	287,283		018765199FLE,018765198FLE,018765197FLE,018765196FLE,018765195FLE,018765194FLE,018765193FLE,CCL003914-M,CCL004564-A,CCL004563-A,CCL004541-A,CCL004562-A,CCL003881-M,CCL004561-A,CCL004560-A,CCL004559-A,CCL004558-A,CCL004557-A,CCL004556-A,CCL004555-A,CCL004554-A,RAD-201280,RAD-201279,CCL004540-A,CCL004542-A,CCL003920-M,CCL003919-M,RAD-201214,CCL004543-A,CCL003918-M,CCL003917-M,CCL004525-A,CCL004526-A,RAD-201267,RAD-201261,RAD-201260,CCL004545-A,CCL004527-A,CCL004544-A,CCL004546-A,CCL004547-A,RAD-201259,CCL003916-M,CCL004548-A,RAD-201273,RAD-201274,CCL004549-A,CCL004550-A,CCL004551-A,CCL004552-
March 8, 2025	115,069		CCL004592-A,CCL004593-A,CCL003509-M,CCL004594-A,CCL004595-A,RAD-201288,CCL004575-A,CCL004574-A,RAD-201263,RAD-201266,CCL004573-A,CCL004572-A,CCL004571-A,CCL004570-A,CCL003880-M,CCL004568-A,RAD-201265,CCL004567-A,RAD-
March 9, 2025	71,596		RAD-201284,CCL004606-A,CCL004607-A,CCL003515-M,CCL004608-A,RAD-201283,CCL004587-A,CCL003514-M,CCL003513-M,CCL004588-A,CCL004589-A,CCL004569-A,CCL004590-A,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
March 10, 2025	298,312		M,CCL004536-A,CCL004537-A,RAD-201302,CCL004538-A,CCL004539-A,CCL004609-A,CCL004610-A,CCL004611-A,CCL004612-A,CCL004613-A,CCL004614-A,RAD-201303,CCL004615-A,CCL004576-A,RAD-201304,CCL004524-A,CCL003875-M,RAD-201305,CCL004577-A,CCL004582-A,CCL004578-A,CCL004579-A,CCL003519-M,CCL003511-M,CCL003518-M,CCL004580-A,RAD-201306,CCL004583-A,CCL004581-A,RAD-201278,CCL003510-M,CCL004584-A,CCL004585-A,CCL003517-M,CCL004586-A,CCL004597-A,CCL004596-A,RAD-201277,CCL004598-A,RAD-201262,RAD-201282,CCL004600-A,RAD-201287,CCL004599-A,CCL004601-A,CCL003512-M,CCL004602-A,CCL004603-A,CCL004604-A,CCL004605-A,
March 11, 2025	298,179		A,CCL004628-A,CCL004632-A,CCL004633-A,CCL004634-A,CCL004635-A,CCL004636-A,CCL004637-A,CCL004638-A,CCL004639-A,RAD-201319,CCL004640-A,CCL004641-A,CCL004642-A,CCL004645-A,RAD-201324,CCL004643-A,CCL004644-A,CCL004646-A,CCL004647-A,CCL004648-A,CCL004649-A,CCL004650-A,CCL004651-A,CCL004652-A,CCL004655-A,RAD-201290,CCL004656-A,RAD-201289,CCL004657-A,RAD-201295,RAD-201296,RAD-201297,CCL004653-A,CCL004658-A,CCL004654-A,RAD-201298,CCL004659-A,RAD-201299,CCL004660-A,CCL004662-A,CCL004661-A,CCL004663-A,CCL004531-A,CCL004532-A,CCL004533-A,RAD-201300,CCL004534-A,CCL004535-A,RAD-201301,
March 12, 2025	321,897		LE,018765208FLE,018765207FLE,CCL003932-M,CCL004687-A,CCL003931-M,CCL004686-A,CCL004685-A,RAD-201329,CCL004684-A,CCL004683-A,CCL004681-A,CCL004680-A,CCL004679-A,CCL003921-M,CCL003879-M,RAD-201328,RAD-201314,CCL003938-M,RAD-201286,CCL004622-A,RAD-201285,RAD-201307,CCL003937-M,CCL003936-M,CCL004678-A,CCL003935-M,CCL004675-A,CCL004677-A,RAD-201294,CCL004676-A,CCL004616-A,CCL004617-A,RAD-201293,CCL004618-A,CCL004619-A,RAD-201292,RAD-201316,CCL004620-A,RAD-201315,RAD-201323,RAD-201317,RAD-201320,RAD-201321,CCL004621-A,RAD-201322,CCL004623-A,CCL004624-A,CCL004625-A,CCL004626-A,CCL004627-A,CCL004631-
March 13, 2025	286,413		LE,CCL004706-A,CCL004741-A,CCL004707-A,CCL004708-A,CCL004709-A,CCL004733-A,CCL004740-A,CCL004738-A,CCL004736-A,CCL004735-A,CCL004724-A,CCL004734-A,RAD-201334,RAD-201335,CCL004732-A,CCL004731-A,CCL004729-A,RAD-201336,RAD-201337,CCL004728-A,CCL004730-A,RAD-201339,CCL004667-A,CCL004727-A,CCL003958-M,RAD-201338,CCL004726-A,CCL003957-M,CCL003956-M,CCL003878-M,CCL003934-M,CCL003933-M,CCL003876-M,CCL004725-A,RAD-201313,RAD-201308,CCL004690-A,CCL004723-A,CCL004722-A,RAD-201332,RAD-201325,CCL004689-A,RAD-201331,CCL004688-A,CCL004668-A,RAD-201330,CCL003877-M,
March 14, 2025	238,193		LE,CCL004695-A,CCL004693-A,CCL004694-A,CCL004696-A,CCL004697-
March 15, 2025	65,820		CCL004745-A,CCL004744-A,CCL004742-A,CCL004665-A,CCL004664-A,CCL004673-A,CCL004672-A,CCL004674-A,CCL004671-A,CCL004670-A,CCL004669-A,CCL004691-A,
March 16, 2025	100,213		A,CCL004751-A,CCL004752-A,CCL003960-M,RAD-201351,RAD-
March 17, 2025	295,676		LE,CCL003966-M,CCL003885-M,CCL004794-A,CCL004796-A,CCL004797-

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
March 18, 2025	327,985		LE,018765407FLE,017791100FLE,017791099FLE,CCL004862-A,CCL004859-A,CCL004863-A,CCL004864-A,CCL004865-A,CCL004887-A,CCL004826-A,CCL004825-A,CCL004824-A,RAD-201369,CCL004820-A,RAD-201370,CCL004807-A,RAD-201371,RAD-201372,RAD-201373,CCL004823-A,CCL004822-A,RAD-201381,CCL004851-A,CCL004821-A,CCL004850-A,CCL004849-A,CCL004848-A,RAD-201375,RAD-201377,RAD-201376,RAD-201378,RAD-201379,CCL004847-A,RAD-201380,CCL004844-A,RAD-201374,CCL004846-A,CCL004845-A,RAD-201357,RAD-201358,CCL004843-A,RAD-201359,CCL004842-A,RAD-201360,CCL004841-A,CCL004840-A,CCL004839-A,CCL004790-A,CCL004838-A,CCL004791-A,CCL004792-A,RAD-201361,CCL004793-
March 19, 2025	269,315		LE,018765409FLE,RAD-201385,CCL004829-A,CCL004828-A,CCL004827-
March 20, 2025	353,983		LE,017791076FLE,018765231FLE,018765105FLE,CCL003940-M,RAD-201401,CCL004900-A,CCL004901-A,CCL004902-A,CCL004903-A,CCL004905-A,CCL004906-A,CCL004009-M,CCL004008-M,CCL004907-A,CCL004908-A,CCL004909-A,RAD-201400,CCL004910-A,CCL004911-A,RAD-201403,RAD-201402,CCL004914-A,RAD-201404,CCL004913-A,CCL004007-M,CCL004006-M,CCL004003-M,CCL004005-M,RAD-201405,CCL004004-M,RAD-201406,CCL004912-A,RAD-201408,RAD-201407,CCL004915-A,CCL004916-A,CCL004917-A,RAD-201390,CCL004918-A,CCL004002-M,CCL004001-M,RAD-201391,CCL004835-A,RAD-201389,CCL004919-A,RAD-201388,CCL003939-M,CCL004836-A,RAD-201383,CCL004834-A,CCL003944-M,CCL004832-A,CCL003970-M,CCL004833-A,RAD-
March 21, 2025	276,703		A,018765462FLE,018765461FLE,018765358FLE,018765357FLE,018765234FLE,018765233FLE,018765232FLE,018765330FLE,018765412FLE,018765411FLE,CCL004771-A,CCL004773-A,CCL004774-A,CCL004775-A,CCL004777-A,CCL004778-A,CCL004779-A,CCL004780-A,CCL004782-A,CCL004781-A,CCL004783-A,CCL004784-A,CCL004785-A,RAD-201393,CCL004786-A,CCL004787-A,RAD-201394,CCL004788-A,RAD-201395,CCL004789-A,CCL004837-A,CCL004888-A,CCL004889-A,RAD-201366,CCL004010-M,CCL004890-A,CCL004891-A,RAD-201396,CCL004892-A,CCL004893-A,CCL004894-A,RAD-201397,CCL004895-A,CCL004904-A,RAD-201399,CCL004896-A,CCL004897-A,CCL004898-A,CCL004899-A,RAD-201398,
March 22, 2025	83,486		CCL004765-A,017791077FLE,CCL004929-A,RAD-201392,RAD-201410,CCL004922-A,CCL004923-A,CCL004920-A,CCL004924-A,CCL004766-A,CCL004767-A,CCL004768-A,RAD-201409,CCL004769-
March 23, 2025	88,965		201412,CCL004945-A,CCL004944-A,CCL004925-A,CCL004013-M,CCL004012-M,CCL004011-M,CCL004926-A,CCL004776-A,RAD-
March 24, 2025	299,816		LE,018765413FLE,CCL004931-A,CCL004935-A,CCL004932-A,CCL004942-A,CCL004941-A,RAD-201432,CCL004940-A,CCL004930-A,CCL004939-A,CCL004936-A,CCL004949-A,CCL004955-A,RAD-201433,CCL004938-A,CCL004020-M,RAD-201414,RAD-201437,CCL004937-A,CCL004943-A,RAD-201434,RAD-201435,CCL004950-A,CCL004951-A,CCL004952-A,CCL004953-A,RAD-201436,CCL004954-A,CCL004018-M,CCL004017-M,CCL004956-A,CCL004957-A,CCL004958-A,CCL004959-A,CCL004016-M,RAD-201419,CCL004960-A,CCL004961-A,CCL004962-A,CCL004963-A,RAD-201418,CCL004964-A,RAD-201417,CCL004965-A,CCL004015-M,CCL004966-A,CCL004967-A,RAD-201416,CCL004948-A,

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
March 25, 2025	330,481		LE,018765415FLE,017791078FLE,018765235FLE,CCL005018-A,CCL005017-A,CCL005016-A,CCL005015-A,CCL005014-A,CCL005013-A,CCL005012-A,CCL005035-A,CCL005009-A,CCL005011-A,CCL005010-A,RAD-201449,RAD-201450,CCL005008-A,CCL005006-A,RAD-201451,CCL005005-A,RAD-201452,CCL005043-A,RAD-201453,CCL005004-A,CCL005003-A,CCL005002-A,CCL005046-A,CCL005047-A,CCL005045-A,RAD-201454,CCL005044-A,RAD-201455,CCL005042-A,CCL005041-A,RAD-201429,CCL005040-A,CCL005039-A,RAD-201430,CCL005038-A,CCL005037-A,CCL005036-A,RAD-201446,CCL005034-A,RAD-201447,CCL005001-A,RAD-201448,CCL005000-A,CCL005033-A,CCL005032-A,CCL005031-
March 26, 2025	253,146		LE,018765417FLE,CCL005064-A,CCL005063-A,RAD-201471,CCL005062-
March 27, 2025	326,646		LE,018765419FLE,018765236FLE,RAD-201461,CCL004985-A,CCL004921-A,CCL004982-A,CCL003948-M,CCL003947-M,CCL004981-A,CCL004980-A,CCL004979-A,CCL004978-A,RAD-201457,CCL004977-A,CCL004976-A,CCL004023-M,RAD-201458,RAD-201460,RAD-201459,CCL004022-M,RAD-201462,RAD-201463,RAD-201465,CCL004973-A,CCL004972-A,CCL004971-A,CCL004021-M,CCL005029-A,CCL004970-A,CCL004969-A,CCL004968-A,CCL005030-A,CCL005080-A,CCL004019-M,CCL005079-A,RAD-201464,CCL005077-A,CCL005078-A,CCL005076-A,RAD-201466,CCL005075-A,CCL005074-A,RAD-201467,CCL005073-A,CCL005072-A,CCL005071-A,CCL005070-A,RAD-201468,RAD-201469,CCL005049-A,CCL005069-A,CCL005068-A,CCL005067-A,RAD-
March 28, 2025	297,273		LE,018765331FLE,018765423FLE,018765422FLE,018765421FLE,018765420FLE,017791079FLE,CCL005091-A,CCL005089-A,CCL005088-A,CCL005090-A,CCL005092-A,CCL004997-A,CCL004996-A,CCL003859-M,CCL003858-M,CCL004995-A,RAD-201482,CCL005094-A,CCL005097-A,RAD-201486,RAD-201485,CCL005096-A,CCL003857-M,CCL004994-A,CCL004993-A,CCL003856-M,CCL004992-A,RAD-201422,CCL004991-A,CCL003955-M,CCL003954-M,CCL005081-A,CCL004975-A,CCL003953-M,CCL004974-A,CCL003952-M,CCL004990-A,CCL004989-A,CCL004988-A,CCL004987-A,CCL003951-M,CCL004986-A,RAD-201423,RAD-201439,RAD-201438,CCL003950-M,RAD-201456,CCL003945-
March 29, 2025	94,064		CCL005155-A,CCL003863-M,CCL005157-A,CCL005099-A,CCL005098-A,CCL005093-A,CCL005095-A,CCL005082-A,CCL005083-A,CCL005084-A,CCL003862-M,RAD-201481,CCL003860-M,CCL005085-A,CCL003861-M,CCL005086-A,CCL005087-A,
March 30, 2025	74,751		CCL005149-A,CCL005150-A,CCL003864-M,CCL005128-A,CCL005151-A,CCL005152-A,RAD-201489,RAD-201421,RAD-201483,CCL005153-A,RAD-201480,RAD-201484,CCL005154-A,
March 31, 2025	267,207		LE,018765335FLE,018765334FLE,CCL005120-A,CCL005134-A,CCL005121-A,CCL005130-A,CCL005129-A,RAD-201499,CCL005131-A,CCL005132-A,RAD-201501,CCL005133-A,CCL003867-M,CCL005135-A,CCL005100-A,CCL005101-A,CCL005102-A,CCL005103-A,RAD-201505,CCL005104-A,CCL005105-A,RAD-201506,CCL003866-M,CCL005106-A,CCL005143-A,CCL005142-A,CCL005141-A,CCL003865-M,CCL005140-A,RAD-201507,CCL005139-A,RAD-201497,CCL005138-A,CCL005137-A,CCL005136-A,CCL005156-A,CCL005144-A,CCL005145-A,CCL005146-A,CCL005147-A,RAD-201498,RAD-201488,CCL005148-A,
March Total	**7,047,695**	**-**	
First Quarter 2025 Total	**22,995,300**	**30,719**	

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
2025 Year to date Total	22,995,300	30,719	
3 Month Average=	7,665,100	10,240	
Forecasted 12 month total	91,981,200	122,877	

CHIQUITA CANYON
a Waste Connections company

June 15, 2025

Mr. Enrique Casas
California Regional Water Quality Control Board
320 West 4th Street
Los Angeles, California 90013

Subject: **Second Quarter 2025 Solid Waste Disposal Report**
Chiquita Canyon Landfill (File No. 67-20)
Los Angeles County, California

Dear Mr. Casas:

This is the Second Quarter 2025 Solid Waste Disposal Report for the Chiquita Canyon Landfill. This report is required by Monitoring and Reporting Program No. CI-6231 dated December 13, 2018, and Waste Discharge Requirements Order No. R4-2018-0172 File No. 67-020 adopted December 13, 2018. This report covers the period from April-June 2025.

A point-by-point discussion of reporting requirements follows:

1. The reports to the Regional Board shall include a map of the site, and shall indicate the area(s) where disposal is taking place or will begin. This map shall be updated quarterly and summarized and submitted with the annual report due February 15 of each year. If a new area is landfilled, it shall be identified in the corresponding quarterly report.

As the Water Board is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste. Enclosed, as Attachment 1 is a drawing showing the locations where CCL disposed of the internally generated waste during the Second Quarter 2025.

2. A tabular list of the estimated average monthly quantities and types of materials deposited each month.

As discussed above, the Landfill is now closed to the acceptance of waste.

3. An estimate of remaining capacity (in cubic yards and tons), and the remaining life of the site in years and months.

As discussed above, the Landfill is now closed to the acceptance of waste.

4. A certification that all wastes deposited were deposited in compliance with the Board's requirements, and that no waste was deposited outside the boundaries of the waste management facility as specified in the Board requirements.

During the reporting period, the site was operated in compliance with the Board's requirements and no wastes were deposited outside the boundary of the waste management unit.

5. A description of the location and an estimate of the seepage rate or flow of all known seeps and springs at the site.

No water seeps or springs were discovered during visual monitoring of the landfill conducted in April, May and June 2025.

6. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control, etc. (If a source other than potable waste is used, the sources and amounts of water from each source shall also be reported).

During the reporting period, approximately 2,825,340 gallons of water were used for dust control, irrigation, and site operation construction. Water was obtained from Newhall Land and Farming Company from an irrigation line located south of the site near Highway 126.

7. Quantities of liquid pumped from the leachate monitoring sumps and/or extraction wells, including dates of removal, and the ultimate disposition (dust control, returned to landfill, disposal). If no liquid was detected or pumped during the reporting period, a statement to that effect shall be submitted.

Information on quantities of leachate pumped and disposed during the reporting period is enclosed as Attachment 3.

8. The discharger shall report all unacceptable (to this site) wastes inadvertently received at this site and their disposition. The following details shall be included:

a. **The source (if known), including the hauler, of the unacceptable wastes and date received and/or discovered.**
b. **Identification of waste (if known) and the amount of waste.**
c. **The name and address of the hauler who removed the waste from the site.**
d. **The ultimate point of disposal for the waste.**
e. **The discharger's actions to prevent recurrence of the attempted depositing of unacceptable wastes by this source or individual (if applicable). If no unacceptable wastes were received (or discovered) during the month, the report shall so state.**

As discussed above, the Landfill is now closed to the acceptance of waste. Only a small amount of internally generated waste is disposed of at the Landfill, which does not include any unacceptable waste. All internal waste is checked before disposal.

If you should have any questions regarding this report, please do not hesitate to contact me at (661) 257-3655.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on the 15th day of July, 2025.

Please do not hesitate to contact me at with any questions regarding the above responses.

Sincerely,

CHIQUITA CANYON LANDFILL

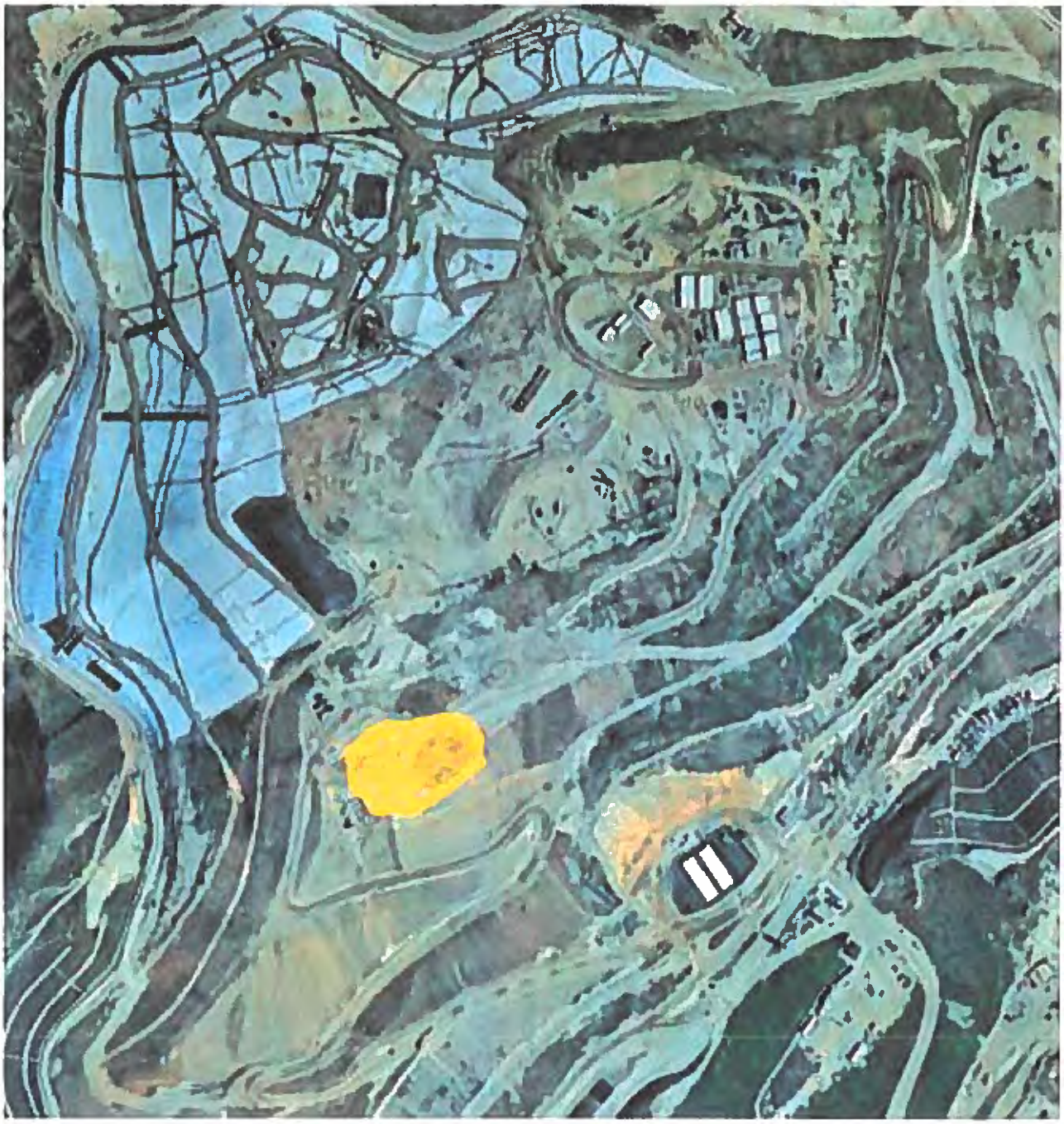
Nicole Ward
Assistant District Manager

Chiquita Canyon Landfill

Attachments: Attachment 1 – Disposal Area Plan
Attachment 2 – Tonnage / Load Reports
Attachment 3 – Leachate Disposal

Attachment 1

Disposal Area Plan



Attachment 2

Tonnage / Load Reports

CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR April 2025

DATE		Inbound Material																												Total Daily Inbound	
		Disposal											Diversion														Soil					
		Transfer Trailer Waste	Lds	Residential	Lds	Commercial	Lds	General Public	Lds	Trash Total	Lds	Weekly	Shredded Green Waste → Erosion Control	Lds	MRF Fines → Protective Cover	Lds	Shredded Green Waste → ADC	Lds	TASW→ ADC	Lds	Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control	Lds	C&D	Lds	Total, tons	Total, loads	Contaminated Soil→Various Uses	Lds	Clean Soil→Various Uses	Lds	Tons	Loads
	SUN									-	0														-	-					-	0
	MON									-	0														-	-					-	0
4/1/2025	TUE					2.10	2			2.10	2														-	-					2.10	2
4/2/2025	WED									-	0														-	-					-	0
4/3/2025	THU					12.01	1			12.01	1														-	-					12.01	1
4/4/2025	FRI					50.13	6			50.13	6														-	-					50.13	6
4/5/2025	SAT									-	0	64													-	-					-	0
4/6/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
4/7/2025	MON					14.99	4			14.99	4														-	-					14.99	4
4/8/2025	TUE									-	0														-	-					-	0
4/9/2025	WED									-	0														-	-					-	0
4/10/2025	THU					1.18	1			1.18	1														-	-					1.18	1
4/11/2025	FRI					1.69	1			1.69	1														-	-					1.69	1
4/12/2025	SAT									-	0	18													-	-					-	0
4/13/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
4/14/2025	MON					48.97	6			48.97	6														-	-					48.97	6
4/15/2025	TUE					11.88	3			11.88	3														-	-					11.88	3
4/16/2025	WED									-	0														-	-					-	0
4/17/2025	THU									-	0														-	-					-	0
4/18/2025	FRI									-	0														-	-					-	0
4/19/2025	SAT									-	0	61													-	-					-	0
4/20/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
4/21/2025	MON					3.20	3			3.20	3														-	-					3.20	3
4/22/2025	TUE									-	0														-	-					-	0
4/23/2025	WED									-	0														-	-					-	0
4/24/2025	THU									-	0														-	-					-	0
4/25/2025	FRI									-	0														-	-					-	0
4/26/2025	SAT									-	0	3													-	-					-	0
4/27/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
4/28/2025	MON									-	0														-	-					-	0
4/29/2025	TUE									-	0														-	-					-	0
4/30/2025	WED					3.74	3			3.74	3														-	-					3.74	3
	THU									-	0														-	-					-	0
	FRI									-	0														-	-					-	0
	SAT									-	0	4													-	-					-	0
	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
	MON									-	0	0													-	-					-	0
TOTAL		-	-	-	-	149.89	30	-	-	149.89	30		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149.89	30

Monthly Totals

Water Used for Dust Control & Irrigation, gallons	**742,896**
Disposal, tons	**150**
Diversion, tons	**-**
Soils, tons	**-**
Total	**150**

CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR May 2025

DATE		Inbound Material																												Total Daily Inbound	
		Disposal											Diversion														Soil						
		Transfer Trailer Waste	Lds	Residential	Lds	Commercial	Lds	General Public	Lds	Trash Total	Lds	Weekly	Shredded Green Waste → Erosion Control	Lds	MRF Fines → Protective Cover	Lds	Shredded Green Waste → ADC	Lds	TASW→ ADC	Lds	Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control	Lds	C&D	Lds	Total, tons	Total, loads	Contaminated Soil→Various Uses	Lds	Clean Soil→Various Uses	Lds	Tons	Loads
	SUN									-	0														-	-					-	0
	MON									-	0														-	-					-	0
	TUE									-	0														-	-					-	0
	WED									-	0														-	-					-	0
5/1/2025	THU									-	0														-	-					-	0
5/2/2025	FRI									-	0														-	-					-	0
5/3/2025	SAT									-	0	0													-	-					-	0
5/4/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
5/5/2025	MON									-	0														-	-					-	0
5/6/2025	TUE					49.92				49.92	0														-	-					49.92	0
5/7/2025	WED					53.22				53.22	0														-	-					53.22	0
5/8/2025	THU									-	0														-	-					-	0
5/9/2025	FRI					3.34				3.34	0														-	-					3.34	0
5/10/2025	SAT									-	0	106													-	-					-	0
5/11/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
5/12/2025	MON									-	0														-	-					-	0
5/13/2025	TUE									-	0														-	-					-	0
5/14/2025	WED									-	0														-	-					-	0
5/15/2025	THU									-	0														-	-					-	0
5/16/2025	FRI					3.49				3.49	0														-	-					3.49	0
5/17/2025	SAT									-	0	3													-	-					-	0
5/18/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
5/19/2025	MON									-	0														-	-					-	0
5/20/2025	TUE									-	0														-	-					-	0
5/21/2025	WED					50.59				50.59	0														-	-					50.59	0
5/22/2025	THU					50.58				50.58	0														-	-					50.58	0
5/23/2025	FRI					22.80				22.80	0														-	-					22.80	0
5/24/2025	SAT									-	0	124													-	-					-	0
5/25/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
5/26/2025	MON									-	0														-	-					-	0
5/27/2025	TUE					26.17				26.17	0														-	-					26.17	0
5/28/2025	WED									-	0														-	-					-	0
5/29/2025	THU									-	0														-	-					-	0
5/30/2025	FRI									-	0														-	-					-	0
5/31/2025	SAT					52.83				52.83	0	79													-	-					52.83	0
	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
	MON									-	0	0													-	-					-	0
TOTAL		-	-	-	-	312.94	-	-	-	312.94	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	312.94	-

Monthly Totals

Water Used for Dust Control & Irrigation, gallons	**990,444**
Disposal, tons	**313**
Diversion, tons	**-**
Soils, tons	**-**
Total	**313**

CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR 2025

DATE		Inbound Material																										Total Daily Inbound	
		Disposal											Diversion													Soil					
		Transfer Trailer Waste	Lds	Residential	Lds	Commercial	Lds	General Public	Lds	Trash Total	Lds	Weekly	Shredded Green Waste → Erosion Control	Lds	MRF Fines → Protective Cover	Lds	Shredded Green Waste → ADC	Lds	TASW→ ADC	Lds	Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control	Lds	C&D	Lds	Total, tons	Total, loads	Contaminated Soil→Various Uses	Lds	Clean Soil→Various Uses	Lds	Tons	Loads
6/1/2025	SUN									-	0														-	-					-	0
6/2/2025	MON									-	0														-	-					-	0
6/3/2025	TUE					40.75	4			40.75	4														-	-					40.75	4
6/4/2025	WED					30.04	3			30.04	3														-	-					30.04	3
6/5/2025	THU					4.91	3			4.91	3														-	-					4.91	3
6/6/2025	FRI									-	0														-	-					-	0
6/7/2025	SAT									-	0	76													-	-					-	0
6/8/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
6/9/2025	MON									-	0														-	-					-	0
6/10/2025	TUE									-	0														-	-					-	0
6/11/2025	WED					39.05	4			39.05	4														-	-					39.05	4
6/12/2025	THU					42.34	4			42.34	4														-	-					42.34	4
6/13/2025	FRI					25.86	4			25.86	4														-	-					25.86	4
6/14/2025	SAT									-	0	107													-	-					-	0
6/15/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
6/16/2025	MON									-	0														-	-					-	0
6/17/2025	TUE					41.29	4			41.29	4														-	-					41.29	4
6/18/2025	WED					54.44	5			54.44	5														-	-					54.44	5
6/19/2025	THU									-	0														-	-					-	0
6/20/2025	FRI					3.67	2			3.67	2														-	-					3.67	2
6/21/2025	SAT									-	0	99													-	-					-	0
6/22/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
6/23/2025	MON					1.24	1			1.24	1														-	-					1.24	1
6/24/2025	TUE					8.78	1			8.78	1														-	-					8.78	1
6/25/2025	WED									-	0														-	-					-	0
6/26/2025	THU					2.69	2			2.69	2														-	-					2.69	2
6/27/2025	FRI									-	0														-	-					-	0
6/28/2025	SAT									-	0	13													-	-					-	0
6/29/2025	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
6/30/2025	MON									-	0														-	-					-	0
	TUE					29.17	3			29.17	3														-	-					29.17	3
	WED									-	0														-	-					-	0
	THU									-	0														-	-					-	0
	FRI									-	0														-	-					-	0
	SAT									-	0	29													-	-					-	0
	SUN	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~		~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~			~~~	~~~	~~~	~~~	~~~	~~~
	MON									-	0	0													-	-					-	0
TOTAL		-	-	-	-	324.23	40	-	-	324.23	40		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	324.23	40

Monthly Totals

Water Used for Dust Control & Irrigation, gallons	**1,092,000**
Disposal, tons	**324**
Diversion, tons	**-**
Soils, tons	**-**
Total	**324**

Attachment 3

Leachate Disposal

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
April			
April 1, 2025	331,179		CCL005116-A, CCL005114-A, RAD-201515, CCL005112-A, CCL005111-A,
April 2, 2025	294,795		RAD-201517, CCL005198-A, CCL005199-A, CCL005197-A, RAD-201516, CCL005200-A, CCL003974-M, CCL005201-A, RAD-201511, CCL005202-A, CCL005203-A, CCL005204-A, CCL005205-A, RAD-201510, CCL005206-A, CCL005213-A, RAD-201509, CCL003975-M, CCL003976-M, RAD-201495, CCL003977-M, CCL005207-A, CCL003979-M, CCL005208-A, CCL000802-X, RAD-201494, CCL005209-A, RAD-201493, CCL005210-A, CCL000813-X, CCL005211-A, CCL005212-A, CCL005170-A, CCL003980-M, CCL005171-A, CCL005173-A, CCL005172-A, RAD-201492, CCL005174-A, CCL005175-A, CCL005176-A, CCL003993-M, CCL005177-A, 018765239FLE, 018765389FLE, 018765390FLE, 018765391FLE, 018765392FLE
April 3, 2025	361,247		CCL005159-A, CCL005180-A, CCL005160-A, CCL005161-A, RAD-201490, RAD-201491, RAD-201487, CCL005162-A, RAD-201420, CCL005163-A, CCL005165-A, CCL005164-A, RAD-201415, CCL005166-A, CCL005167-A, RAD-201476, CCL003992-M, RAD-201475, RAD-201474, RAD-201473, CCL003991-M, CCL005168-A, CCL005169-A, CCL000812-X, CCL003990-M, CCL005229-A, CCL000811-X, CCL005230-A, CCL003989-M, RAD-201477, CCL005231-A, CCL005233-A, RAD-201531, RAD-201478, RAD-201479, CCL005125-A, CCL005234-A, RAD-201529, RAD-201528, RAD-201526, CCL005236-A, CCL005237-A, CCL005239-A, CCL005238-A, CCL005240-A, CCL005241-A, CCL005247-A, RAD-201527, CCL005248-A, CCL005249-A, CCL005250-A, 018765336FLE, 018765240FLE, 018765241FLE, 018765393FLE, 018765394FLE, 018765395FLE, 018765396FLE, 018765463FLE, 018765464FLE
April 4, 2025	280,488		CCL005235-A, CCL005228-A, RAD-201525, CCL005227-A, RAD-201532, CCL005226-A, RAD-201533, RAD-201534, CCL005225-A, RAD-201535, CCL005224-A, CCL005223-A, CCL005222-A, CCL005220-A, CCL005219-A, CCL005218-A, RAD-201536, CCL005217-A, RAD-201537, CCL003988-M, CCL005216-A, CCL005215-A, RAD-201538, CCL005214-A, CCL005252-A, CCL005253-A, CCL005254-A, CCL005255-A, CCL005259-A, CCL005257-A, CCL005258-A, CCL005292-A, CCL005293-A, CCL005256-A, CCL005294-A, CCL005295-A, CCL005296-A, CCL005221-A, CCL005297-A, CCL005298-A, CCL005299-A, 018765425FLE, 018765337FLE, 017791081FLE, 018765465FLE, 018765466FLE
April 5, 2025	127,074		CCL003987-M, CCL005301-A, RAD-201546, CCL005277-A, CCL003986-M, RAD-201545, CCL003985-M, CCL003984-M, CCL005290-A, RAD-201539, CCL005291-A, CCL005276-A, RAD-201540, CCL005288-A, CCL005287-A, CCL005286-A, CCL005285-A, RAD-201541, CCL003983-M, CCL005283-A, CCL003982-M, CCL005289-A
April 6, 2025	67,699		CCL005278-A, RAD-201551, RAD-201549, CCL005282-A, CCL005275-A, CCL005274-A, CCL005273-A, CCL005271-A, CCL005272-A, CCL005281-A, CCL005284-A, CCL003981-M
April 7, 2025	318,440		CCL005270-A, CCL005261-A, CCL005262-A, CCL004025-M, RAD-201550, CCL005263-A, RAD-201552, CCL005269-A, CCL005268-A, RAD-201553, CCL005266-A, CCL005265-A, CCL004026-M, CCL005264-A, CCL005317-A, CCL005318-A, RAD-201567, CCL005319-A, CCL005320-A, CCL004027-M, CCL005321-A, CCL004028-M, CCL005322-A, CCL004029-M, CCL005323-A, CCL005324-A, CCL005325-A, CCL005326-A, RAD-201566, CCL005327-A, CCL004030-M, CCL005328-A, RAD-201565, CCL005329-A, CCL005330-A, RAD-201563, RAD-201564, CCL005331-A, CCL005332-A, RAD-201562, CCL005333-A, CCL005334-A, CCL005335-A, CCL005336-A, CCL005337-A, CCL005338-A, CCL004031-M, CCL005339-A, 018765426FLE, 018765427FLE, 018765428FLE, 018765338FLE, 017791082FLE

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
April 8, 2025	324,597		CCL005343-A, CCL005344-A, CCL005349-A, RAD-201560, RAD-201559, CCL005346-A, RAD-201558, CCL005348-A, RAD-201557, RAD-201561, RAD-201568, CCL005345-A, CCL005350-A, CCL005351-A, CCL005352-A, RAD-201556, CCL005353-A, CCL005354-A, CCL005347-A, RAD-201576, CCL005355-A, RAD-201575, CCL005358-A, CCL005359-A, CCL004039-M, RAD-201577, CCL004034-M, CCL004035-M, CCL004036-M, CCL005356-A, CCL005316-A, CCL005360-A, CCL005302-A, RAD-201573, CCL005361-A, CCL005362-A, CCL005366-A, CCL005367-A, CCL005368-A, RAD-201572, CCL005369-A, CCL005370-A, RAD-201571, RAD-201570, CCL005363-A, CCL005364-A, CCL005365-A, CCL004038-M, CCL005371-A, 018765429FLE, 018765430FLE, 017791083FLE, 018765242FLE,
April 9, 2025	315,058		CCL005375-A, CCL005376-A, CCL005378-A, RAD-201569, CCL005379-A, RAD-201555, CCL005380-A, RAD-201591, CCL004047-M, RAD-201590, CCL005381-A, CCL005382-A, CCL005377-A, CCL005383-A, CCL005384-A, CCL005385-A, CCL005386-A, CCL005387-A, RAD-201589, CCL005388-A, CCL004046-M, CCL005389-A, CCL004045-M, CCL005390-A, CCL004044-M, CCL004043-M, CCL005391-A, CCL005392-A, RAD-201588, CCL005357-A, CCL005393-A, RAD-201587, RAD-201586, RAD-201585, CCL005394-A, CCL005395-A, CCL005303-A, CCL005304-A, CCL005307-A, CCL005305-A, CCL005306-A, CCL005308-A, CCL005309-A, CCL005310-A, RAD-201584, CCL005311-A, 018765431FLE, 018765244FLE, 018765397FLE, 018765398FLE, 018765399FLE, 018765400FLE
April 10, 2025	271,007		RAD-201542, CCL005315-A, RAD-201543, CCL005267-A, RAD-201581, RAD-201580, RAD-201579, RAD-201578, CCL005451-A, RAD-201582, CCL005450-A, CCL005452-A, CCL005453-A, CCL005462-A, CCL005454-A, CCL005455-A, CCL005456-A, CCL005457-A, CCL005458-A, CCL005459-A, CCL005460-A, CCL005461-A, RAD-201610, RAD-201609, CCL004087-M, CCL004088-M, RAD-201618, CCL004086-M, CCL005463-A, CCL005467-A, CCL005465-A, CCL005466-A, CCL005448-A, CCL005447-A, CCL005446-A, CCL005445-A, CCL005443-A, 017791084FLE, 018765245FLE, 018765432FLE, 018765401FLE, 018765402FLE, 018765564FLE,
April 11, 2025	305,812		CCL005439-A, RAD-201616, CCL005438-A, RAD-201601, CCL005437-A, CCL005436-A, CCL004089-M, RAD-201615, CCL005464-A, CCL004090-M, RAD-201614, CCL005434-A, RAD-201600, CCL005433-A, RAD-201599, CCL005432-A, CCL005431-A, RAD-201598, CCL005430-A, CCL005435-A, CCL005429-A, RAD-201597, CCL005428-A, CCL005427-A, CCL005426-A, CCL004041-M, CCL004097-M, CCL005425-A, CCL004096-M, RAD-201596, CCL004095-M, CCL005424-A, CCL005423-A, RAD-201595, CCL005422-A, CCL005421-A, CCL005418-A, CCL005417-A, CCL005416-A, CCL005415-A, CCL005414-A, CCL005412-A, CCL005403-A, CCL005420-A, 017791085FLE, 018765246FLE, 018765247FLE, 018765433FLE, 018765434FLE, 018765435FLE
April 12, 2025	111,803		CCL005409-A, RAD-201607, CCL004093-M, CCL005411-A, CCL005405-A, CCL005419-A, RAD-201606, CCL004094-M, CCL005408-A, RAD-201594, CCL005402-A, CCL005404-A, CCL005410-A, CCL004092-M, CCL005397-A, RAD-201592, CCL005399-A, RAD-201593, CCL004091-M, CCL005396-A
April 13, 2025	74,692		RAD-201605, 4050-00068, 4050-00069, CCL005407-A, CCL004084-M, RAD-201604, CCL005406-A, CCL005398-A, CCL005486-A, CCL005485-A, CCL004083-M, RAD-201603, CCL004082-M
April 14, 2025	273,991		CCL005485-A, CCL004083-M, RAD-201603, CCL004082-M, CCL005484-A, CCL005483-A, CCL005499-A, RAD-201602, CCL005498-A, CCL004081-M, CCL005497-A, CCL005496-A, RAD-201621, CCL005495-A, CCL005494-A, CCL005493-A, CCL004080-M, CCL005401-A, CCL005400-A, CCL005492-A, CCL000810-X, CCL004073-M, CCL005491-A, CCL004072-M, 4050-00070, CCL005490-A, CCL005489-A, RAD-201626, CCL004079-M, CCL005488-A, CCL005487-A, CCL005468-A, RAD-201625, CCL005469-A, RAD-201624, CCL005470-A, CCL004078-M, RAD-201613, CCL005471-A, CCL005472-A, CCL005474-A, CCL005480-A, CCL005481-A, CCL005475-A

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
April 15, 2025	324,989		018765436FLE, 018765437FLE, 018765438FLE, 018765340FLE, 018765341FLE, CCL005478-A, CCL004077-M, CCL005477-A, CCL005479-A, CCL005606-A, CCL005607-A, CCL004076-M, CCL005608-A, CCL004098-M, CCL005609-A, CCL005610-A, RAD-201612, CCL005611-A, CCL005612-A, CCL004075-M, RAD-201611, CCL005613-A, RAD-201629, CCL005614-A, CCL005615-A, RAD-201628, RAD-201627, RAD-201623, CCL005616-A, CCL005621-A, CCL005622-A, CCL005617-A, RAD-201654, CCL004074-M, RAD-201653, CCL004071-M, CCL004070-M, CCL004099-M, CCL005623-A, RAD-201652, CCL005618-A, CCL005619-A, RAD-201656, RAD-201655, RAD-201657, CCL005620-A, CCL005624-A, RAD-201651, CCL005625-A, RAD-201650, CCL005626-A, CCL005627-A, RAD-201649, CCL005628-A
April 16, 2025	312,104		018765250FLE, 018765251FLE, 017791086FLE, 018765439FLE, 018765484FLE, CCL004102-M, CCL005633-A, CCL004103-M, CCL005635-A, CCL005636-A, CCL005637-A, CCL004104-M, CCL005638-A, RAD-201648, CCL005640-A, RAD-201647, RAD-201646, CCL005639-A, CCL005641-A, RAD-201645, CCL005642-A, RAD-201644, CCL005643-A, CCL004105-M, CCL005644-A, CCL005645-A, CCL005646-A, CCL004106-M, CCL005548-A, CCL005547-A, RAD-201643, CCL004107-M, RAD-201642, CCL005546-A, CCL004108-M, CCL005545-A, CCL005544-A, CCL005543-A, RAD-201641, RAD-201640, CCL005542-A, CCL005531-A, RAD-201639, CCL005533-A, CCL005532-A, CCL005534-A, CCL005535-A, CCL005536-A, CCL005537-A, CCL005538-A, CCL005539-A, CCL004109-M
April 17, 2025	310,494		018765441FLE, 018765566FLE, 018765567FLE, 018765568FLE, 018765569FLE, CCL005541-A, CCL005517-A, CCL005518-A, CCL005519-A, RAD-201637, CCL005522-A, CCL005523-A, CCL005520-A, RAD-201636, RAD-201635, CCL005521-A, RAD-201634, CCL004110-M, RAD-201633, RAD-201632, CCL005524-A, CCL005525-A, CCL005526-A, CCL005528-A, CCL005527-A, CCL005529-A, CCL005530-A, CCL004100-M, CCL005505-A, RAD-201620, CCL005506-A, CCL005507-A, CCL005508-A, RAD-201619, CCL005509-A, RAD-201658, RAD-201659, RAD-201660, RAD-201665, CCL005510-A, CCL005511-A, CCL005512-A, CCL005513-A, CCL005514-A, RAD-201661, CCL004115-M, RAD-201666, CCL004116-M, CCL005516-A, CCL005515-A, CCL005504-A, CCL004117-M, RAD-201662
April 18, 2025	274,998		018765443FLE, 020750181FLE, 020750182FLE, 020750183FLE, 020750184FLE, CCL005503-A, CCL005502-A, CCL004112-M, CCL005501-A, CCL004118-M, RAD-201663, CCL005549-A, CCL005554-A, CCL004111-M, RAD-201664, CCL005553-A, CCL005552-A, CCL005555-A, RAD-201667, CCL004114-M, RAD-201668, CCL005557-A, CCL005558-A, RAD-201630, CCL004119-M, CCL005559-A, CCL004120-M, CCL005560-A, RAD-201669, CCL005561-A, CCL004121-M, CCL005562-A, CCL005569-A, CCL005567-A, CCL005566-A, CCL005565-A, CCL005564-A, CCL005563-A, RAD-201670, CCL005572-A, CCL005570-A, CCL005571-A, CCL005568-A, CCL005550-A, CCL005551-A, CCL005556-A, CCL005500-A, CCL005444-A
April 19, 2025	109,785		CCL004122-M, 018765255FLE, 018765256FLE, 018765257FLE, 018765444FLE, 018765445FLE, 018765446FLE, 018765447FLE, 018765448FLE, CCL004122-M, CCL005574-A, CCL005576-A, CCL004124-M, CCL005575-A, CCL004123-M, CCL005577-A, CCL004125-M, CCL005578-A, CCL005579-A, CCL005580-A
April 20, 2025	45,695		CCL000804-X, CCL005581-A, RAD-201676, RAD-201675, RAD-201674, CCL005582-A, CCL004126-M, CCL004127-M
April 21, 2025	279,092		CCL005583-A, CCL005584-A, RAD-201672, CCL004101-M, CCL005585-A, RAD-201673, CCL005586-A, CCL005587-A, CCL005588-A, CCL005589-A, CCL005590-A, CCL005591-A, CCL005592-A, CCL004143-M, CCL005593-A, CCL005594-A, CCL005595-A, CCL000806-X, CCL005596-A, CCL000807-X, RAD-201689, CCL004142-M, CCL005597-A, CCL004144-M, CCL005598-A, RAD-201699, CCL004145-M, CCL004146-M, CCL005703-A, CCL004147-M, CCL005599-A, RAD-201631, RAD-201688, RAD-201687, RAD-201686, CCL005744-A, CCL005743-A, CCL005742-A, CCL005741-A, CCL000808-X, CCL000809-X, CCL004148-M, RAD-201685, CCL005740-A, RAD-201684

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
April 22, 2025	316,732		018765485FLE, 020750231FLE, 020750232FLE, 020750233FLE, CCL005705-A, CCL004158-M, CCL005706-A, CCL005707-A, RAD-201693, CCL005708-A, CCL005709-A, RAD-201692, RAD-201698, RAD-201697, CCL004149-M, CCL005710-A, CCL005711-A, RAD-201691, RAD-201690, RAD-201679, CCL005712-A, CCL005713-A, CCL005714-A, CCL004159-M, RAD-201696, CCL005715-A, CCL005716-A, CCL005717-A, CCL004160-M, CCL004161-M, CCL004162-M, 4050-00330, CCL005737-A, 4050-00332, CCL005736-A, CCL005735-A, CCL005734-A, CCL005733-A, RAD-201695, CCL005732-A, CCL005731-A, RAD-201694, CCL004163-M, CCL005730-A, CCL005729-A, CCL005600-A, RAD-201680, CCL005601-A, CCL005602-A, CCL005603-A, CCL005604-A, RAD-201722
April 23, 2025	359,500		020750185FLE, 018765449FLE, 020750186FLE, 018765476FLE, 018765258FLE, CCL004150-M, CCL005701-A, CCL005702-A, CCL004152-M, CCL005718-A, CCL005719-A, CCL004153-M, CCL005720-A, CCL005721-A, CCL005722-A, CCL004154-M, CCL005723-A, CCL005724-A, RAD-201721, CCL005725-A, CCL005726-A, RAD-201720, CCL005727-A, RAD-201719, CCL005728-A, CCL004164-M, CCL005698-A, CCL005697-A, CCL005696-A, RAD-201718, CCL005695-A, RAD-201716, CCL004155-M, CCL005694-A, CCL005693-A, RAD-201717, CCL004156-M, RAD-201715, CCL004165-M, CCL005692-A, RAD-201714, CCL005691-A, CCL005683-A, CCL005684-A, CCL005685-A, CCL005686-A, CCL005687-A, RAD-201713, RAD-201712, CCL004167-M, RAD-201681, CCL004168-M, CCL005673-A, CCL004170-M, CCL005674-A, CCL004166-M, CCL005675-A, CCL004171-M,
April 24, 2025	359,062		020750188FLE, 018765450FLE, 018765451FLE, 018765477FLE, CCL005688-A, CCL005689-A, CCL004173-M, CCL005682-A, CCL004174-M, RAD-201711, CCL005690-A, CCL005745-A, RAD-201683, CCL005746-A, CCL005747-A, CCL005748-A, RAD-201701, RAD-201700, CCL005749-A, CCL005681-A, CCL005750-A, CCL005751-A, CCL005752-A, CCL004169-M, CCL005753-A, CCL005755-A, RAD-201710, CCL004175-M, CCL004176-M, CCL004177-M, CCL005754-A, RAD-201709, CCL005756-A, CCL004129-M, CCL004179-M, CCL005757-A, RAD-201708, CCL005758-A, CCL004178-M, 4050-00333, 4050-00334, RAD-201707, CCL005759-A, CCL004181-M, CCL005761-A, CCL005760-A, RAD-201706, CCL004182-M, CCL005762-A, CCL005763-A, CCL004183-M, RAD-201702, CCL005764-A, CCL005765-A, CCL004184-M, CCL005766-A, CCL005767-A, CCL005768-A, CCL005769-A,
April 25, 2025	355,409		018765505FLE, 018765259FLE, 018765478FLE, 020750190FLE, 018765260FLE, CCL005771-A, RAD-201704, CCL004180-M, CCL005772-A, CCL004185-M, CCL005773-A, CCL005774-A, RAD-201723, CCL004187-M, CCL004186-M, CCL005672-A, CCL005671-A, RAD-201724, CCL005670-A, CCL005669-A, RAD-201727, RAD-201728, RAD-201729, RAD-201725, CCL005668-A, CCL005667-A, CCL005666-A, CCL004188-M, CCL004189-M, 4050-00335, CCL004190-M, 4050-00336, CCL004191-M, CCL005665-A, CCL004192-M, CCL005664-A, CCL005662-A, CCL004193-M, CCL004194-M, CCL004195-M, CCL005663-A, CCL005661-A, RAD-201726, CCL005660-A, RAD-201705, RAD-201730, RAD-201731, CCL005659-A, CCL005658-A, CCL004196-M, CCL005794-A, CCL005793-A, CCL004197-M, CCL005792-A, CCL005791-A, CCL005790-A, CCL005789-A, CCL005788-A, CCL005787-A, 018765479FLE
April 26, 2025	122,350		CCL005786-A, 020750191FLE, 020750192FLE, 018765506FLE, 018765528FLE, 018765529FLE, 018765530FLE, 018765531FLE, 018765532FLE, CCL005786-A, CCL004205-M, CCL004198-M, CCL005785-A, CCL005784-A, CCL005783-A, CCL004199-M, CCL005782-A, RAD-201732, CCL005781-A, CCL005780-A, CCL005779-A, CCL005778-A, RAD-
April 27, 2025	52,065		4050-00337, CCL005777-A, RAD-201734, CCL005775-A, CCL004200-M, CCL004201-M, CCL005648-A, CCL004202-M, CCL004203-M

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Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
April 28, 2025	414,392		CCL004206-M, CCL005651-A, CCL005652-A, CCL005653-A, CCL005647-A, CCL004207-M, CCL005654-A, CCL004204-M, CCL004208-M, 4050-00322, CCL004209-M, CCL005655-A, CCL004210-M, CCL005656-A, CCL004211-M, RAD-201746, RAD-201745, 4050-00323, 4050-00324, CCL005657-A, CCL005795-A, CCL005822-A, CCL005821-A, CCL005823-A, 4050-00325, 4050-00164, CCL004212-M, 4050-00326, CCL004213-M, RAD-201754, CCL005824-A, 4050-00329, CCL005825-A, RAD-201753, 4050-00327, CCL004214-M, CCL004215-M, CCL005826-A, 4050-00167, CCL005827-A, CCL005828-A, CCL005829-A, CCL004217-M, CCL005830-A, RAD-201756, RAD-201751, CCL004218-M, RAD-201752, RAD-201750, CCL004220-M, 4050-00162, CCL004222-M, 4050-00163, CCL005832-A, RAD-201749, CCL004223-M, CCL005833-A, 4050-00160, CCL005834-A, RAD-201747, CCL005835-A, 4050-00161, CCL004224-M, CCL005836-A, CCL004219-M, RAD-201748, CCL005844-A, CCL005843-A, CCL005845-A, CCL004226-M
April 29, 2025	365,774		018765534FLE, 020750193FLE, 018765262FLE, 018765261FLE, 018765535FLE, CCL004227-M, CCL005847-A, CCL004228-M, CCL005848-A, RAD-201740, CCL005831-A, CCL005837-A, CCL005849-A, CCL005850-A, CCL005851-A, CCL005852-A, RAD-201744, CCL005853-A, CCL005854-A, 4050-00168, CCL005879-A, CCL004225-M, CCL005880-A, CCL005878-A, CCL005877-A, CCL002001-X, CCL002006-X, CCL005876-A, CCL002014-X, CCL004229-M, CCL004230-M, CCL002013-X, CCL005875-A, CCL004231-M, CCL002012-X, CCL002011-X, RAD-201765, CCL005874-A, CCL005873-A, CCL005872-A, CCL005871-A, CCL004234-M, CCL004236-M, RAD-201764, CCL005870-A, CCL004235-M, CCL002032-X, CCL005869-A, CCL002035-X, CCL005868-A, CCL002036-X, CCL002033-X, CCL005867-A, CCL004237-M, CCL005866-A, CCL004238-M, CCL005865-A, CCL004239-M, CCL005864-A, CCL004233-M, CCL005863-A, CCL004240-M, CCL005862-A
April 30, 2025	404,564		020750292FLE, 018765536FLE, 018765537FLE, 018765538FLE, 018765539FLE, CCL005860-A, CCL005838-A, CCL004241-M, CCL004242-M, CCL005839-A, CCL005840-A, CCL004243-M, RAD-201763, CCL005841-A, CCL005842-A, RAD-201762, RAD-201761, RAD-201760, CCL005855-A, CCL005857-A, CCL005859-A, CCL005858-A, RAD-201759, CCL002034-X, CCL005820-A, CCL004244-M, CCL005819-A, CCL004245-M, CCL002038-X, CCL004246-M, CCL004248-M, CCL004247-M, CCL002037-X, CCL002043-X, CCL004249-M, CCL004232-M, CCL004250-M, CCL002044-X, CCL005803-A, RAD-201757, CCL002045-X, CCL002047-X, CCL002046-X, CCL005796-A, RAD-201803, CCL004252-M, RAD-201802, CCL004253-M, CCL005798-A, CCL005797-A, RAD-201801, RAD-201800, CCL002048-X, RAD-201799, RAD-201798, CCL004254-M, RAD-201795, CCL004255-M, CCL005892-A, CCL004256-M, CCL005891-A, CCL004257-M, CCL005890-A, CCL005889-A, CCL005888-A, CCL005856-A, RAD-201794, RAD-201793
April 2025 Total	**7,864,887**	-	
			May
May 1, 2025	308,079		020750195FLE, 020750236FLE, 020750196FLE, 020750294FLE,
May 2, 2025	331,581		020750198FLE, 020750197FLE, 018765540FLE, 018765542FLE, 020750295FLE, CCL005882-A, CCL005881-A, RAD-201769, CCL005923-A, CCL005922-A, RAD-201768, CCL005921-A, CCL005920-A, CCL005919-A, RAD-201827, CCL005918-A, CCL005917-A, CCL005916-A, CCL005915-A, RAD-201825, CCL005914-A, CCL005913-A, CCL005912-A, RAD-201826, CCL005911-A, RAD-201822, CCL005910-A, CCL005909-A, CCL005908-A, RAD-201823, CCL005907-A, CCL005906-A, CCL005905-A, CCL005904-A, RAD-201820, RAD-201755, CCL005903-A, CCL005902-A, CCL005901-A, RAD-201824, CCL005900-A, CCL005899-A, CCL004268-M, CCL005898-A, CCL005897-A, CCL004270-M, CCL005896-A, CCL005895-A, CCL004266-M, RAD-201816, CCL005894-A, CCL005893-A, CCL005806-A, CCL004269-M, CCL005807-A, CCL004271-M

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Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
May 3, 2025	93,308		CCL004272-M, 020750200FLE, 020750248FLE, 020750249FLE, 018765546FLE, 018765543FLE, 018765547FLE, 018765545FLE, 020750296FLE, CCL004272-M, CCL005808-A, CCL004273-M, CCL005810-A, CCL004274-M, RAD-201817, CCL005812-A, CCL005813-A, CCL004275-
May 4, 2025	72,368		RAD-201818, CCL004276-M, CCL005816-A, CCL005811-A, CCL005815-A, CCL004277-M, CCL004278-M, CCL004279-M, CCL005809-A, RAD-201818, RAD-201786, CCL005817-A, CCL004281-M
May 5, 2025	291,021		RAD-201785, CCL004282-M, CCL005818-A, RAD-201790, CCL005993-A, CCL004283-M, CCL004284-M, CCL004285-M, CCL005994-A, RAD-201785, CCL004286-M, RAD-201784, CCL005984-A, CCL004264-M, CCL004267-M, CCL004287-M, CCL004288-M, CCL004289-M, RAD-201783, RAD-201819, CCL005983-A, CCL004292-M, CCL005968-A, CCL004293-M, CCL004294-M, RAD-201781, CCL004296-M, CCL002053-X, CCL004295-M, CCL002054-X, CCL005978-A, 020750250FLE, 018765265FLE, 020750237FLE, 020750297FLE, 020750238FLE, 020750298FLE, 020750299FLE, 018765548FLE, 018765549FLE, CCL005966-A, CCL005982-A, CCL005992-A, CCL005981-A, CCL005980-A, CCL005975-A, CCL005987-A, CCL005976-A, CCL005986-A, CCL005991-A, CCL005963-A, CCL005967-A, CCL005990-
May 6, 2025	397,001		CCL005993-A, CCL005988-A, CCL005989-A, CCL005961-A, CCL006070-A, CCL006072-A, CCL005949-A, CCL004130-M, CCL006066-A, CCL004131-M, RAD-201766, RAD-201738, RAD-201743, CCL002055-X, CCL004291-M, RAD-201833, CCL004297-M, RAD-201832, RAD-201831, CCL002056-X, CCL004299-M, RAD-201830, CCL004262-M, CCL004298-M, RAD-201774, CCL004263-M, RAD-201773, RAD-201772, CCL004132-M, RAD-201771, CCL004133-M, CCL005958-A, RAD-201856, CCL002057-X, RAD-201855, CCL002049-X, CCL005971-A, RAD-201854, RAD-201853, CCL004135-M, RAD-201834, CCL006069-A, RAD-201829, 020750201FLE, 018765550FLE, 020750300FLE, 020750301FLE, 020750302FLE, 020750251FLE, 020750252FLE, 020750202FLE, 018765551FLE, 018765552FLE, 018765553FLE, RAD-201739, CCL006065-A, CCL005957-A, CCL006071-A, CCL005950-A, CCL006068-A, CCL005954-A, CCL005960-A, CCL005974-A, CCL005959-A, CCL005951-A, CCL005953-A
May 7, 2025	320,554		CCL006091-A, CCL006067-A, CCL005952-A, CCL005973-A, CCL005955-A, CCL005972-A, CCL005970-A, CCL005948-A, CCL005965-A, CCL006091-A, CCL006093-A, CCL006081-A, CCL006060-A, CCL006059-A, CCL006086-A, CCL006103-A, CCL006104-A, CCL006105-A, CCL006095-A, CCL006082-A, CCL006092-A, CCL006107-A, CCL006090-A, CCL006078-A, RAD-201838, CCL006061-A, RAD-201840, CCL006102-A, CCL002039-X, CCL006064-A, CCL004138-M, RAD-201839, CCL006063-A, RAD-201846, CCL004140-M, CCL004141-M, CCL006084-A, CCL006057-A, CCL006077-A, 020750239FLE, 020750303FLE, 020750253FLE, 020750203FLE, 018765268FLE, 018765267FLE, 020750204FLE, 020750304FLE, 020750240FLE, CCL006054-A, CCL006053-A, CCL006075-A, CCL006108-A, CCL006076-A, CCL006074-A, CCL006087-A, CCL006073-A, CCL006083-A,
May 8, 2025	392,242		CCL006079-A, CCL006085-A, CCL006080-A, CCL006088-A, CCL006111-A, CCL006045-A, CCL006043-A, CCL006099-A, CCL006046-A, CCL006101-A, CCL006106-A, CCL006098-A, CCL006113-A, CCL006032-A, CCL006109-A, CCL006030-A, CCL006049-A, CCL006050-A, CCL006044-A, CCL006048-A, CCL006033-A, CCL006031-A, CCL006110-A, CCL006042-A, CCL006096-A, CCL004136-M, CCL002040-X, RAD-201849, RAD-201847, RAD-201851, CCL004139-M, CCL006029-A, RAD-201841, CCL004300-M, CCL004302-M, RAD-201842, CCL002042-X, CCL002026-X, CCL002025-X, CCL004303-M, CCL002027-X, CCL002041-X, CCL004301-M, RAD-201845, RAD-201848, RAD-201852, CCL006097-A, CCL006047-A, CCL006112-A, RAD-201843, RAD-201844, RAD-201850, RAD-201837, CCL004304-M, RAD-201836, RAD-201835, RAD-201742, CCL004305-M, CCL004306-M, CCL006052-A, RAD-201811, RAD-201809, CCL004308-M, RAD-201810, CCL006114-A, 020750205FLE, 018765269FLE

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Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
May 9, 2025	255,331	10,232	CCL006037-A, 020750306FLE, 020750307FLE, 020750308FLE, 020750206FLE, 020750254FLE, CCL006051-A, CCL006028-A, CCL006100-A, CCL006037-A, CCL006019-A, CCL006157-A, CCL006026-A, CCL006153-A, CCL006022-A, CCL006023-A, CCL006152-A, CCL006027-A, CCL006036-A, CCL006155-A, CCL006035-A, CCL006160-A, CCL006151-A, CCL006024-A, CCL006040-A, CCL006158-A, CCL006154-A, CCL006148-A, CCL006150-A, CCL006020-A, CCL006156-A, CCL006039-A, CCL006041-A, CCL006021-A, RAD-201808, CCL006038-A, CCL006159-A, CCL006145-A, RAD-201814, CCL002058-X, CCL004307-M, CCL004309-M, CCL004310-M, CCL004311-M, RAD-201813, CCL004312-M, 020750335FLE, 020750336FLE
May 10, 2025	105,719	1,263	CCL006138-A, RAD-201804, CCL006034-A, 020750309FLE, 020750310FLE, 020750241FLE, CCL006025-A, CCL006147-A, CCL006146-A, CCL006138-A, CCL006140-A, CCL006133-A, CCL006137-A, CCL006142-A, CCL006143-A, CCL006141-A, CCL006139-A, CCL006144-A, CCL004313-M, 020750338FLE
May 11, 2025	78,485		CCL002115-X, CCL004315-M, RAD-201805, RAD-201806, RAD-201873, CCL004326-M, CCL004327-M, CCL004325-M, CCL004328-M, CCL002115-X, CCL002065-X, CCL006131-A, RAD-201875, CCL006132-A, CCL006129-A
May 12, 2025	333,408		CCL006135-A, CCL006128-A, CCL006127-A, CCL006126-A, CCL006125-A, RAD-201870, CCL006124-A, CCL004329-M, CCL004316-M, CCL006135-A, CCL006136-A, CCL004330-M, RAD-201869, CCL006134-A, CCL006122-A, CCL006123-A, CCL006121-A, CCL006120-A, RAD-201872, CCL006119-A,
May 13, 2025	354,996		020750312FLE, 020750242FLE, 020750311FLE, 020750209FLE, 020750255FLE, CCL006197-A, CCL006198-A, CCL006199-A, CCL006200-A, CCL006201-A, CCL004369-M, CCL006202-A, CCL004371-M, CCL006237-A, CCL006236-A, CCL006235-A, CCL006233-A, CCL006232-A, CCL006234-A, RAD-201858, CCL006231-A, CCL002069-X, CCL006230-A, CCL002070-X, CCL006229-A, CCL006228-A, CCL006227-A, CCL006226-A, CCL004353-M, CCL006225-A, CCL002071-X, CCL004354-M, CCL004355-M, RAD-201788, RAD-201787, CCL004356-M, CCL006184-A, CCL006182-A, CCL006181-A, CCL006183-A, CCL006185-A, CCL006186-A, CCL006187-A, RAD-201906, CCL006188-A, RAD-201905, CCL006190-A, CCL006272-A, CCL006271-A, CCL006191-A, CCL006269-A, CCL006268-A, CCL006267-A, CCL006266-A, CCL006270-A, CCL006265-A, CCL004357-M, CCL006264-A, CCL006263-A, CCL006262-A, CCL004358-M, CCL006189-A, CCL004370-M
May 14, 2025	313,376		020750313FLE, 020750256FLE, 020750257FLE, 020750339FLE, 020750340FLE, CCL006261-A, CCL006260-A, CCL006259-A, CCL006258-A, CCL006257-A, CCL006256-A, RAD-201904, CCL006255-A, CCL006254-A, CCL006253-A, CCL006252-A, RAD-201903, CCL006251-A, RAD-201902, CCL006250-A, CCL004360-M, CCL006246-A, RAD-201780, CCL006240-A, CCL006239-A, CCL004362-M, CCL006245-A, CCL004361-M, CCL006244-A, CCL006243-A, CCL006242-A, CCL004363-M, CCL006241-A, RAD-201901, CCL006248-A, RAD-201900, RAD-201899, CCL006247-A, CCL006238-A, RAD-201898, CCL006204-A, CCL006203-A, CCL004364-M, CCL006206-A, CCL006207-A, RAD-201897, CCL004366-M, CCL006208-A, CCL006209-A, CCL006322-A, CCL006323-A, CCL004367-M, CCL006324-A
May 15, 2025	298,459		020750314FLE, 020750315FLE, 020750316FLE, 020750258FLE, 020750341FLE, CCL006328-A, CCL006325-A, CCL006329-A, CCL006326-A, CCL004372-M, CCL006330-A, CCL006327-A, CCL006331-A, CCL004365-M, CCL006332-A, RAD-201895, RAD-201896, CCL006333-A, RAD-201894, CCL006334-A, RAD-201893, CCL006335-A, CCL006336-A, CCL004373-M, RAD-201892, CCL004374-M, RAD-201891, CCL006337-A, CCL006338-A, CCL006273-A, CCL006274-A, CCL004375-M, CCL002072-X, CCL004376-M, CCL004377-M, CCL006289-A, CCL006290-A, RAD-201741, RAD-201908, CCL004378-M, CCL002073-X, RAD-201907, CCL006291-A, CCL006292-A, CCL006293-A, CCL004379-M, CCL006294-A, CCL006295-A, CCL006296-A, CCL006275-A

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Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
May 16, 2025	238,125		CCL006276-A, 020750317FLE, 020750265FLE, 018765273FLE, 020750342FLE, 020750318FLE, 020750259FLE, 020750319FLE, 020750266FLE, CCL006276-A, CCL006277-A, RAD-201909, CCL004388-M, RAD-201928, CCL006278-A, CCL006279-A, RAD-201910, CCL006280-A, CCL006281-A, RAD-201865, CCL006282-A, CCL002074-X, RAD-201864, CCL006283-A, CCL004389-M, RAD-201857, CCL004390-M, CCL006284-A, CCL004391-M, RAD-201860, CCL004392-M, CCL004393-M, CCL006286-A, CCL006287-A, CCL006285-A, CCL004394-M, CCL006288-A, CCL006298-A, CCL006297-A, CCL006299-A, CCL006300-A, RAD-201862, CCL004404-M
May 17, 2025	98,447		CCL006301-A, CCL004395-M, RAD-201863, 020750267FLE, 020750268FLE, 020750320FLE, 020750321FLE, 018765266FLE, 020750260FLE, CCL006301-A, CCL006304-A, CCL006305-A, CCL004405-M, CCL006306-A, CCL006307-A, RAD-201871, CCL006308-A, CCL006302-A
May 18, 2025	94,889		CCL006312-A, RAD-201770, CCL004396-M, CCL004397-M, CCL006310-A, CCL004399-M, CCL004398-M, CCL004400-M, 018765274FLE, CCL006312-A, CCL006314-A, RAD-201807, RAD-201782, RAD-201890, CCL006315-A, RAD-201889, CCL004401-M
May 19, 2025	313,954		CCL006313-A, CCL006311-A, CCL006319-A, CCL006316-A, RAD-201888, CCL004402-M, CCL006320-A, CCL006321-A, CCL006313-A, CCL006211-A, CCL004403-M, CCL006212-A, CCL006213-A, CCL006214-A, CCL006216-A, CCL006215-A, CCL006339-A, CCL006340-A, RAD-201887, CCL006341-A, CCL006342-A, RAD-201886, CCL004406-M, RAD-201885, CCL006343-A, CCL004407-M, CCL006344-A, CCL006345-A, CCL006346-A, CCL004408-M, CCL006347-A, CCL004409-M, CCL004410-M, CCL004411-M, CCL006349-A, CCL006348-A, CCL006350-A, RAD-201923, CCL006351-A, RAD-201926, RAD-201925, CCL006352-A, CCL006353-A, CCL006354-A, CCL006355-A, CCL004412-M, CCL006357-A, CCL006356-A, RAD-201924, RAD-201922, CCL006359-A, CCL004413-M, CCL006360-A, CCL006362-A, CCL004414-M, CCL006210-A, CCL006361-A
May 20, 2025	344,577		CCL006358-A, 020750326FLE, 020750324FLE, 020750325FLE, 020750359FLE, 020750210FLE, 020750361FLE, 020750360FLE, 020750322FLE, CCL006363-A, RAD-201921, CCL006365-A, CCL006364-A, CCL006358-A, CCL006366-A, CCL004415-M, CCL006367-A, RAD-201919, RAD-201920, CCL006368-A, CCL006369-A, RAD-201918, CCL006370-A, RAD-201917, CCL006371-A, CCL004416-M, CCL006396-A, CCL006395-A, RAD-201916, CCL004423-M, CCL006397-A, CCL006398-A, CCL004422-M, CCL004424-M, CCL004425-M, CCL006399-A, RAD-201915, CCL004426-M, CCL006400-A, CCL006401-A, RAD-201914, CCL006402-A, CCL006403-A, CCL006405-A, CCL006404-A, CCL004428-M, CCL006406-A, RAD-201913, CCL006407-A, RAD-201912, CCL004429-M, CCL006409-A, CCL006408-A, CCL004430-M, CCL004431-M, RAD-201911, CCL006410-A, CCL006412-A, CCL006411-A, CCL006413-A, CCL006414-A, CCL004432-M
May 21, 2025	264,064		CCL006418-A, 020750328FLE, 020750324FLE, 020750325FLE, 020750269FLE, 020750270FLE, 020750345FLE, 020750344FLE, 020750364FLE, CCL006418-A, 020750328FLE, 020750272FLE, CCL006373-A, CCL004443-M, CCL004437-M, CCL006417-A, CCL006419-A, CCL006423-A, CCL006374-A, 020750358FLE, CCL006415-A, CCL006422-A, CCL004442-M, CCL004434-M, 020750357FLE, CCL006416-A, CCL006375-A, CCL006425-A, CCL006379-A, CCL006427-A, CCL006428-A, CCL006426-A, CCL004433-M, CCL006420-A, CCL006382-A, CCL006376-A, CCL006421-A, CCL004436-M, RAD-201879, 020750327FLE, CCL004435-M, CCL006372-A, CCL006377-A, CCL004427-M, RAD-201884, CCL006424-A, CCL006381-A,
May 22, 2025	302,552		CCL006430-A, RAD-201882, CCL004440-M, RAD-201881, RAD-201879, RAD-201880, RAD-201927, RAD-201877, RAD-201933, CCL006436-A, CCL004418-M, 018765275FLE, CCL004444-M, CCL004455-M, 020750367FLE, 020750329FLE, CCL004417-M, CCL004446-M, CCL006386-A, CCL004451-M, CCL006388-A, CCL006432-A, CCL006429-A, CCL004454-M, CCL006389-A, CCL004449-M, CCL004445-M, CCL004448-M, 020750330FLE, CCL006435-A, CCL006433-A, CCL006434-A, CCL006440-A, CCL006430-A, CCL006383-A, CCL006439-A, CCL006385-A, CCL004421-M, 020750331FLE, CCL006387-A, CCL006442-A, CCL004419-M, CCL004452-M, CCL006437-A, CCL006431-A, CCL006384-A, CCL006438-A, CCL004447-M, CCL004439-M, CCL006441-A, RAD-201980, RAD-201948, CCL004450-M, CCL004420-M, RAD-201978, 020750363FLE, RAD-201975

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	Leachate	Condensate	Disposal Manifest Number
May 23, 2025	235,859		CCL004384-M, CCL004453-M, RAD-201961, RAD-201949, RAD-201979, RAD-201944, RAD-201945, RAD-201946, RAD-201977, CCL004384-M, CCL004459-M, 020750390FLE, CCL004381-M, CCL006444-A, CCL006018-A, 020750391FLE, CCL006443-A, CCL006450-A, CCL006115-A, CCL004461-M, CCL006447-A, CCL004460-M, 020750404FLE, CCL004458-M, CCL004457-M, CCL006453-A, CCL006445-A, CCL006456-A, CCL006458-A, CCL006452-A, CCL004462-M, CCL006448-A, 020750405FLE, CCL006446-A, CCL006162-A, CCL006455-A, CCL006390-A, CCL004383-M, CCL004382-M, CCL006449-A, CCL004464-M, CCL006161-A, CCL004463-M
May 24, 2025	134,792		CCL006017-A, CCL004441-M, CCL006223-A, CCL006451-A, RAD-201973, CCL006457-A, RAD-201974, RAD-201996, RAD-201932, CCL006017-A, CCL004465-M, CCL004385-M, CCL006016-A, CCL004386-M, CCL006015-A, RAD-201989, CCL006014-A, CCL004387-M, RAD-201988, RAD-201987, CCL004317-M, CCL006013-A, CCL004467-M, CCL004466-M
May 25, 2025	43,627		CCL006219-A, CCL006011-A, CCL006392-A, CCL004318-M, CCL006393-A, CCL004319-M, CCL004320-M, CCL006394-A
May 26, 2025	333,430		CCL006221-A, CCL006222-A, CCL006459-A, CCL006460-A, CCL006217-A, RAD-201986, CCL004322-M, CCL006009-A, CCL006010-A, CCL006498-A, CCL006497-A, CCL006496-A, CCL004468-M, CCL006495-A, RAD-201985, CCL004333-M, CCL004469-M, CCL006006-A, CCL006494-A, CCL004332-M, CCL006007-A, CCL004470-M, CCL006012-A, CCL004471-M, RAD-201994, CCL006004-A, CCL006003-A, CCL006391-A, CCL004334-M, CCL004335-M, CCL006001-A, CCL004338-M, CCL006002-A, CCL004336-M, CCL004321-M, CCL006544-A, CCL006545-A, RAD-201993, CCL004339-M, CCL006005-A, CCL006546-A, RAD-201992, CCL006564-A, CCL006565-A, CCL006547-A, RAD-201990, CCL006548-A, CCL006566-A, RAD-201991, CCL004340-M, CCL006550-A, CCL006549-A, CCL004341-M, CCL006551-A, CCL006552-A, CCL006553-A
May 27, 2025	349,324		020750113FLE, 020750332FLE, 020750406FLE, 020750392FLE, RAD-201984, CCL004342-M, CCL006556-A, CCL006557-A, CCL004343-M, CCL004344-M, RAD-201983, CCL004345-M, CCL004346-M, CCL006559-A, CCL006558-A, RAD-201982, CCL006560-A, CCL006561-A, CCL004347-M, CCL006562-A, RAD-202000, CCL004337-M, RAD-201999, CCL006563-A, CCL006611-A, RAD-201958, RAD-201966, CCL006610-A, RAD-201972, CCL006609-A, CCL006608-A, RAD-201971, CCL004540-M, CCL006607-A, CCL006606-A, CCL004539-M, CCL006605-A, CCL004538-M, CCL004537-M, CCL006604-A, CCL006603-A, CCL004535-M, CCL006602-A, CCL006601-A, RAD-201970, CCL006600-A, RAD-201969, CCL006599-A, CCL006598-A, CCL006596-A, CCL004534-M, CCL006593-A, CCL006594-A, CCL004533-M, CCL006592-A, CCL006591-A, CCL006590-A, CCL006597-A
May 28, 2025	326,576		020750370FLE, 020750407FLE, 020750408FLE, 020750409FLE, CCL004518-M, CCL004530-M, 020750369FLE, CCL006468-A, 020750114FLE, 020750411FLE, CCL006465-A, 020750371FLE, CCL004524-M, CCL006576-A, CCL006569-A, CCL006466-A, CCL006581-A, CCL006580-A, CCL006584-A, CCL006570-A, CCL004528-M, CCL006587-A, 020750410FLE, CCL004527-M, CCL006574-A, CCL006568-A, CCL004526-M, CCL006572-A, CCL004529-M, CCL006571-A, CCL004523-M, CCL004522-M, CCL006575-A, CCL006464-A, CCL006578-A, CCL006463-A, CCL004519-M, 020750412FLE, CCL006467-A, CCL004531-M, CCL004536-M, CCL004525-M, CCL006462-A, CCL006588-A, CCL006461-A, RAD-201959, CCL004520-M, CCL006583-A, CCL006582-A, CCL006567-A, CCL006573-A,

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	Leachate	Condensate	Disposal Manifest Number
May 29, 2025	312,399		[illegible] 201968, RAD-201964, RAD-201998, RAD-201960, CCL006469-A, RAD-201954, CCL004517-M, CCL006470-A, CCL006471-A, CCL004516-M, CCL004515-M, CCL006472-A, CCL006473-A, CCL004514-M, CCL004513-M, CCL006474-A, CCL004521-M, RAD-201952, RAD-201953, CCL006475-A, CCL004512-M, CCL006476-A, RAD-201951, CCL004511-M, RAD-201938, CCL004510-M, CCL006477-A, RAD-201937, CCL006626-A, CCL006627-A, CCL004509-M, CCL006628-A, CCL004541-M, CCL006629-A, CCL004542-M, CCL006625-A, CCL004508-M, CCL004543-M, CCL006630-A, CCL006631-A, CCL006632-A, CCL006633-A, CCL006634-A, CCL006635-A, CCL006636-A, CCL004545-M, CCL006637-A, CCL006638-A, CCL006640-A, CCL006641-A, CCL004548-M
May 30, 2025	321,203		[illegible] 020750115FLE, 020750373FLE, 020750393FLE, 020750413FLE, 020750414FLE, CCL004549-M, RAD-201935, CCL006643-A, CCL004550-M, CCL006644-A, CCL004544-M, CCL004551-M, CCL006645-A, RAD-201936, CCL006646-A, RAD-201943, CCL006647-A, CCL004547-M, CCL006649-A, CCL004552-M, CCL006650-A, RAD-201876, CCL006651-A, RAD-201859, CCL006652-A, CCL006653-A, RAD-201861, RAD-201868, RAD-201866, CCL006654-A, CCL006655-A, CCL004553-M, CCL006656-A, CCL004554-M, CCL006657-A, CCL004555-M, CCL006658-A, CCL004557-M, CCL004558-M, CCL006659-A, RAD-201950, CCL006661-A, CCL006660-A, CCL006664-A, CCL006662-A, CCL006663-A, CCL006665-A, CCL006666-A, CCL006667-A, CCL006668-A, CCL004561-M, CCL006669-A, CCL006670-A, CCL004564-M,
May 31, 2025	121,619		CCL006671-A, 020750416FLE, 020750417FLE, 020750418FLE, 020750419FLE, 020750395FLE, 020750374FLE, 020750116FLE, 020750415FLE, CCL006671-A, CCL006672-A, CCL004556-M, CCL006674-A, CCL006478-A, CCL006479-A, CCL004565-M, CCL006480-A, CCL004559-M, CCL006481-A, CCL004566-M, CCL006482-A, CCL006483-A
May 2025 Total	**7,781,365**	**11,495**	
			June
June 1, 2025	38,497		CCL004573-M, CCL006486-A, CCL004563-M, CCL004567-M, RAD-201874, CCL004570-M, RAD-201867, RAD-201929
June 2, 2025	291,407		[illegible] M, CCL006487-A, CCL006488-A, CCL006490-A, CCL006491-A, 020750396FLE, 020750377FLE, CCL004576-M, CCL006619-A, CCL006680-A, CCL006531-A, 020750394FLE, CCL006617-A, CCL006534-A, CCL006537-A, CCL006536-A, CCL006615-A, CCL004585-M, CCL004582-M, CCL006493-A, CCL006008-A, CCL004575-M, CCL006614-A, CCL004578-M, CCL004574-M, 020750376FLE, CCL006623-A, CCL006677-A, CCL006620-A, CCL004569-M, CCL006533-A, CCL004579-M, CCL004580-M, CCL004586-M, CCL006612-A, CCL006538-A, CCL006618-A, CCL006535-A, CCL004577-M, CCL004581-M, CCL006676-A, CCL004571-M, CCL006622-A, CCL004584-M, CCL006532-A, CCL006621-A, CCL004568-M, CCL006675-A, CCL004583-M
June 3, 2025	245,762		[illegible] CCL006679-A, CCL006616-A, RAD-203025, RAD-203020, CCL004587-M, 020750118FLE, 021048047FLE, CCL006689-A, CCL006682-A, CCL006697-A, 021048048FLE, CCL004594-M, CCL004595-M, CCL006698-A, CCL006699-A, CCL006690-A, CCL004588-M, CCL006543-A, CCL004590-M, CCL004505-M, 020750117FLE, CCL006540-A, CCL006691-A, CCL006542-A, CCL004589-M, CCL006539-A, CCL006692-A, CCL006703-A, CCL006702-A, CCL004591-M, CCL006688-A, CCL006541-A, CCL004507-M, CCL006700-A, CCL004596-M, CCL006695-A, CCL006704-A, CCL006696-A, CCL004506-

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	Leachate	Condensate	Disposal Manifest Number
June 4, 2025	290,137		CCL004596-M, CCL006687-A, CCL006691-A, CCL006695-A, CCL006701-A, CCL006693-A, CCL006686-A, CCL006694-A, CCL004593-M, CCL004598-M, CCL004638-M, 020750212FLE, CCL006705-A, CCL006708-A, CCL004630-M, CCL004634-M, CCL006784-A, CCL004599-M, CCL006783-A, CCL006716-A, CCL006706-A, CCL006779-A, CCL006785-A, 020750211FLE, CCL006773-A, CCL006775-A, 020750397FLE, CCL006717-A, CCL006780-A, CCL004628-M, CCL006777-A, CCL004629-M, CCL006778-A, CCL004632-M, CCL006770-A, CCL006782-A, CCL004601-M, CCL006712-A, CCL006709-A, CCL004631-M, CCL006776-A, CCL004627-M, CCL004600-M, CCL006774-A, CCL006715-A, CCL006714-A, CCL006711-A, CCL006771-A, 021048046FLE, CCL004639-M, CCL006781-A, CCL006772-A, CCL004592-M
June 5, 2025	315,069		CCL004645-M, CCL004656-M, CCL006707-A, CCL004597-M, CCL004637-M, CCL006710-A, 020750378FLE, CCL004633-M, 020750379FLE, CCL004643-M, CCL004660-M, 020750213FLE, CCL000576-X, 020750380FLE, 020750224FLE, CCL004655-M, CCL000777-X, CCL006744-A, CCL006763-A, CCL006756-A, CCL004647-M, CCL006767-A, CCL004650-M, CCL006752-A, CCL006738-A, 021052165FLE, 020750223FLE, CCL006765-A, CCL006757-A, CCL006762-A, 021052164FLE, CCL006745-A, CCL006742-A, CCL006740-A, CCL006718-A, CCL006751-A, CCL006761-A, CCL006737-A, CCL006743-A, 020750420FLE, CCL006749-A, 021052162FLE, CCL004635-M, CCL006769-A, CCL004651-M, CCL006746-A, CCL006753-A, CCL006754-A, 020750381FLE, CCL006741-A, CCL006766-A, CCL004641-M, CCL000574-X, CCL004654-M, CCL006759-A, CCL004646-
June 6, 2025	307,531		CCL006512-A, CCL004652-M, CCL006758-A, CCL006760-A, CCL004645-M, CCL006747-A, CCL006768-A, CCL006748-A, CCL006750-A, CCL006512-A, CCL004612-M, CCL004602-M, 020750422FLE, 020750421FLE, 020750382FLE, CCL004659-M, CCL006726-A, 020750120FLE, 021048065FLE, CCL004606-M, CCL006730-A, 020750226FLE, CCL006514-A, CCL006505-A, 020750383FLE, CCL006724-A, CCL004662-M, CCL006721-A, CCL004657-M, CCL006732-A, CCL006507-A, 021052279FLE, CCL006510-A, CCL006734-A, CCL006506-A, CCL006729-A, CCL004609-M, CCL004605-M, 021052163FLE, CCL006530-A, CCL004661-M, 020750225FLE, CCL004604-M, CCL006727-A, 020750119FLE, CCL006513-A, CCL004613-M, CCL006722-A, CCL004607-M, CCL006504-A, CCL006731-A, CCL006720-A, CCL006736-A, CCL004653-M, CCL006515-A, CCL006719-A, CCL004603-M, CCL006735-A
June 7, 2025	176,161		020750398FLE, CCL006508-A, CCL006503-A, CCL004611-M, CCL006723-A, CCL004658-M, CCL006728-A, CCL006725-A, CCL006733-A, 020750398FLE, 020750448FLE, 020750121FLE, CCL004610-M, 021052278FLE, CCL006522-A, CCL006528-A, 020750423FLE, 020750449FLE, CCL006521-A, CCL004618-M, CCL006518-A, CCL006520-A, CCL006519-A, CCL006524-A, CCL006526-A, CCL004617-M, 021052277FLE, CCL004621-M, RAD-203038, 020750447FLE, CCL006517-A,
June 8, 2025	78,321		CCL006502-A, CCL004608-M, CCL006523-A, CCL004620-M, CCL006527-A, CCL006511-A, CCL004615-M, CCL004616-M, CCL004614-M, CCL006502-A, CCL004623-M, CCL006842-A, CCL006844-A, CCL006845-A
June 9, 2025	335,129		CCL004604-M, CCL004622-M, CCL006520-A, CCL006691-A, 021052352FLE, CCL006843-A, RAD-203037, RAD-203036, RAD-203035, CCL004504-M, CCL004625-M, 020750399FLE, 020750384FLE, CCL006863-A, CCL006861-A, CCL006853-A, CCL006864-A, CCL006855-A, CCL006867-A, CCL006835-A, CCL004663-M, CCL006851-A, 020750451FLE, CCL006833-A, CCL004671-M, 020750385FLE, CCL006865-A, CCL004669-M, CCL006846-A, CCL006866-A, CCL006850-A, CCL006858-A, CCL006868-A, CCL006849-A, CCL006834-A, CCL004502-M, CCL006836-A, CCL004670-M, CCL004664-M, CCL006847-A, CCL006857-A, CCL006859-A, CCL006854-A, 020750450FLE, CCL006860-A, CCL004665-M, CCL006856-A, CCL006848-A, CCL006875-A, CCL006852-A, CCL006869-A, CCL004666-M, CCL006832-A, CCL006862-A, CCL006840-A, CCL006837-A, CCL006870-A, CCL004624-M, CCL006839-A, CCL004626-M, CCL006831-A

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June 10, 2025	343,747		[illegible], CCL006872-A, CCL004668-M, RAD-203018, RAD-203019, CCL004674-M, CCL004688-M, CCL006816-A, CCL006881-A, CCL006880-A, CCL004689-M, CCL006814-A, CCL006828-A, CCL006826-A, CCL004679-M, CCL006883-A, CCL004672-M, CCL006886-A, CCL004673-M, CCL004686-M, CCL006890-A, CCL004685-M, CCL006815-A, CCL006887-A, CCL006879-A, CCL006874-A, CCL006873-A, CCL006830-A, CCL004676-M, CCL006825-A, CCL004675-M, CCL006877-A, 020750452FLE, CCL006817-A, CCL006823-A, CCL004667-M, CCL006824-A, CCL006820-A, CCL006876-A, CCL006819-A, CCL004678-M, CCL006882-A, CCL004681-M, CCL004687-M, CCL006821-A, CCL006813-A, CCL006891-A, CCL006822-A, CCL004680-M, RAD-203011, CCL006829-A, CCL006818-A, CCL006884-A, CCL006827-A, CCL006888-A, CCL006885-A, CCL006892-A, CCL004683-M
June 11, 2025	342,520		[illegible], RAD-203017, RAD-203013, RAD-203012, RAD-203016, 020750122FLE , 020750123FLE , CCL004720-M, 020750215FLE , 020750229FLE , CCL006899-A, CCL004723-M, CCL006894-A, CCL004732-M, CCL006905-A, CCL006908-A, CCL004730-M, CCL006917-A, 020750424FLE , CCL004725-M, CCL006918-A, CCL006915-A, 020750227FLE , 020750214FLE , CCL006902-A, CCL004722-M, CCL006896-A, CCL006904-A, CCL006913-A, CCL006911-A, CCL006811-A, CCL006900-A, CCL006895-A, CCL006912-A, CCL006897-A, CCL004719-M, CCL004682-M, 020750230FLE , CCL006812-A, CCL006906-A, CCL006914-A, CCL006893-A, CCL006916-A, CCL006903-A, CCL006898-A, CCL006901-A, CCL006919-A, CCL006909-A, CCL006810-A, RAD-203031, 020750228FLE , CCL004721-M, CCL004726-M, CCL006910-A, CCL006907-A, RAD-203009, CCL004731-M, CCL004728-M
June 12, 2025	330,493		[illegible], 203008, RAD-203029, RAD-203010, RAD-203030, CCL004744-M, CCL004741-M, 020750125FLE , CCL004734-M, CCL006932-A, CCL006809-A, 020750126FLE , CCL004742-M, 020750124FLE , CCL004739-M, 020750440FLE , CCL006928-A, CCL006935-A, CCL006927-A, 020750216FLE , CCL006924-A, CCL006931-A, CCL004737-M, CCL006922-A, CCL006925-A, CCL006938-A, CCL006804-A, CCL006805-A, CCL004733-M, 020750217FLE , CCL006926-A, CCL006942-A, CCL006806-A, CCL006807-A, CCL006920-A, 020750218FLE , CCL004743-M, CCL006934-A, CCL006929-A, CCL006921-A, CCL006923-A, CCL006939-A, CCL006930-A, CCL004735-M, CCL006937-A, CCL006940-A, CCL006808-A, CCL006943-A, CCL004729-M, CCL006936-A, CCL006945-A, CCL004740-M, CCL006944-A, CCL004738-M, 020750219FLE , CCL006941-A
June 13, 2025	321,794		[illegible], RAD-203026, RAD-203023, RAD-203152, RAD-203022, CCL004727-M, CCL006974-A, 020750127FLE , CCL004752-M, 020750128FLE , CCL006796-A, 020750220FLE , 020750444FLE , 020750453FLE , 020750443FLE , 020750221FLE , CCL006968-A, CCL006961-A, CCL006798-A, CCL006959-A, CCL004748-M, CCL006788-A, CCL006800-A, CCL006801-A, CCL006960-A, CCL006797-A, CCL006802-A, CCL004700-M, CCL006792-A, CCL006793-A, CCL006794-A, CCL006965-A, CCL006790-A, CCL006789-A, CCL006963-A, CCL006964-A, CCL004745-M, CCL006803-A, CCL004749-M, CCL004747-M, CCL006799-A, 020750388FLE , CCL006966-A, CCL004751-M, CCL006969-A, CCL006947-A, CCL004692-M, CCL006787-A, 020750387FLE , CCL006958-A, CCL006962-A, CCL006967-A, RAD-203144, CCL006976-A,
June 14, 2025	138,326		[illegible], CCL004693-M, RAD-203146, RAD-202004, RAD-203148, RAD-203142, RAD-203145, RAD-203141, RAD-203147, RAD-203149, CCL004693-M, CCL004701-M, CCL004697-M, CCL006953-A, CCL004694-M, CCL006978-A, CCL004696-M, CCL006951-A, CCL006952-A, CCL006950-A, CCL006971-A, CCL006949-A, CCL006972-A, CCL006791-A, CCL004690-M, CCL004702-M
June 15, 2025	71,966		[illegible], CCL004698-M, CCL006977-A, CCL006973-A, CCL006955-A, CCL006970-A, CCL006956-A, RAD-202005, RAD-203108, RAD-202006, CCL004698-M, CCL006979-A, CCL006985-A, CCL006986-A

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
June 16, 2025	301,615		CCL004709-M, CCL006988-A, CCL006985-A, CCL006984-A, CCL006981-A, CCL006982-A, RAD-203109, RAD-203121, RAD-203110, CCL004709-M, CCL004705-M, 020750454FLE, CCL004711-M, CCL007018-A, CCL004703-M, CCL006992-A, CCL006994-A, CCL004708-M, 020750425FLE, CCL007013-A, 020750455FLE, CCL004750-M, CCL006998-A, CCL007006-A, CCL007007-A, CCL007009-A, CCL007001-A, CCL007015-A, CCL004713-M, CCL007010-A, CCL007012-A, CCL006989-A, CCL004699-M, CCL004706-M, CCL006997-A, CCL007003-A, CCL007014-A, CCL007019-A, CCL006991-A, CCL007017-A, CCL006954-A, CCL004695-M, CCL007002-A, CCL004707-M, CCL006996-A, CCL006987-A, CCL004704-M, CCL004710-M, CCL006990-A, CCL007008-A, CCL006999-A, CCL007004-A, CCL007000-A, RAD-
June 17, 2025	349,271		RAD-203119, RAD-203118, RAD-203117, RAD-203122, CCL004715-M, CCL004051-M, 020750426FLE, 020750457FLE, CCL007025-A, CCL004055-M, CCL004059-M, CCL007065-A, CCL004052-M, CCL007060-A, CCL004058-M, CCL007034-A, CCL007023-A, CCL007035-A, CCL007022-A, CCL007026-A, CCL007037-A, CCL007063-A, CCL004049-M, CCL007058-A, CCL004717-M, CCL007031-A, CCL004712-M, CCL007033-A, CCL004050-M, CCL007024-A, CCL007042-A, CCL007056-A, CCL007041-A, CCL007059-A, CCL007030-A, CCL004503-M, CCL007043-A, CCL007061-A, CCL007020-A, CCL007039-A, 020750456FLE, CCL007027-A, CCL007038-A, CCL007036-A, RAD-201997, CCL004048-M, CCL007028-A, RAD-203115, CCL004718-M, CCL004716-M, CCL007062-A, CCL007064-A, CCL007021-A, CCL004714-M, CCL007040-A, RAD-203116, CCL007029-A, RAD-203112
June 18, 2025	317,017		CCL004717-M, RAD-203130, RAD-203129, CCL007057-A, RAD-203111, RAD-203114, RAD-202002, RAD-203113, RAD-203126, CCL004777-M, CCL004060-M, CCL004774-M, CCL007072-A, CCL004067-M, CCL007045-A, 020750552FLE , CCL007048-A, 020750445FLE , CCL007069-A, 020750551FLE , 020750553FLE , CCL007081-A, CCL004065-M, CCL007078-A, CCL004063-M, CCL007070-A, CCL007082-A, CCL007085-A, CCL007046-A, CCL007049-A, CCL004778-M, CCL004062-M, CCL007071-A, CCL007052-A, CCL007073-A, CCL007047-A, CCL004772-M, CCL007068-A, CCL007084-A, CCL007050-A, CCL004064-M, CCL007054-A, CCL007051-A, CCL004057-M, CCL007077-A, CCL007075-A, CCL004068-M, CCL004053-M, CCL007076-A, 020750222FLE , CCL007066-A, CCL007074-A, CCL004061-M, 020750554FLE , CCL004066-M, CCL007053-A, CCL004773-M, RAD-203133
June 19, 2025	313,324		CCL004795-M, CCL007060-A, CCL007057-A, CCL007059-A, CCL002078-X, 020750427FLE , RAD-203127, RAD-203132, CCL004795-M, 020750458FLE , CCL007105-A, CCL007086-A, CCL004788-M, CCL004785-M, 020750559FLE , CCL007123-A, CCL004791-M, 020750446FLE , CCL007108-A, CCL004792-M, CCL007115-A, CCL007124-A, CCL004779-M, CCL007111-A, 020750556FLE , 020750555FLE , CCL004782-M, 020750560FLE , CCL004783-M, CCL004793-M, CCL004790-M, CCL007107-A, CCL007119-A, CCL007116-A, 020750557FLE , CCL007113-A, 020750346FLE , CCL007117-A, CCL007114-A, CCL007120-A, CCL007118-A, CCL004789-M, CCL004786-M, CCL007112-A, CCL007104-A, CCL004781-M, 020750561FLE , CCL007122-A, 020750558FLE , CCL007121-A, CCL007106-A, CCL007109-A, CCL004780-M, CCL004784-M, CCL007083-A,
June 20, 2025	352,717		020750562FLE , CCL007147-M, RAD-203131, RAD-203135, RAD-203133, RAD-203130, CCL002079-X, RAD-202003, RAD-203134, 020750132FLE , CCL004485-M, 020750500FLE , CCL004796-M, CCL004478-M, CCL007144-A, CCL004473-M, 020750502FLE , 020750129FLE , 020750562FLE , CCL007142-A, 020750564FLE , CCL007147-A, 020750348FLE , 020750130FLE , CCL004483-M, CCL004472-M, CCL007151-A, CCL007136-A, 020750602FLE , CCL007152-A, 020750565FLE , CCL007129-A, CCL004799-M, CCL007131-A, CCL007143-A, 020750501FLE , CCL004798-M, CCL007138-A, CCL007146-A, CCL007137-A, 020750131FLE , CCL004479-M, CCL007153-A, CCL004797-M, CCL007134-A, CCL004069-M, CCL004481-M, CCL007130-A, CCL007128-A, 020750563FLE , CCL007125-A, CCL007127-A, CCL007140-A, CCL007156-A, CCL004775-M, 020750347FLE , CCL007148-A, CCL007145-A, CCL007154-A, CCL007150-A, CCL004480-M, CCL007141-A, CCL004482-M, CCL007155-A, CCL007132-

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
June 21, 2025	165,120		CCL004489-M, CCL007133-A, CCL007135-A, CCL004800-M, CCL007139-A, CCL002080-X, CCL002081-X, RAD-203044, RAD-203045, CCL004489-M, CCL007103-A, CCL007094-A, CCL007092-A, CCL004474-M, CCL004476-M, CCL004487-M, 020750349FLE, CCL004486-M, CCL007089-A, CCL004484-M, CCL004492-M, CCL004495-M, CCL007102-A, CCL007098-A, CCL007097-A, CCL007090-A, CCL007100-A, CCL004475-M, CCL007099-A,
June 22, 2025	77,484		CCL007159-A, CCL007101-A, CCL007095-A, CCL004491-M, CCL007093-A, CCL007096-A, CCL007091-A, CCL007088-A, RAD-203176, CCL007159-A, CCL004488-M, CCL007087-A, CCL004770-M, CCL007163-A, CCL004490-M
June 23, 2025	324,968		CCL007157-A, CCL007165-A, CCL007158-A, RAD-203175, CCL004771-M, CCL004759-M, 020750350FLE, 020750351FLE, CCL007167-A, CCL007171-A, CCL004763-M, CCL004769-M, 020750428FLE, CCL007184-A, CCL007172-A, 020750566FLE, CCL007178-A, CCL007187-A, CCL007177-A, CCL007183-A, CCL004494-M, CCL007179-A, CCL007189-A, CCL004760-M, CCL007198-A, CCL007176-A, CCL007175-A, CCL007166-A, CCL007168-A, CCL004765-M, 020750503FLE, CCL007185-A, CCL007188-A, CCL004767-M, CCL007182-A, 020750460FLE, CCL004764-M, CCL007173-A, CCL007193-A, CCL007169-A, CCL007181-A, CCL007174-A, CCL007170-A, CCL007186-A, CCL007190-A, CCL007194-A, CCL004761-M, CCL007191-A, CCL004766-M, CCL007192-A, CCL007199-A, CCL007180-A, CCL007197-A,
June 24, 2025	338,110		RAD-203172, RAD-203174, RAD-203050, RAD-203051, CCL007292-A, CCL007293-A, RAD-203049, CCL007294-A, CCL007295-A, CCL007296-A, CCL007297-A, CCL007298-A, CCL007299-A, RAD-203048, RAD-203171, CCL007301-A, CCL007302-A, CCL007304-A, CCL007303-A, CCL007305-A, RAD-203181, CCL004758-M, RAD-203180, CCL007306-A, CCL004756-M, CCL007307-A, CCL007308-A, RAD-203177, RAD-203179, CCL004755-M, CCL004754-M, CCL007310-A, CCL007309-A, CCL004753-M, CCL007269-A, CCL004840-M, CCL004841-M, CCL007270-A, CCL007271-A, CCL007272-A, CCL004842-M, CCL004843-M, CCL007274-A, CCL004844-M, CCL004845-M, CCL007275-A, CCL004846-M, CCL007276-A, CCL004847-M, CCL007277-A, CCL007279-A, CCL007280-A, CCL007281-A, RAD-203178, CCL007282-A, RAD-203047, CCL007300-A
June 25, 2025	367,983		020750569FLE, 020750352FLE, 020750134FLE, 020750504FLE, 020750429FLE, CCL007284-A, CCL004848-M, CCL007285-A, CCL004849-M, CCL007286-A, CCL004850-M, CCL007288-A, CCL007287-A, RAD-203154, CCL007289-A, CCL007290-A, CCL002075-X, CCL007291-A, CCL007200-A, RAD-203169, CCL007203-A, RAD-203168, CCL007204-A, CCL007205-A, RAD-203167, RAD-203166, CCL007206-A, RAD-203165, CCL007207-A, CCL007202-A, CCL007208-A, CCL004851-M, CCL007201-A, CCL004852-M, CCL002083-X, CCL004853-M, CCL007283-A, CCL004854-M, CCL007209-A, CCL004856-M, CCL007268-A, CCL004855-M, CCL004857-M, CCL007267-A, CCL007266-A, CCL007265-A, CCL007264-A, CCL007263-A, RAD-203163, CCL004858-M, CCL007262-A, CCL004859-M, CCL004860-M, CCL004861-M, CCL004862-M, CCL007261-A, RAD-203160, CCL007260-A, CCL007259-A, CCL007258-A, CCL007255-A, CCL007256-A
June 26, 2025	342,608		020750353FLE , 020750430FLE , 020750572FLE , 020750573FLE , RAD-203164, CCL007248-A, CCL007249-A, CCL004863-M, CCL007254-A, CCL007253-A, CCL007251-A, CCL004864-M, CCL007250-A, CCL007252-A, RAD-203159, RAD-203158, CCL007247-A, RAD-203157, CCL007246-A, RAD-203156, RAD-203155, CCL002118-X, CCL007311-A, CCL007313-A, CCL007314-A, CCL007315-A, CCL007316-A, CCL007317-A, CCL007318-A, CCL004865-M, CCL002127-X, CCL004866-M, CCL007321-A, CCL004867-M, CCL004869-M, CCL004868-M, CCL004870-M, CCL007322-A, CCL004871-M, RAD-203046, CCL007323-A, CCL007324-A, CCL007325-A, RAD-203143, CCL007326-A, CCL007327-A, CCL007350-A, CCL007312-A, CCL004872-M, CCL007328-A, CCL004873-M, CCL007329-A, CCL007330-A, CCL007331-A, CCL007332-A, CCL007333-A, CCL004875-M, CCL004876-M

Chiquita Canyon Landfill
Site Generated Leachate and Condensate Disposal
2025

Service Date	Quantity (gallons) &		
	Leachate	Condensate	Disposal Manifest Number
June 27, 2025	311,311		[illegible] 020750574FLE , 020750575FLE , 020750576FLE , 020750577FLE , CCL004878-M, CCL007338-A, CCL004879-M, CCL007339-A, RAD-203183, CCL004880-M, CCL007340-A, RAD-203206, CCL007341-A, CCL007342-A, CCL004881-M, CCL007343-A, CCL007344-A, RAD-203204, CCL007345-A, RAD-203203, CCL004882-M, CCL002117-X, RAD-203202, RAD-203207, RAD-203201, CCL007346-A, RAD-203200, CCL004883-M, CCL004884-M, CCL004885-M, CCL004886-M, CCL002141-X, CCL004887-M, CCL004888-M, CCL007347-A, CCL004889-M, CCL007349-A, CCL007351-A, CCL004890-M, CCL007352-A, CCL007353-A, CCL004892-M, CCL004893-M, RAD-203199, CCL007354-A, CCL004895-M, CCL007355-A, CCL007356-A, CCL007357-A, CCL004896-M, CCL004897-M, RAD-203205, CCL004874-M, CCL004891-M, CCL007359-A
June 28, 2025	76,861		CCL004899-M, 020750136FLE , 020750137FLE , 020750138FLE , 020750505FLE , 020750507FLE , 020750508FLE , 020750431FLE , 020750462FLE , CCL004899-M, CCL004898-M, CCL007360-A, CCL007364-A, CCL004900-M
June 29, 2025	81,979		CCL007361-A, CCL007358-A, CCL004901-M, CCL004904-M, CCL004902-M, CCL004903-M, RAD-203197, CCL004905-M, CCL004906-M, CCL007361-A, CCL007362-A, CCL007363-A, CCL007365-A, CCL007367-A, CCL007368-A, CCL007245-A, RAD-203196
June 30, 2025	311,633		[illegible] CCL007211-A, CCL004839-M, CCL007348-A, CCL007217-A, CCL007214-A, CCL007215-A, RAD-203192, CCL007216-A, CCL007218-A, CCL007219-A, RAD-203193, CCL007220-A, CCL007366-A, CCL007221-A, CCL007222-A, RAD-203194, CCL007223-A, CCL007231-A, CCL007224-A, CCL007225-A, CCL004801-M, CCL007403-A, CCL007226-A, CCL004802-M, CCL004803-M, CCL004804-M, RAD-203191, CCL004805-M, CCL004806-M, CCL004807-M, CCL004808-M, CCL007228-A, CCL007229-A, RAD-203190, CCL007230-A, RAD-203188, RAD-203189, CCL007232-A, CCL007233-A, CCL007234-A, CCL007227-A, CCL007235-A, CCL007237-A, CCL004812-M, CCL007238-A, CCL007239-A, RAD-203187, CCL004811-M, CCL004810-M, CCL007373-A, CCL007374-A, CCL007375-A, CCL004813-M
June 2025 Total	**7,658,861**	**-**	

APPENDIX J

WASTE ACCEPTANCE REPORT

APPENDIX J

WASTE ACCEPTANCE REPORT

FIRST SEMIANNUAL 2025

The California Regional Water Quality Control Board, Los Angeles Region (RWQCB) adopted Order No. R4-2011-0052 (Order) in March 2011 which amended the waste discharge requirements (WDRs) for the Chiquita Canyon Landfill (CCL). The Order serves as the WDRs for the "disposal of non-designated/non-hazardous contaminated soils and the onsite use of non-hazardous contaminated soils or related wastes" at municipal solid waste (MSW) landfills. The Order defines "contaminated soils" as soils that are impacted by pollutants listed in the WDRs, but in low enough concentrations that the soil is not a designated or hazardous waste.

In compliance with the Order, CCL submitted an updated Waste Acceptance Plan (WAP) (revised April 29, 2011) to the RWQCB Executive Officer for approval. The WAP describes the procedures that have been implemented at CCL for obtaining and approving soil profiling information, testing procedures for waste constituents accepted, site-specific threshold levels for all appropriate wastes accepted (for disposal or reuse), and a description of the personnel responsible for implementing the plan. CCL's Special Waste reporting requirements are described in Section 3.0 of the WAP.

This document provides the Special Waste acceptance and disposal information for the fourth quarter of 2024 and the first quarter of 2025 (October 2024 – March 2025) as described in the WAP, and as required by Section F (Reporting Requirements) of the Order. Data collected during the second and third quarters of 2025 (April 2025 – September 2025) will be included in the second semiannual report for 2025 (due January 31, 2026).

Each of the specific reporting requirements, as specified in Section F of the Order, is addressed in the following paragraphs:

1. The report shall include a summary of the types, volumes and disposal or onsite use for all wastes accepted pursuant to the requirements of the Order.

During the reporting period (October 1, 2024 through March 31, 2025), approximately 96,451 tons of Special Waste were accepted for disposal and/or use at CCL. Table 1 summarizes the types and volumes of wastes accepted and identifies the final disposition of the wastes (disposal or beneficial use). All 96,451 tons of Special Waste were used or disposed of within the active portion of the lined landfill. No Special Waste was used outside the lined landfill boundary.

2. The report shall include a compilation of all waste profiling information utilized by CCL to implement the program requirements including all sampling, measurement and analytical results including:

- **Date, exact place and time of the sampling or measurement;**
- **Individual(s) who did the sampling or measurement;**
- **Date(s) the analyses were done;**
- **Analyses names;**
- **Analytical techniques or methods used to profile contaminated soils or wastes.**

As described in Section 1.4 of the WAP, Special Wastes are defined as wastes that require analysis and testing (profiling) prior to acceptance due to their component make-up. CCL maintains a working knowledge of waste received using two approaches: 1) prequalification of specific wastes prior to transport to the facility, and 2) evaluation of waste loads received at the facility. The prequalification process includes the following components:

1) Each generator of a Special Waste is required to complete and certify a Special Waste Profile form, or a similar form, prior to the initial shipment of their wastes to CCL. The profile form includes generator, customer and transporter information, as well as a waste stream description (common name of material or waste stream, description of the process generating the waste, and waste characteristics), and generator certification.

2) The CCL Special Waste Coordinator (SWC) will evaluate the profile form along with other required documentation to determine whether the waste stream is acceptable. Additional documentation includes certified analytical reports (CARs) and chain of custody documentation (COCs) from a California Department of Health Services (DHS) Accredited Environmental Laboratory, special waste (non-hazardous) manifests, Material Safety Data Sheet(s), and a description of the process(es) generating the waste.

3) The SWC will determine whether correct and sufficient information has been provided by the generator and whether the waste stream is within CCL's acceptance criteria. The SWC will communicate with the generator regarding specific concerns, or missing or incomplete information.

4) If the waste stream is deemed acceptable for use and/or disposal at CCL, the SWC identifies the approved "disposal method," defines any special handling instructions for the waste, and assigns a unique Special Waste Profile Approval Number to the waste stream. The approval number, which is unique to the generator and the waste stream, allows CCL to electronically track the incoming wastes and the associated documentation for each waste stream. Each approval number (and profile form) is dated and given an expiration date, depending on the type of waste and the generating process(es).

Table 2 summarizes the special wastes that were approved at CCL during the current reporting period, presented numerically by CCL approval number. The table also provides the generator's name, the waste stream description, and notes regarding CARs and COCs. Copies of the relevant CARs and COCs are provided in Attachment A. The CARs and the COCs provide the required information regarding the individuals collecting representative samples, the type and number of samples collected, the analyses conducted, and the results of those analyses.

TABLE 1
SPECIAL WASTE DISPOSAL SUMMARY
Chiquita Canyon Landfill

Month	Profile Number	Tons	Use
Oct-24	CQ-23-659	32	Disposal
Oct-24	CQ-23-725	34	Disposal
Oct-24	CQ-22-162	12	Disposal
Oct-24	CQ-24-40	21	Disposal
Oct-24	CQ-22-307	10	Disposal
Oct-24	CQ-22-419	10	Disposal
Oct-24	CQ-22-436	1102	Beneficial
Oct-24	CQ-22-605	632	Beneficial
Oct-24	CQ-22-834	4	Beneficial
Oct-24	CQ-23-79	85	Beneficial
Oct-24	CQ-23-126	29	Beneficial
Oct-24	CQ-23-364	115	Beneficial
Oct-24	CQ-23-365	22	Beneficial
Oct-24	CQ-23-628	21	Beneficial
Oct-24	CQ-23-636	8	Disposal
Oct-24	CQ-24-143	493	Beneficial
Oct-24	CQ-23-652	326	Beneficial
Oct-24	CQ-23-657	260	Beneficial
Oct-24	CQ-24-105	2680	Beneficial
Oct-24	CQ-24-115	7	Disposal
Oct-24	CQ-24-119	3	Disposal
Oct-24	CQ-24-123	51	Disposal
Oct-24	CQ-24-125	125	Disposal
Oct-24	CQ-24-128	38	Beneficial
Oct-24	CQ-24-187	36	Beneficial
Oct-24	CQ-24-212	9	Beneficial
Oct-24	CQ-24-256	85	Beneficial
Oct-24	CQ-24-268	102	Beneficial
Oct-24	CQ-24-306	294	Disposal
Oct-24	CQ-24-345	18	Beneficial
Oct-24	CQ-24-369	16	Beneficial
Oct-24	CQ-24-371	5	Beneficial
Oct-24	CQ-24-373	13	Beneficial
Oct-24	CQ-24-379	14	Beneficial
Oct-24	CQ-24-394	15	Disposal
Oct-24	CQ-24-400	10	Beneficial
Oct-24	CQ-24-404	31	Beneficial
Oct-24	CQ-24-406	18	Beneficial
Oct-24	CQ-24-413	58	Beneficial
Oct-24	CQ-24-414	14	Beneficial
Oct-24	CQ-24-422	2771	Beneficial
Oct-24	CQ-24-426	20	Beneficial
Oct-24	CQ-24-431	22	Disposal
Oct-24	CQ-24-432	19	Disposal

TABLE 1
SPECIAL WASTE DISPOSAL SUMMARY
Chiquita Canyon Landfill

Month	Profile Number	Tons	Use
Oct-24	CQ-24-433	7	Disposal
Oct-24	CQ-24-434	11	Disposal
Oct-24	CQ-24-4396	33	Disposal
Oct-24	CQ-24-442	1000	Beneficial
Oct-24	CQ-24-447	8	Beneficial
Oct-24	CQ-24-448	17	Beneficial
Oct-24	CQ-24-450	11	Disposal
Oct-24	CQ-24-457	13	Beneficial
Oct-24	CQ-24-459	13	Disposal
Oct-24	CQ-24-460	20866	Beneficial
Oct-24	CQ-24-463	68	Beneficial
Oct-24	CQ-24-464	45	Beneficial
Oct-24	CQ-24-466	11	Beneficial
Oct-24	CQ-24-467	48	Beneficial
Oct-24	CQ-24-468	12	Beneficial
Oct-24	CQ-24-469	44	Beneficial
Oct-24	CQ-24-470	45	Beneficial
Oct-24	CQ-24-471	53	Beneficial
Oct-24	CQ-24-472	42	Beneficial
Oct-24	CQ-24-473	4	Beneficial
Oct-24	CQ-24-474	28	Beneficial
Oct-24	CQ-24-475	28	Beneficial
Oct-24	CQ-24-476	26	Beneficial
Oct-24	CQ-24-477	32	Beneficial
Oct-24	CQ-24-478	7	Beneficial
Oct-24	CQ-24-479	35	Beneficial
Oct-24	CQ-24-480	24	Beneficial
Oct-24	CQ-24-482	24	Beneficial
Oct-24	CQ-24-483	46	Beneficial
Oct-24	CQ-24-484	22	Beneficial
Oct-24	CQ-24-485	49	Beneficial
Oct-24	CQ-24-486	3	Beneficial
Oct-24	CQ-24-488	72	Disposal
Oct-24	CQ-24-489	9	Beneficial
Oct-24	CQ-24-491	379	Beneficial
Oct-24	CQ-24-492	17	Beneficial
Oct-24	CQ-24-493	44	Beneficial
Oct-24	CQ-24-494	5	Beneficial
Oct-24	CQ-24-495	37	Beneficial
Oct-24	CQ-24-496	413	Beneficial
Oct-24	CQ-24-497	472	Beneficial
Oct-24	CQ-24-498	822	Beneficial
Oct-24	CQ-24-505	18	Beneficial
Oct-24	CQ-23-507	40	Beneficial

TABLE 1
SPECIAL WASTE DISPOSAL SUMMARY
Chiquita Canyon Landfill

Month	Profile Number	Tons	Use
Oct-24	CQ-24-507	42	Beneficial
Oct-24	CQ-24-510	32	Beneficial
Oct-24	CQ-24-513	11	Beneficial
Oct-24	CQ-24-514	24	Beneficial
Oct-24	CQ-24-515	48	Beneficial
Oct-24	CQ-24-516	59	Beneficial
Oct-24	CQ-24-517	65	Beneficial
Oct-24	CQ-24-520	104	Beneficial
Oct-24	CQ-24-522	460	Beneficial
Oct-24	CQ-24-524	59.92	Beneficial
Oct-24	CQ-24-526	1152	Beneficial
Oct-24	CQ-24-527	53	Beneficial
Oct-24	CQ-24-528	106	Beneficial
Oct-24	CQ-24-529	18	Beneficial
Oct-24	CQ-24-531	20	Beneficial
Oct-24	CQ-24-532	31	Beneficial
Oct-24	CQ-24-533	10	Beneficial
Oct-24	CQ-24-534	51	Beneficial
Oct-24	CQ-24-535	1205	Beneficial
Oct-24	CQ-24-541	235	Beneficial
Oct-24	CQ-24-544	13	Beneficial
Oct-24	CQ-24-546	61	Beneficial
Oct-24	CQ-24-547	137	Beneficial
Nov-24	CQ-24-393	7	Disposal
Nov-24	CQ-23-659	38	Beneficial
Nov-24	CQ-23-725	10	Disposal
Nov-24	CQ-22-162	7	Disposal
Nov-24	CQ-24-40	24	Disposal
Nov-24	CQ-22-418	29	Disposal
Nov-24	CQ-22-436	269	Beneficial
Nov-24	CQ-22-520	15	Beneficial
Nov-24	CQ-22-522	1	Beneficial
Nov-24	CQ-22-756	187	Beneficial
Nov-24	CQ-22-834	1	Beneficial
Nov-24	CQ-23-79	19	Beneficial
Nov-24	CQ-23-221	96	Beneficial
Nov-24	CQ-23-237	52	Beneficial
Nov-24	CQ-23-304	6	Beneficial
Nov-24	CQ-23-339	3	Beneficial
Nov-24	CQ-23-652	617	Beneficial
Nov-24	CQ-23-674	1	Disposal
Nov-24	CQ-23-693	96	Beneficial
Nov-24	CQ-23-715	316	Beneficial
Nov-24	CQ-24-1	8	Beneficial

TABLE 1
SPECIAL WASTE DISPOSAL SUMMARY
Chiquita Canyon Landfill

Month	Profile Number	Tons	Use
Nov-24	CQ-24-105	2823	Beneficial
Nov-24	CQ-23-496	3	Disposal
Nov-24	CQ-24-115	2	Disposal
Nov-24	CQ-24-125	162	Disposal
Nov-24	CQ-24-144	6	Beneficial
Nov-24	CQ-24-178	3	Beneficial
Nov-24	CQ-24-239	30	Beneficial
Nov-24	CQ-24-268	75	Beneficial
Nov-24	CQ-24-306	710	Disposal
Nov-24	CQ-24-328	16	Disposal
Nov-24	CQ-24-345	14	Beneficial
Nov-24	CQ-24-355	74	Beneficial
Nov-24	CQ-24-367	74	Beneficial
Nov-24	CQ-24-382	5	Disposal
Nov-24	CQ-24-394	7	Disposal
Nov-24	CQ-24-414	78	Beneficial
Nov-24	CQ-24-415	30	Beneficial
Nov-24	CQ-24-422	183	Beneficial
Nov-24	CQ-24-423	420	Beneficial
Nov-24	CQ-24-431	35	Disposal
Nov-24	CQ-24-432	30	Disposal
Nov-24	CQ-24-433	17	Disposal
Nov-24	CQ-24-434	9	Disposal
Nov-24	CQ-24-4396	15	Disposal
Nov-24	CQ-24-450	6	Disposal
Nov-24	CQ-24-458	19	Disposal
Nov-24	CQ-24-460	10567	Beneficial
Nov-24	CQ-24-483	15	Beneficial
Nov-24	CQ-24-485	32	Beneficial
Nov-24	CQ-24-498	316	Beneficial
Nov-24	CQ-24-505	821	Beneficial
Nov-24	CQ-24-508	36	Beneficial
Nov-24	CQ-24-524	81	Beneficial
Nov-24	CQ-24-527	34	Beneficial
Nov-24	CQ-24-535	1824	Beneficial
Nov-24	CQ-24-536	107	Beneficial
Nov-24	CQ-24-537	26	Beneficial
Nov-24	CQ-24-538	32	Beneficial
Nov-24	CQ-24-539	177	Beneficial
Nov-24	CQ-24-540	10	Beneficial
Nov-24	CQ-24-542	39	Beneficial
Nov-24	CQ-24-544	15.5	Beneficial
Nov-24	CQ-24-545	157	Disposal
Nov-24	CQ-24-546	24	Beneficial

TABLE 1
SPECIAL WASTE DISPOSAL SUMMARY
Chiquita Canyon Landfill

Month	Profile Number	Tons	Use
Nov-24	CQ-24-547	182	Beneficial
Nov-24	CQ-24-548	101	Beneficial
Nov-24	CQ-24-551	5	Beneficial
Nov-24	CQ-24-552	56	Beneficial
Nov-24	CQ-24-553	30	Beneficial
Nov-24	CQ-24-555	3	Beneficial
Nov-24	CQ-24-557	36	Beneficial
Nov-24	CQ-24-558	43	Beneficial
Nov-24	CQ-24-559	98	Beneficial
Nov-24	CQ-24-560	45	Beneficial
Nov-24	CQ-24-562	29	Beneficial
Nov-24	CQ-24-565	2	Beneficial
Nov-24	CQ-24-567	44	Beneficial
Nov-24	CQ-24-561	276	Beneficial
Nov-24	CQ-24-568	69	Beneficial
Nov-24	CQ-24-569	16	Disposal
Nov-24	CQ-24-570	17	Beneficial
Nov-24	CQ-24-571	116	Beneficial
Nov-24	CQ-24-573	41	Beneficial
Nov-24	CQ-24-575	133	Beneficial
Nov-24	CQ-24-578	37	Beneficial
Nov-24	CQ-24-580	12	Beneficial
Nov-24	CQ-24-582	3	Beneficial
Nov-24	CQ-24-583	4	Beneficial
Nov-24	CQ-24-584	56	Beneficial
Nov-24	CQ-24-585	2	Beneficial
Nov-24	CQ-24-586	28	Beneficial
Nov-24	CQ-24-587	32	Disposal
Nov-24	CQ-24-588	632	Beneficial
Nov-24	CQ-24-589	1400	Beneficial
Nov-24	CQ-24-590	29	Beneficial
Nov-24	CQ-24-592	16	Beneficial
Dec-24	CQ-23-659	23	Disposal
Dec-24	CQ-23-725	12	Disposal
Dec-24	CQ-24-40	70	Disposal
Dec-24	CQ-22-419	38	Disposal
Dec-24	CQ-22-543	51	Disposal
Dec-24	CQ-22-706	24	Beneficial
Dec-24	CQ-23-52	87	Beneficial
Dec-24	CQ-23-237	3	Beneficial
Dec-24	CQ-23-360	68	Beneficial
Dec-24	CQ-23-674	73	Disposal
Dec-24	CQ-24-105	2359	Beneficial
Dec-24	CQ-23-496	4	Disposal

TABLE 1
SPECIAL WASTE DISPOSAL SUMMARY
Chiquita Canyon Landfill

Month	Profile Number	Tons	Use
Dec-24	CQ-24-115	0	Disposal
Dec-24	CQ-24-125	383	Disposal
Dec-24	CQ-24-156	5	Disposal
Dec-24	CQ-24-234	887	Beneficial
Dec-24	CQ-24-306	891	Disposal
Dec-24	CQ-24-410	29	Beneficial
Dec-24	CQ-24-422	1049	Beneficial
Dec-24	CQ-24-431	10	Disposal
Dec-24	CQ-24-432	21	Disposal
Dec-24	CQ-24-433	5	Disposal
Dec-24	CQ-24-434	12	Disposal
Dec-24	CQ-24-444	10	Beneficial
Dec-24	CQ-24-450	13	Disposal
Dec-24	CQ-24-458	11	Disposal
Dec-24	CQ-24-459	27	Disposal
Dec-24	CQ-24-460	5762	Beneficial
Dec-24	CQ-24-465	9.2	Disposal
Dec-24	CQ-24-498	64	Beneficial
Dec-24	CQ-24-500	8	Disposal
Dec-24	CQ-24-501	4	Disposal
Dec-24	CQ-24-505	174	Beneficial
Dec-24	CQ-24-518	5	Beneficial
Dec-24	CQ-24-522	26	Beneficial
Dec-24	CQ-24-523	600	Beneficial
Dec-24	CQ-24-525	4147	Beneficial
Dec-24	CQ-24-544	52	Beneficial
Dec-24	CQ-24-556	58	Beneficial
Dec-24	CQ-24-562	153	Beneficial
Dec-24	CQ-24-563	74	Beneficial
Dec-24	CQ-24-564	410	Beneficial
Dec-24	CQ-24-566	18	Beneficial
Dec-24	CQ-24-572	30	Beneficial
Dec-24	CQ-24-577	101	Beneficial
Dec-24	CQ-24-579	133	Beneficial
Dec-24	CQ-24-587	19	Disposal
Dec-24	CQ-24-589	5320	Beneficial
Dec-24	CQ-24-591	40	Beneficial
Dec-24	CQ-24-593	3	Beneficial
Dec-24	CQ-24-594	8	Beneficial
Dec-24	CQ-24-595	417	Beneficial
Dec-24	CQ-24-599	62	Beneficial
Dec-24	CQ-24-602	20	Beneficial
Dec-24	CQ-24-604	99	Beneficial

TABLE 1
SPECIAL WASTE DISPOSAL SUMMARY
Chiquita Canyon Landfill

Month	Profile Number	Tons	Use
Dec-24	CQ-24-608	0	Beneficial
Dec-24	CQ-24-610	102	Beneficial
Dec-24	CQ-24-611	18	Beneficial
Dec-24	CQ-24-612	56	Beneficial
Dec-24	CQ-24-613	94	Beneficial
Dec-24	CQ-24-614	33	Beneficial
Dec-24	CQ-24-615	44	Beneficial
Dec-24	CQ-24-616	13	Beneficial
Dec-24	CQ-24-619	40	Beneficial
Dec-24	CQ-24-620	122	Beneficial
Dec-24	CQ-24-618	2	Beneficial
Dec-24	CQ-24-622	95	Beneficial
Dec-24	CQ-24-623	26	Beneficial
Dec-24	CQ-24-624	3	Disposal
Dec-24	CQ-24-626	43	Beneficial
Dec-24	CQ-24-627	68	Disposal
Dec-24	CQ-24-627D	271	Disposal
Dec-24	CQ-24-628	11	Beneficial
Dec-24	CQ-24-629	39	Beneficial
Dec-24	CQ-24-630	5747	Beneficial
Dec-24	CQ-24-631	5	Disposal
Dec-24	CQ-24-632	1240	Beneficial
Dec-24	CQ-24-633	15	Beneficial
Dec-24	CQ-24-634	13	Beneficial
Dec-24	CQ-24-635	531	Beneficial
Dec-24	CQ-24-636	7	Disposal
Dec-24	CQ-24-637	35	Disposal
Jan-25	CQ-24-125	77	Disposal
Feb-25	CQ-24-125	303	Disposal
Mar-25	CQ-24-125	174	Disposal

TABLE 2
SPECICAL WASTE PROFILE INFORMATION
Chiquita Canyon Landfill

Profile No.	Generator	Waste Desription	Sampler	Lab Report Attached
CQ-24-477	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-478	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-479	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-480	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-481	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-482	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-483	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-484	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-485	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-486	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-487	DTSC - Exide Residential Cleanup	Non-hazardous soil	National Engineering & Consulting Group	Yes
CQ-24-488	Caltrans	Asphalt grindings with paint chips	Timmerman Engineering Construction	Yes
CQ-24-489	Continental Development Corporation	Non-hazardous soil	Bowyer Environmental Consulting, Inc	Yes
CQ-24-490	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-491	IDIL Eckhoff Orange, LP	Non-hazardous soil	Hazard Management Consulting, Inc.	Yes
CQ-24-492	DTSC - Exide Residential Cleanup	Non-hazardous soil	National Engineering & Consulting Group	Yes
CQ-24-493	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-494	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-495	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-496	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-497	SANTA MONICA BOULEVARD OWNER, LLC	Non-hazardous soil	Citadel	Yes
CQ-24-498	7-Eleven #43060	Non-hazardous soil	Stantec	Yes
CQ-24-499	Los Angeles Dept. of Water and Power	Treated wood	n/a	Not required
CQ-24-500	Los Angeles Dept. of Water and Power	Treated wood	n/a	Not required
CQ-24-501	Los Angeles Dept. of Water and Power	Treated wood	n/a	Not required
CQ-24-502	Los Angeles Dept. of Water and Power	Treated wood	n/a	Not required
CQ-24-503	Los Angeles Dept. of Water and Power	Treated wood	n/a	Not required
CQ-24-504	Los Angeles Dept. of Water and Power	Treated wood	n/a	Not required
CQ-24-505	Tim Greenleaf Engineering	Non-hazardous soil	Frey Environmental, Inc.	Yes
CQ-24-506	Los Angeles Dept. of Water and Power	Treated wood	n/a	Not required
CQ-24-507	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-508	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-509	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-510	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-511	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-512	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-513	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-514	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-515	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-516	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-517	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-518	Griffith Company	Non-hazardous soil	Griffith Company	Yes
CQ-24-519	Caltrans	Treated wood	n/a	Not required
CQ-24-520	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-521	Union Pacific Railroad	Non-hazardous soil	Golder Associates Inc.	Yes

TABLE 2
SPECICAL WASTE PROFILE INFORMATION
Chiquita Canyon Landfill

Profile No.	Generator	Waste Desription	Sampler	Lab Report Attached
CQ-24-522	Hall Stewart & Gray Road LLC	Non-hazardous soil	SCS Engineers	Yes
CQ-24-523	AMFP V ANAHEIM LLC	Non-hazardous soil	Vertex Engineering	Yes
CQ-24-524	SpaceX	Non-hazardous soil	Belshire Environmental	Yes
CQ-24-525	Gardena Owner, L.P.	Non-hazardous soil	Roux Associates, Inc.	Yes
CQ-24-526	Redu Holdings, LLC	Non-hazardous soil	West Energy Operating	Yes
CQ-24-527	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-528	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-529	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-530	Sentinel Peak Resources California LLC-AG	Non-hazardous trash	American Integrated Services	Yes
CQ-24-531	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-532	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-533	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-534	SpaceX	Non-hazardous soil	Belshire Environmental	Yes
CQ-24-535	206 W. 196th St V1, LLC	Non-hazardous soil	Vertex Engineering	Yes
CQ-24-536	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-537	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-538	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-539	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-540	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-541	MJC Investment Property XV, LLC	Non-hazardous soil	SALEM Engineering Group	Yes
CQ-24-542	LAUSD	Non-hazardous soil	Eco & Associates, Inc	Yes
CQ-24-543	United Rentals	Non-hazardous soil	Patriot Environmental Services	Yes
CQ-24-544	SpaceX	Non-hazardous soil	Belshire Environmental	Yes
CQ-24-545	Naval Base Ventura County	Non-hazardous sand	Downstream Services, Inc.	Yes
CQ-24-546	Ramcast Ornamental	Non-hazardous soil	GSI Environmental Inc	Yes
CQ-24-547	City of West Hollywood	Non-hazardous soil	Miranda Logistics Enterprise, Inc.	Yes
CQ-24-548	STEM Preparatory	Non-hazardous soil	NV5 - Long Beach	Yes
CQ-24-549	Kindness General Contractors	Non-hazardous soil	Relativity Space	Yes
CQ-24-550	Evelyn Marie Curci Revocable Trust	Non-hazardous soil	Alpha Environmental	Yes
CQ-24-551	Union Pacific Railroad	Non-hazardous soil	UPRR	Yes
CQ-24-552	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-553	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-554	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-555	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-556	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-557	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-558	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-559	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-560	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-561	Limoneira Lewis Community Builders, LLC	Non-hazardous soil	Leighton Consulting, Inc.	Yes
CQ-24-562	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-563	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-564	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-565	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-566	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes

TABLE 2
SPECICAL WASTE PROFILE INFORMATION
Chiquita Canyon Landfill

Profile No.	Generator	Waste Desription	Sampler	Lab Report Attached
CQ-24-567	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-568	Honda World	Non-hazardous soil	LANGAN	Yes
CQ-24-569	Sterndahl Enterprises	Asphalt grindings	Sterndahl Enterprises Inc.	Yes
CQ-24-570	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-571	Relativity	Non-hazardous soil	Relativity Space	Yes
CQ-24-572	Clear Sky 425 Garden Street, LP.	Non-hazardous soil	Campbell Geo	Yes
CQ-24-573	Circle K Stores, Inc	Non-hazardous soil	Blaes Environmental Inc.	Yes
CQ-24-574	Pala Band of Mission Indians	Non-hazardous soil	GHD Services Inc.	Yes
CQ-24-575	Pala Band of Mission Indians	Non-hazardous soil	GHD Services Inc.	Yes
CQ-24-576	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-577	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-578	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-579	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-580	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-581	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-582	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-583	Long Beach Unified School District	Non-hazardous soil	Leighton Consulting, Inc.	Yes
CQ-24-584	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-585	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-586	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-587	Caltrans	Asphalt grindings with paint chips	Timmerman Engineering Construction	Yes
CQ-24-588	LAUSD	Non-hazardous soil	Baader Environmental Consulting, Inc.	Yes
CQ-24-589	City of Bell Gardens	Non-hazardous soil	Costera Waste & Environmental	Yes
CQ-24-590	Maverik, Inc.	Non-hazardous soil	Stantec	Yes
CQ-24-591	Roxford XC, LLC	Non-hazardous soil	Equipoise Corporation	Yes
CQ-24-592	Yvette Gonzales	Non-hazardous soil	American Integrated Services	Yes
CQ-24-593	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-594	Los Angeles Dept. of Power & Water	Non-hazardous soil	MBC Aquatic Sciences	Yes
CQ-24-595	SpaceX	Non-hazardous soil	Belshire Environmental	Yes
CQ-24-596	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-597	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-598	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-599	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-600	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-601	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-602	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-603	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-604	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-605	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-606	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-607	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-608	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-609	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-610	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-611	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes

TABLE 2
SPECICAL WASTE PROFILE INFORMATION
Chiquita Canyon Landfill

Profile No.	Generator	Waste Desription	Sampler	Lab Report Attached
CQ-24-612	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-613	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-614	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-615	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-616	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-617	DTSC - Exide Residential Cleanup	Non-hazardous soil	National Engineering & Consulting Group	Yes
CQ-24-618	Griffith Company	Non-hazardous soil	Griffith Company	Yes
CQ-24-619	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-620	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-621	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-622	Industrial Enterprises, ACLP	Non-hazardous soil	Citadel EHS	Yes
CQ-24-623	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-624	John Wayne Airport	Absorbant socks	Patriot Environmental Services	Yes
CQ-24-625	Long Beach Unified School District	Non-hazardous soil	Leighton Consulting, Inc.	Yes
CQ-24-626	Chiquita Canyon Landfill	Non-hazardous soil	CTEH Chiquita Canyon Landfill	Yes
CQ-24-627	Los Angeles Dept. of Power & Water	Non-hazardous soil, cement, and gravel	American Integrated Services	Yes
CQ-24-628	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-629	DTSC - Exide Residential Cleanup	Non-hazardous soil	Parsons	Yes
CQ-24-630	County of Ventura Department of Airports	Non-hazardous soil	LimnoTech, Inc.	Yes
CQ-24-631	City of Los Angeles Housing Department	Treated wood	n/a	Not required
CQ-24-632	RREEF America REIT Corp. BBB	Non-hazardous soil	Murex Environmental	Yes
CQ-24-633	Flavor Producers, Inc.	Non-hazardous soil	Costera Waste & Environmental	Yes
CQ-24-634	Bridgestone Retail Operations	Non-hazardous soil	WSP USA Inc.	Yes
CQ-24-635	Bridgestone Retail Operations, LLC	Non-hazardous soil	Capital Environmental Services	Yes
CQ-24-636	786 S Fair Oaks Mob LLC	Non-hazardous UST slurry	Vista Environmental Consulting, Inc	Yes
CQ-24-637	Los Angeles County Sanitation District	Non-hazardous soil w/ debris	Summit Environmental Contractors	Yes
CQ-24-638	LAUSD	Non-hazardous soil	RMA Group	Yes
CQ-24-639	Southern California Edison	Non-hazardous soil	Southern California Edison Company	Yes

NOTE: * Missing Profile/CAR/COC will be provided in future reports when they become available.

ATTACHMENT A

Special Waste Analytical Reports

Report Prepared For:

Parsons

Client Project Description:
D1259 - 3809 E 58th St, Maywood, CA 90270

ATL Work Order: 2401197

Date of Preparation: 07-25-2024

ATL is an analytical laboratory accredited by:
- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401197

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July 25, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401197

Client Reference : D1259 - 3809 E 58th St, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 16, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/25/24 14:11 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/25/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D1259-WC-A1A2	2401197-01	Soil	7/16/24 9:20	7/16/24 14:35
D1259-WC-A1A2A3	2401197-02	Soil	7/16/24 9:25	7/16/24 14:35

Certificate of Analysis

Parsons		Project Number :	D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/25/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 16th, 2024 at 14:35. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/25/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/25/2024

Client Sample ID: D1259-WC-A1A2
Lab ID: 2401197-01

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.3**	2.0	0.77	1	B4G0793	07/16/2024	07/24/24 19:11	
Arsenic	**2.2**	2.0	0.71	1	B4G0793	07/16/2024	07/24/24 19:11	
Cadmium	**0.43**	1.0	0.06	1	B4G0793	07/16/2024	07/24/24 19:11	J
Copper	**27**	1.0	0.22	1	B4G0793	07/16/2024	07/24/24 19:11	
Lead	**58**	1.0	0.18	1	B4G0793	07/16/2024	07/24/24 19:11	
Zinc	**130**	2.0	0.30	1	B4G0793	07/16/2024	07/24/24 19:11	

Client Sample ID: D1259-WC-A1A2A3
Lab ID: 2401197-02

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**2.9**	2.0	0.77	1	B4G0793	07/16/2024	07/24/24 19:13	
Arsenic	**1.9**	2.0	0.71	1	B4G0793	07/16/2024	07/24/24 19:13	J
Cadmium	**0.10**	1.0	0.06	1	B4G0793	07/16/2024	07/24/24 19:13	J
Copper	**25**	1.0	0.22	1	B4G0793	07/16/2024	07/24/24 19:13	
Lead	**34**	1.0	0.18	1	B4G0793	07/16/2024	07/24/24 19:13	
Zinc	**93**	2.0	0.30	1	B4G0793	07/16/2024	07/24/24 19:13	

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/25/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0793 - EPA 3050B_S										
Blank (B4G0793-BLK1)						Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0793-BS1)						Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	21.9039	2.0	0.77	25.0000		87.6	80 - 120			
Arsenic	23.7367	2.0	0.71	25.0000		94.9	80 - 120			
Cadmium	23.0132	1.0	0.06	25.0000		92.1	80 - 120			
Copper	25.5508	1.0	0.22	25.0000		102	80 - 120			
Lead	23.1048	1.0	0.18	25.0000		92.4	80 - 120			
Zinc	24.9156	2.0	0.30	25.0000		99.7	80 - 120			
Matrix Spike (B4G0793-MS1)			**Source: 2401197-01**			Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	22.4346	2.0	0.77	25.0000	3.25442	76.7	75 - 125			
Arsenic	21.2328	2.0	0.71	25.0000	2.20390	76.1	75 - 125			
Cadmium	22.3656	1.0	0.06	25.0000	0.425823	87.8	75 - 125			
Copper	52.6933	1.0	0.22	25.0000	26.8784	103	75 - 125			
Lead	85.0366	1.0	0.18	25.0000	58.2036	107	75 - 125			
Zinc	149.612	2.0	0.30	25.0000	128.405	84.8	75 - 125			
Matrix Spike Dup (B4G0793-MSD1)			**Source: 2401197-01**			Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	20.9375	2.0	0.77	25.0000	3.25442	70.7	75 - 125	6.90	20	M2
Arsenic	21.1509	2.0	0.71	25.0000	2.20390	75.8	75 - 125	0.386	20	
Cadmium	22.6805	1.0	0.06	25.0000	0.425823	89.0	75 - 125	1.40	20	
Copper	53.0654	1.0	0.22	25.0000	26.8784	105	75 - 125	0.704	20	
Lead	86.6942	1.0	0.18	25.0000	58.2036	114	75 - 125	1.93	20	
Zinc	153.670	2.0	0.30	25.0000	128.405	101	75 - 125	2.68	20	

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/25/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0793 - EPA 3050B_S									
Post Spike (B4G0793-PS1)		**Source: 2401197-01**			Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	0.428306		0.500000	0.065088	72.6	75 - 125			M2
Arsenic	0.413708		0.500000	0.044078	73.9	75 - 125			M2
Cadmium	0.439954		0.500000	0.008516	86.3	75 - 125			
Copper	1.06308		0.500000	0.537567	105	75 - 125			
Lead	1.80140		0.500000	1.16407	127	75 - 125			M2
Zinc	3.12731		0.500000	2.56810	112	75 - 125			

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ Ontrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:
	City: Pasadena	State: CA	Zip: 91124	Fax:

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential	Quote #:		
Site Address: 3809 E 58th St, Maywood CA 90270	Site ID: D1259		
Project No.: 684735	PO #:		
Sampler: Brenda Ballesteros			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Liter; 6=Terlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=MeOH; 7=NaOH/ZnAc	Remarks
1	1	D1259-WC-A1A2	D1259-WC	7/16/2024	0920	x	x	x		1	5	1		
2	2	D1259-WC-A1A2A3	D1259-WC	7/16/2024	0925	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/16/24	1115		7/16/24	1115
	7/16/24	1435	Jason	7/16/24	1435

Table of Contents

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
D1259-WC-A1A2	2401197-01
D1259-WC-A1A2A3	2401197-02

Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401197

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1259 - 3809 E 58th St, Maywood, CA 90270**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	07/23/2024 20:00	Received in Lab:	07/16/2024 14:35
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401197-01 D1259-WC-A1A2 [Soil] Sampled 07/16/2024 09:20			
6010_Exide_6 Metals Ver: NONE	07/23/2024 20:00	01/12/2025 00:00	1
2401197-02 D1259-WC-A1A2A3 [Soil] Sampled 07/16/2024 09:25			
6010_Exide_6 Metals Ver: NONE	07/23/2024 20:00	01/12/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401197

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1259 - 3809 E 58th St, Maywood, CA 90270**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401197-01 Laboratory ID: D1259-WC-A1A2

Sampled: 07/16/24 09:20 Prepared: 07/16/24 18:30 Analyzed: 07/24/24 19:11

Batch: B4G0793 Sequence: S4G0637 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.3	0.77	2.0	1	
7440-38-2	Arsenic	2.2	0.71	2.0	1	
7440-43-9	Cadmium	0.43	0.06	1.0	1	J
7440-50-8	Copper	27	0.22	1.0	1	
7439-92-1	Lead	58	0.18	1.0	1	
7440-66-6	Zinc	130	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401197-02 Laboratory ID: D1259-WC-A1A2A3

Sampled: 07/16/24 09:25 Prepared: 07/16/24 18:30 Analyzed: 07/24/24 19:13

Batch: B4G0793 Sequence: S4G0637 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	2.9	0.77	2.0	1	
7440-38-2	Arsenic	1.9	0.71	2.0	1	J
7440-43-9	Cadmium	0.10	0.06	1.0	1	J
7440-50-8	Copper	25	0.22	1.0	1	
7439-92-1	Lead	34	0.18	1.0	1	
7440-66-6	Zinc	93	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401197
Client:	Parsons	Project:	D1259 - 3809 E 58th St, Maywood, CA 90270
Batch:	B4G0793 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
D1259-WC-A1A2	2401197-01	07/16/24 18:30	1.00	50
D1259-WC-A1A2A3	2401197-02	07/16/24 18:30	1.00	50
Blank	B4G0793-BLK1	07/16/24 21:04	1.00	50
LCS	B4G0793-BS1	07/16/24 21:04	1.00	50
Matrix Spike	B4G0793-MS1	07/16/24 21:04	1.00	50
Matrix Spike Dup	B4G0793-MSD1	07/16/24 21:04	1.00	50
Dilution Check	B4G0793-SRL1	07/16/24 21:04	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0793

Extraction Method: EPA 3050B_S

Batch Start Date: 07/22/2024 12:30 **Batch Analyst:** TT3

Analysis Method: EPA 6010B

Batch End Date: 07/22/2024 14:45

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401197-01	D1259-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401197-02	D1259-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0793-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0793-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0793-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401197-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0793-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401197-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0793-SRL1	Dilution Check	1.00	50.00			2401197-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4D0549	Concentrated Hydrochloric Acid	4123090
A4G0398	Concentrated Nitric Acid	240238
A4G0395	Hydrogen Peroxide	K54376509
A4F0571	1:1 Nitric Acid	NA

Equipment Used

Type	Equipment ID	LotNum
Dispenser ID	MPDISP02	347844
Thermometer ID	MPTHERM 09	935128
Digestion Unit	DB01	4507CEC2139
Pipette	MPP01	22E77439
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP01	04K58398
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0793

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0793-BLK1	Antimony	-1.06624	0.77	2.0	07/24/24 18:38	U	EPA 6010B
	Arsenic	0.069908	0.71	2.0	07/24/24 18:38	U	EPA 6010B
	Cadmium	-1.25886	0.06	1.0	07/24/24 18:38	U	EPA 6010B
	Copper	-0.544944	0.22	1.0	07/24/24 18:38	U	EPA 6010B
	Lead	-0.964172	0.18	1.0	07/24/24 18:38	U	EPA 6010B
	Zinc	-0.156114	0.30	2.0	07/24/24 18:38	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg

Laboratory ID: B4G0793-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	21.9039	25.0000	87.6		80 - 120
Arsenic	23.7367	25.0000	94.9		80 - 120
Cadmium	23.0132	25.0000	92.1		80 - 120
Copper	25.5508	25.0000	102		80 - 120
Lead	23.1048	25.0000	92.4		80 - 120
Zinc	24.9156	25.0000	99.7		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg
Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	3.25442	22.4346	25.0000	76.7		75 - 125
Arsenic	2.20390	21.2328	25.0000	76.1		75 - 125
Cadmium	0.425823	22.3656	25.0000	87.8		75 - 125
Copper	26.8784	52.6933	25.0000	103		75 - 125
Lead	58.2036	85.0366	25.0000	107		75 - 125
Zinc	128.405	149.612	25.0000	84.8		75 - 125

Laboratory ID: B4G0793-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	20.9375	70.7	6.90	25.0000	M2	20	75 - 125
Arsenic	21.1509	75.8	0.386	25.0000		20	75 - 125
Cadmium	22.6805	89.0	1.40	25.0000		20	75 - 125
Copper	53.0654	105	0.704	25.0000		20	75 - 125
Lead	86.6942	114	1.93	25.0000		20	75 - 125
Zinc	153.670	101	2.68	25.0000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0793

Concentration Units: mg/L

Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0793-PS1						
Antimony	0.065088	0.428306	0.500000	72.6	M2	75 - 125
Arsenic	0.044078	0.413708	0.500000	73.9	M2	75 - 125
Cadmium	0.008516	0.439954	0.500000	86.3		75 - 125
Copper	0.537567	1.06308	0.500000	105		75 - 125
Lead	1.16407	1.80140	0.500000	127	M2	75 - 125
Zinc	2.56810	3.12731	0.500000	112		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4G0637

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0637-IBL1	240724-01 RR2-001	07/24/24 11:25
Cal Standard	S4G0637-CAL1	240724-01 RR2-002	07/24/24 11:28
Cal Standard	S4G0637-CAL2	240724-01 RR2-003	07/24/24 11:30
Cal Standard	S4G0637-CAL3	240724-01 RR2-004	07/24/24 11:32
Cal Standard	S4G0637-CAL4	240724-01 RR2-005	07/24/24 11:35
Cal Standard	S4G0637-CAL5	240724-01 RR2-006	07/24/24 11:37
Cal Standard	S4G0637-CAL6	240724-01 RR2-007	07/24/24 11:39
Cal Standard	S4G0637-CAL7	240724-01 RR2-008	07/24/24 11:41
Initial Cal Check	S4G0637-ICV1	240724-01 RR2-009	07/24/24 11:49
Initial Cal Blank	S4G0637-ICB1	240724-01 RR2-010	07/24/24 11:50
Interference Check A	S4G0637-IFA1	240724-01 RR2-012	07/24/24 12:00
Interference Check B	S4G0637-IFB1	240724-01 RR2-013	07/24/24 12:02
Calibration Check	S4G0637-CCV1	240724-01 RR2-014	07/24/24 13:08
Calibration Blank	S4G0637-CCB1	240724-01 RR2-015	07/24/24 13:10
Calibration Check	S4G0637-CCVC	240724-01 RR2-160	07/24/24 18:24
Calibration Blank	S4G0637-CCBC	240724-01 RR2-161	07/24/24 18:26
Blank	B4G0793-BLK1	240724-01 RR2-166	07/24/24 18:38
LCS	B4G0793-BS1	240724-01 RR2-167	07/24/24 18:40
D1259-WC-A1A2	B4G0793-MS1	240724-01 RR2-168	07/24/24 18:43
D1259-WC-A1A2	B4G0793-MSD1	240724-01 RR2-169	07/24/24 18:45
D1259-WC-A1A2	B4G0793-PS1	240724-01 RR2-170	07/24/24 18:47
D1259-WC-A1A2	B4G0793-SRL1	240724-01 RR2-171	07/24/24 18:49
Calibration Check	S4G0637-CCVD	240724-01 RR2-172	07/24/24 19:06
Calibration Blank	S4G0637-CCBD	240724-01 RR2-173	07/24/24 19:09
D1259-WC-A1A2	2401197-01	240724-01 RR2-174	07/24/24 19:11
D1259-WC-A1A2A3	2401197-02	240724-01 RR2-175	07/24/24 19:13
Calibration Check	S4G0637-CCVE	240724-01 RR2-184	07/24/24 19:31
Calibration Blank	S4G0637-CCBE	240724-01 RR2-185	07/24/24 19:33

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0637-ICV1	Antimony	0.500000	0.498742	99.7	07/24/24 11:49	+/- 10.00%
	Arsenic	0.500000	0.510534	102	07/24/24 11:49	+/- 10.00%
	Cadmium	0.500000	0.506751	101	07/24/24 11:49	+/- 10.00%
	Copper	0.500000	0.502838	101	07/24/24 11:49	+/- 10.00%
	Lead	0.500000	0.525030	105	07/24/24 11:49	+/- 10.00%
	Zinc	0.500000	0.539127	108	07/24/24 11:49	+/- 10.00%
S4G0637-CCV1	Antimony	2.00000	1.96147	98.1	07/24/24 13:08	+/- 10.00%
	Arsenic	2.00000	2.03888	102	07/24/24 13:08	+/- 10.00%
	Cadmium	2.00000	2.10413	105	07/24/24 13:08	+/- 10.00%
	Copper	2.00000	2.13943	107	07/24/24 13:08	+/- 10.00%
	Lead	2.00000	2.04107	102	07/24/24 13:08	+/- 10.00%
	Zinc	2.00000	2.06377	103	07/24/24 13:08	+/- 10.00%
S4G0637-CCVC	Antimony	2.00000	1.83741	91.9	07/24/24 18:24	+/- 10.00%
	Arsenic	2.00000	1.90471	95.2	07/24/24 18:24	+/- 10.00%
	Cadmium	2.00000	2.03120	102	07/24/24 18:24	+/- 10.00%
	Copper	2.00000	2.14182	107	07/24/24 18:24	+/- 10.00%
	Lead	2.00000	1.91540	95.8	07/24/24 18:24	+/- 10.00%
	Zinc	2.00000	1.88440	94.2	07/24/24 18:24	+/- 10.00%
S4G0637-CCVD	Antimony	2.00000	1.85472	92.7	07/24/24 19:06	+/- 10.00%
	Arsenic	2.00000	1.88945	94.5	07/24/24 19:06	+/- 10.00%
	Cadmium	2.00000	2.00074	100	07/24/24 19:06	+/- 10.00%
	Copper	2.00000	2.14563	107	07/24/24 19:06	+/- 10.00%
	Lead	2.00000	1.90548	95.3	07/24/24 19:06	+/- 10.00%
	Zinc	2.00000	1.88969	94.5	07/24/24 19:06	+/- 10.00%
S4G0637-CCVE	Antimony	2.00000	1.80672	90.3	07/24/24 19:31	+/- 10.00%
	Arsenic	2.00000	1.88429	94.2	07/24/24 19:31	+/- 10.00%
	Cadmium	2.00000	1.97218	98.6	07/24/24 19:31	+/- 10.00%
	Copper	2.00000	2.09772	105	07/24/24 19:31	+/- 10.00%
	Lead	2.00000	1.87663	93.8	07/24/24 19:31	+/- 10.00%
	Zinc	2.00000	1.85901	93.0	07/24/24 19:31	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0637-ICB1	Antimony	0.001776	0.02	0.04	07/24/24 11:50		EPA 6010B
	Arsenic	0.000458	0.01	0.04	07/24/24 11:50		EPA 6010B
	Cadmium	-0.020357	0.001	0.02	07/24/24 11:50	U	EPA 6010B
	Copper	-0.019041	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Lead	-0.008745	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Zinc	-0.005248	0.006	0.04	07/24/24 11:50	U	EPA 6010B
S4G0637-CCB1	Antimony	-0.000831	0.02	0.04	07/24/24 13:10	U	EPA 6010B
	Arsenic	0.000605	0.01	0.04	07/24/24 13:10		EPA 6010B
	Cadmium	-0.023831	0.001	0.02	07/24/24 13:10	U	EPA 6010B
	Copper	-0.017424	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Lead	-0.017219	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Zinc	-0.005160	0.006	0.04	07/24/24 13:10	U	EPA 6010B
S4G0637-CCBC	Antimony	0.000648	0.02	0.04	07/24/24 18:26		EPA 6010B
	Arsenic	-0.004102	0.01	0.04	07/24/24 18:26	U	EPA 6010B
	Cadmium	-0.025023	0.001	0.02	07/24/24 18:26	U	EPA 6010B
	Copper	-0.012330	0.004	0.02	07/24/24 18:26	U	EPA 6010B
	Lead	-0.017918	0.004	0.02	07/24/24 18:26	U	EPA 6010B
	Zinc	-0.005909	0.006	0.04	07/24/24 18:26	U	EPA 6010B
S4G0637-CCBD	Antimony	-0.005931	0.02	0.04	07/24/24 19:09	U	EPA 6010B
	Arsenic	-0.001214	0.01	0.04	07/24/24 19:09	U	EPA 6010B
	Cadmium	-0.024496	0.001	0.02	07/24/24 19:09	U	EPA 6010B
	Copper	-0.012280	0.004	0.02	07/24/24 19:09	U	EPA 6010B
	Lead	-0.018834	0.004	0.02	07/24/24 19:09	U	EPA 6010B
	Zinc	-0.006346	0.006	0.04	07/24/24 19:09	U	EPA 6010B
S4G0637-CCBE	Antimony	-0.009505	0.02	0.04	07/24/24 19:33	U	EPA 6010B
	Arsenic	0.006862	0.01	0.04	07/24/24 19:33		EPA 6010B
	Cadmium	-0.024634	0.001	0.02	07/24/24 19:33	U	EPA 6010B
	Copper	-0.011887	0.004	0.02	07/24/24 19:33	U	EPA 6010B
	Lead	-0.019421	0.004	0.02	07/24/24 19:33	U	EPA 6010B
	Zinc	-0.005983	0.006	0.04	07/24/24 19:33	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFA1	Antimony		-0.00217	mg/L		<0.04	7/24/24 12:00
	Arsenic		-0.00089	mg/L		<0.04	7/24/24 12:00
	Cadmium		-0.01725	mg/L		<0.02	7/24/24 12:00
	Copper		-0.02703	mg/L		<0.02	7/24/24 12:00
	Lead		-0.04925	mg/L		<0.02	7/24/24 12:00
	Zinc		-0.01337	mg/L		<0.04	7/24/24 12:00

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFB1	Antimony	0.500000	0.46998	mg/L	6	±20.00 %	7/24/24 12:02
	Arsenic	0.500000	0.45654	mg/L	9	±20.00 %	7/24/24 12:02
	Cadmium	0.500000	0.48402	mg/L	3	±20.00 %	7/24/24 12:02
	Copper	0.500000	0.50106	mg/L	0	±20.00 %	7/24/24 12:02
	Lead	0.500000	0.44701	mg/L	11	±20.00 %	7/24/24 12:02
	Zinc	0.500000	0.44541	mg/L	11	±20.00 %	7/24/24 12:02

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ Ontrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:
	City: Pasadena	State: CA	Zip: 91124	Fax:

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 3809 E 58th St, Maywood CA 90270
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: D1259
PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type*	Container: Material*	Container: Preservative*	Remarks
1	1	D1259-WC-A1A2	D1259-WC	7/16/2024	0920	x	x	x		1	5	1		
2	2	D1259-WC-A1A2A3	D1259-WC	7/16/2024	0925	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

*Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Liter; 6=Tedlar; 7=Canister
Material: 1=Glass; 2=Plastic; 3=Metal
Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=NaOH, ZnAc2; 7=NaOH, ZnAc2+Ascorbic

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/16/24	1115		7/16/24	1115
	7/16/24	1435	Alison	7/16/24	1435

Table of Contents

Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0417
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0417 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0418
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0418 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0419
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0419 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0420
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0420 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0421
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0421 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0422
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0422 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0423
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0423 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0424
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0424 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

Report Prepared For:

Parsons

Client Project Description:
D1259 - 3809 E 58th St, Maywood, CA 90270

ATL Work Order: 2401197

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:
- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401197

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August 16, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401197

Client Reference : D1259 - 3809 E 58th St, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 16, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 07:51 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

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The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D1259-WC-A1A2	2401197-01	Soil	7/16/24 9:20	7/16/24 14:35
D1259-WC-A1A2A3	2401197-02	Soil	7/16/24 9:25	7/16/24 14:35

Certificate of Analysis

Parsons		Project Number :	D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 16th, 2024 at 14:35. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
Q2	Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B16	Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B14	Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

STLC Metals by ICP-AES by EPA 6010B

Analyte: Lead **Analyst: KK2**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401197-01	D1259-WC-A1A2	**1.9**	mg/L	0.10	0.020	5	B4H0571	08/07/2024	08/09/24 15:02	

Client Sample ID: D1259-WC-A1A2
Lab ID: 2401197-01

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.3**	2.0	0.77	1	B4G0793	07/16/2024	07/24/24 19:11	
Arsenic	**2.2**	2.0	0.71	1	B4G0793	07/16/2024	07/24/24 19:11	
Cadmium	**0.43**	1.0	0.06	1	B4G0793	07/16/2024	07/24/24 19:11	J
Copper	**27**	1.0	0.22	1	B4G0793	07/16/2024	07/24/24 19:11	
Lead	**58**	1.0	0.18	1	B4G0793	07/16/2024	07/24/24 19:11	
Zinc	**130**	2.0	0.30	1	B4G0793	07/16/2024	07/24/24 19:11	

Client Sample ID: D1259-WC-A1A2A3
Lab ID: 2401197-02

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**2.9**	2.0	0.77	1	B4G0793	07/16/2024	07/24/24 19:13	
Arsenic	**1.9**	2.0	0.71	1	B4G0793	07/16/2024	07/24/24 19:13	J
Cadmium	**0.10**	1.0	0.06	1	B4G0793	07/16/2024	07/24/24 19:13	J
Copper	**25**	1.0	0.22	1	B4G0793	07/16/2024	07/24/24 19:13	
Lead	**34**	1.0	0.18	1	B4G0793	07/16/2024	07/24/24 19:13	
Zinc	**93**	2.0	0.30	1	B4G0793	07/16/2024	07/24/24 19:13	

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0793 - EPA 3050B_S										
Blank (B4G0793-BLK1)						Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0793-BS1)						Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	21.9039	2.0	0.77	25.0000		87.6	80 - 120			
Arsenic	23.7367	2.0	0.71	25.0000		94.9	80 - 120			
Cadmium	23.0132	1.0	0.06	25.0000		92.1	80 - 120			
Copper	25.5508	1.0	0.22	25.0000		102	80 - 120			
Lead	23.1048	1.0	0.18	25.0000		92.4	80 - 120			
Zinc	24.9156	2.0	0.30	25.0000		99.7	80 - 120			
Matrix Spike (B4G0793-MS1)			**Source: 2401197-01**			Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	22.4346	2.0	0.77	25.0000	3.25442	76.7	75 - 125			
Arsenic	21.2328	2.0	0.71	25.0000	2.20390	76.1	75 - 125			
Cadmium	22.3656	1.0	0.06	25.0000	0.425823	87.8	75 - 125			
Copper	52.6933	1.0	0.22	25.0000	26.8784	103	75 - 125			
Lead	85.0366	1.0	0.18	25.0000	58.2036	107	75 - 125			
Zinc	149.612	2.0	0.30	25.0000	128.405	84.8	75 - 125			
Matrix Spike Dup (B4G0793-MSD1)			**Source: 2401197-01**			Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	20.9375	2.0	0.77	25.0000	3.25442	70.7	75 - 125	6.90	20	M2
Arsenic	21.1509	2.0	0.71	25.0000	2.20390	75.8	75 - 125	0.386	20	
Cadmium	22.6805	1.0	0.06	25.0000	0.425823	89.0	75 - 125	1.40	20	
Copper	53.0654	1.0	0.22	25.0000	26.8784	105	75 - 125	0.704	20	
Lead	86.6942	1.0	0.18	25.0000	58.2036	114	75 - 125	1.93	20	
Zinc	153.670	2.0	0.30	25.0000	128.405	101	75 - 125	2.68	20	

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0793 - EPA 3050B_S									
Post Spike (B4G0793-PS1)			**Source: 2401197-01**		Prepared: 7/16/2024 Analyzed: 7/24/2024				
Antimony	0.428306		0.500000	0.065088	72.6	75 - 125			M2
Arsenic	0.413708		0.500000	0.044078	73.9	75 - 125			M2
Cadmium	0.439954		0.500000	0.008516	86.3	75 - 125			
Copper	1.06308		0.500000	0.537567	105	75 - 125			
Lead	1.80140		0.500000	1.16407	127	75 - 125			M2
Zinc	3.12731		0.500000	2.56810	112	75 - 125			

Certificate of Analysis

Parsons	Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4H0571 - STLC_S Extraction										
Blank (B4H0571-BLK1)						Prepared: 8/7/2024 Analyzed: 8/9/2024				
Lead	ND	0.10	0.020							U
LCS (B4H0571-BS1)						Prepared: 8/7/2024 Analyzed: 8/13/2024				
Lead	0.538026	0.10	0.020	0.500000		108	80 - 120			
Matrix Spike (B4H0571-MS1)			**Source: 2401187-01**			Prepared: 8/7/2024 Analyzed: 8/9/2024				
Lead	2.15162	0.10	0.020	0.500000	1.62716	105	75 - 125			
Matrix Spike Dup (B4H0571-MSD1)			**Source: 2401187-01**			Prepared: 8/7/2024 Analyzed: 8/9/2024				
Lead	2.17077	0.10	0.020	0.500000	1.62716	109	75 - 125	0.886	20	
Post Spike (B4H0571-PS1)			**Source: 2401187-01**			Prepared: 8/7/2024 Analyzed: 8/14/2024				
Lead	2.14995			0.500000	1.62716	105	75 - 125			

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ GSO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other:	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:	
	City: Pasadena	State: CA	Zip: 91124	Fax:	
SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO			EDD / QA/QC	
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:			Excel ☐ Routine	
Company: Parsons	Company:			EDF ☐ Caltrans	
Address: 100 W. Walnut Street	Address:			Equis ☐ Legal	
City: Pasadena State: CA Zip: 91124	City: State: Zip:			☐ RWQCB	
				☐ Level IV	
Project Name: DTSC Exide Residential	Quote #:			☐ _____	
Site Address: 3809 E 58th St, Maywood CA 90270	Site ID: D1259				
Project No.: 684735	PO #:				
Sampler: Brenda Ballesteros					

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Jar; 4=Pint; 5=Liter; 6=Terlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=MeOH; 7=NaOH/ZnAc	Remarks
1	1	D1259-WC-A1A2	D1259-WC	7/16/2024	0920	x	x	x		1	5	1		
2	2	D1259-WC-A1A2A3	D1259-WC	7/16/2024	0925	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/16/24	1115		7/16/24	1115
	7/16/24	1435	Alison	7/16/24	1435

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Thursday, August 1, 2024 2:04 PM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401197

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1259 - 3809 E 58th St, Maywood, CA 90270**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	08/08/2024 20:00	Received in Lab:	07/16/2024 14:35
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401197-01 D1259-WC-A1A2 [Soil] Sampled 07/16/2024 09:20			
6010_STLC Ver: Pb	08/08/2024 20:00	01/12/2025 00:00	
6010_Exide_6 Metals Ver: NONE	08/08/2024 20:00	01/12/2025 00:00	1
2401197-02 D1259-WC-A1A2A3 [Soil] Sampled 07/16/2024 09:25			
6010_Exide_6 Metals Ver: NONE	08/08/2024 20:00	01/12/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401197

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1259 - 3809 E 58th St, Maywood, CA 90270**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
D1259-WC-A1A2	2401197-01
D1259-WC-A1A2A3	2401197-02

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401197-01 Laboratory ID: D1259-WC-A1A2

Sampled: 07/16/24 09:20 Prepared: 07/16/24 18:30 Analyzed: 07/24/24 19:11

Batch: B4G0793 Sequence: S4G0637 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.3	0.77	2.0	1	
7440-38-2	Arsenic	2.2	0.71	2.0	1	
7440-43-9	Cadmium	0.43	0.06	1.0	1	J
7440-50-8	Copper	27	0.22	1.0	1	
7439-92-1	Lead	58	0.18	1.0	1	
7440-66-6	Zinc	130	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401197-02 Laboratory ID: D1259-WC-A1A2A3

Sampled: 07/16/24 09:25 Prepared: 07/16/24 18:30 Analyzed: 07/24/24 19:13

Batch: B4G0793 Sequence: S4G0637 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	2.9	0.77	2.0	1	
7440-38-2	Arsenic	1.9	0.71	2.0	1	J
7440-43-9	Cadmium	0.10	0.06	1.0	1	J
7440-50-8	Copper	25	0.22	1.0	1	
7439-92-1	Lead	34	0.18	1.0	1	
7440-66-6	Zinc	93	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401197
Client:	Parsons	Project:	D1259 - 3809 E 58th St, Maywood, CA 90270
Batch:	B4G0793 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
D1259-WC-A1A2	2401197-01	07/16/24 18:30	1.00	50
D1259-WC-A1A2A3	2401197-02	07/16/24 18:30	1.00	50
Blank	B4G0793-BLK1	07/16/24 21:04	1.00	50
LCS	B4G0793-BS1	07/16/24 21:04	1.00	50
Matrix Spike	B4G0793-MS1	07/16/24 21:04	1.00	50
Matrix Spike Dup	B4G0793-MSD1	07/16/24 21:04	1.00	50
Dilution Check	B4G0793-SRL1	07/16/24 21:04	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0793

Extraction Method: EPA 3050B_S

Analysis Method: EPA 6010B

Batch Start Date: 07/22/2024 12:30 **Batch Analyst:** TT3

Batch End Date: 07/22/2024 14:45

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401197-01	D1259-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401197-02	D1259-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0793-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0793-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0793-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401197-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0793-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401197-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0793-SRL1	Dilution Check	1.00	50.00			2401197-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0571	1:1 Nitric Acid	NA
A4G0395	Hydrogen Peroxide	K54376509
A4G0398	Concentrated Nitric Acid	240238
A4D0549	Concentrated Hydrochloric Acid	4123090

Equipment Used

Type	Equipment ID	LotNum
Thermometer ID	MPTHERM 09	935128
Dispenser ID	MPDISP02	347844
Pipette	MPP01	22E77439
Digestion Unit	DB01	4507CEC2139
Dispenser ID	MPDISP01	04K58398
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0793

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0793-BLK1	Antimony	-1.06624	0.77	2.0	07/24/24 18:38	U	EPA 6010B
	Arsenic	0.069908	0.71	2.0	07/24/24 18:38	U	EPA 6010B
	Cadmium	-1.25886	0.06	1.0	07/24/24 18:38	U	EPA 6010B
	Copper	-0.544944	0.22	1.0	07/24/24 18:38	U	EPA 6010B
	Lead	-0.964172	0.18	1.0	07/24/24 18:38	U	EPA 6010B
	Zinc	-0.156114	0.30	2.0	07/24/24 18:38	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg

Laboratory ID: B4G0793-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	21.9039	25.0000	87.6		80 - 120
Arsenic	23.7367	25.0000	94.9		80 - 120
Cadmium	23.0132	25.0000	92.1		80 - 120
Copper	25.5508	25.0000	102		80 - 120
Lead	23.1048	25.0000	92.4		80 - 120
Zinc	24.9156	25.0000	99.7		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg
Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	3.25442	22.4346	25.0000	76.7		75 - 125
Arsenic	2.20390	21.2328	25.0000	76.1		75 - 125
Cadmium	0.425823	22.3656	25.0000	87.8		75 - 125
Copper	26.8784	52.6933	25.0000	103		75 - 125
Lead	58.2036	85.0366	25.0000	107		75 - 125
Zinc	128.405	149.612	25.0000	84.8		75 - 125

Laboratory ID: B4G0793-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	20.9375	70.7	6.90	25.0000	M2	20	75 - 125
Arsenic	21.1509	75.8	0.386	25.0000		20	75 - 125
Cadmium	22.6805	89.0	1.40	25.0000		20	75 - 125
Copper	53.0654	105	0.704	25.0000		20	75 - 125
Lead	86.6942	114	1.93	25.0000		20	75 - 125
Zinc	153.670	101	2.68	25.0000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0793

Concentration Units: mg/L

Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0793-PS1						
Antimony	0.065088	0.428306	0.500000	72.6	M2	75 - 125
Arsenic	0.044078	0.413708	0.500000	73.9	M2	75 - 125
Cadmium	0.008516	0.439954	0.500000	86.3		75 - 125
Copper	0.537567	1.06308	0.500000	105		75 - 125
Lead	1.16407	1.80140	0.500000	127	M2	75 - 125
Zinc	2.56810	3.12731	0.500000	112		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4G0637

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0637-IBL1	240724-01 RR2-001	07/24/24 11:25
Cal Standard	S4G0637-CAL1	240724-01 RR2-002	07/24/24 11:28
Cal Standard	S4G0637-CAL2	240724-01 RR2-003	07/24/24 11:30
Cal Standard	S4G0637-CAL3	240724-01 RR2-004	07/24/24 11:32
Cal Standard	S4G0637-CAL4	240724-01 RR2-005	07/24/24 11:35
Cal Standard	S4G0637-CAL5	240724-01 RR2-006	07/24/24 11:37
Cal Standard	S4G0637-CAL6	240724-01 RR2-007	07/24/24 11:39
Cal Standard	S4G0637-CAL7	240724-01 RR2-008	07/24/24 11:41
Initial Cal Check	S4G0637-ICV1	240724-01 RR2-009	07/24/24 11:49
Initial Cal Blank	S4G0637-ICB1	240724-01 RR2-010	07/24/24 11:50
Interference Check A	S4G0637-IFA1	240724-01 RR2-012	07/24/24 12:00
Interference Check B	S4G0637-IFB1	240724-01 RR2-013	07/24/24 12:02
Calibration Check	S4G0637-CCV1	240724-01 RR2-014	07/24/24 13:08
Calibration Blank	S4G0637-CCB1	240724-01 RR2-015	07/24/24 13:10
Calibration Check	S4G0637-CCVC	240724-01 RR2-160	07/24/24 18:24
Calibration Blank	S4G0637-CCBC	240724-01 RR2-161	07/24/24 18:26
Blank	B4G0793-BLK1	240724-01 RR2-166	07/24/24 18:38
LCS	B4G0793-BS1	240724-01 RR2-167	07/24/24 18:40
D1259-WC-A1A2	B4G0793-MS1	240724-01 RR2-168	07/24/24 18:43
D1259-WC-A1A2	B4G0793-MSD1	240724-01 RR2-169	07/24/24 18:45
D1259-WC-A1A2	B4G0793-PS1	240724-01 RR2-170	07/24/24 18:47
D1259-WC-A1A2	B4G0793-SRL1	240724-01 RR2-171	07/24/24 18:49
Calibration Check	S4G0637-CCVD	240724-01 RR2-172	07/24/24 19:06
Calibration Blank	S4G0637-CCBD	240724-01 RR2-173	07/24/24 19:09
D1259-WC-A1A2	2401197-01	240724-01 RR2-174	07/24/24 19:11
D1259-WC-A1A2A3	2401197-02	240724-01 RR2-175	07/24/24 19:13
Calibration Check	S4G0637-CCVE	240724-01 RR2-184	07/24/24 19:31
Calibration Blank	S4G0637-CCBE	240724-01 RR2-185	07/24/24 19:33

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0637-ICV1	Antimony	0.500000	0.498742	99.7	07/24/24 11:49	+/- 10.00%
	Arsenic	0.500000	0.510534	102	07/24/24 11:49	+/- 10.00%
	Cadmium	0.500000	0.506751	101	07/24/24 11:49	+/- 10.00%
	Copper	0.500000	0.502838	101	07/24/24 11:49	+/- 10.00%
	Lead	0.500000	0.525030	105	07/24/24 11:49	+/- 10.00%
	Zinc	0.500000	0.539127	108	07/24/24 11:49	+/- 10.00%
S4G0637-CCV1	Antimony	2.00000	1.96147	98.1	07/24/24 13:08	+/- 10.00%
	Arsenic	2.00000	2.03888	102	07/24/24 13:08	+/- 10.00%
	Cadmium	2.00000	2.10413	105	07/24/24 13:08	+/- 10.00%
	Copper	2.00000	2.13943	107	07/24/24 13:08	+/- 10.00%
	Lead	2.00000	2.04107	102	07/24/24 13:08	+/- 10.00%
	Zinc	2.00000	2.06377	103	07/24/24 13:08	+/- 10.00%
S4G0637-CCVC	Antimony	2.00000	1.83741	91.9	07/24/24 18:24	+/- 10.00%
	Arsenic	2.00000	1.90471	95.2	07/24/24 18:24	+/- 10.00%
	Cadmium	2.00000	2.03120	102	07/24/24 18:24	+/- 10.00%
	Copper	2.00000	2.14182	107	07/24/24 18:24	+/- 10.00%
	Lead	2.00000	1.91540	95.8	07/24/24 18:24	+/- 10.00%
	Zinc	2.00000	1.88440	94.2	07/24/24 18:24	+/- 10.00%
S4G0637-CCVD	Antimony	2.00000	1.85472	92.7	07/24/24 19:06	+/- 10.00%
	Arsenic	2.00000	1.88945	94.5	07/24/24 19:06	+/- 10.00%
	Cadmium	2.00000	2.00074	100	07/24/24 19:06	+/- 10.00%
	Copper	2.00000	2.14563	107	07/24/24 19:06	+/- 10.00%
	Lead	2.00000	1.90548	95.3	07/24/24 19:06	+/- 10.00%
	Zinc	2.00000	1.88969	94.5	07/24/24 19:06	+/- 10.00%
S4G0637-CCVE	Antimony	2.00000	1.80672	90.3	07/24/24 19:31	+/- 10.00%
	Arsenic	2.00000	1.88429	94.2	07/24/24 19:31	+/- 10.00%
	Cadmium	2.00000	1.97218	98.6	07/24/24 19:31	+/- 10.00%
	Copper	2.00000	2.09772	105	07/24/24 19:31	+/- 10.00%
	Lead	2.00000	1.87663	93.8	07/24/24 19:31	+/- 10.00%
	Zinc	2.00000	1.85901	93.0	07/24/24 19:31	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0637-ICB1	Antimony	0.001776	0.02	0.04	07/24/24 11:50		EPA 6010B
	Arsenic	0.000458	0.01	0.04	07/24/24 11:50		EPA 6010B
	Cadmium	-0.020357	0.001	0.02	07/24/24 11:50	U	EPA 6010B
	Copper	-0.019041	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Lead	-0.008745	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Zinc	-0.005248	0.006	0.04	07/24/24 11:50	U	EPA 6010B
S4G0637-CCB1	Antimony	-0.000831	0.02	0.04	07/24/24 13:10	U	EPA 6010B
	Arsenic	0.000605	0.01	0.04	07/24/24 13:10		EPA 6010B
	Cadmium	-0.023831	0.001	0.02	07/24/24 13:10	U	EPA 6010B
	Copper	-0.017424	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Lead	-0.017219	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Zinc	-0.005160	0.006	0.04	07/24/24 13:10	U	EPA 6010B
S4G0637-CCBC	Antimony	0.000648	0.02	0.04	07/24/24 18:26		EPA 6010B
	Arsenic	-0.004102	0.01	0.04	07/24/24 18:26	U	EPA 6010B
	Cadmium	-0.025023	0.001	0.02	07/24/24 18:26	U	EPA 6010B
	Copper	-0.012330	0.004	0.02	07/24/24 18:26	U	EPA 6010B
	Lead	-0.017918	0.004	0.02	07/24/24 18:26	U	EPA 6010B
	Zinc	-0.005909	0.006	0.04	07/24/24 18:26	U	EPA 6010B
S4G0637-CCBD	Antimony	-0.005931	0.02	0.04	07/24/24 19:09	U	EPA 6010B
	Arsenic	-0.001214	0.01	0.04	07/24/24 19:09	U	EPA 6010B
	Cadmium	-0.024496	0.001	0.02	07/24/24 19:09	U	EPA 6010B
	Copper	-0.012280	0.004	0.02	07/24/24 19:09	U	EPA 6010B
	Lead	-0.018834	0.004	0.02	07/24/24 19:09	U	EPA 6010B
	Zinc	-0.006346	0.006	0.04	07/24/24 19:09	U	EPA 6010B
S4G0637-CCBE	Antimony	-0.009505	0.02	0.04	07/24/24 19:33	U	EPA 6010B
	Arsenic	0.006862	0.01	0.04	07/24/24 19:33		EPA 6010B
	Cadmium	-0.024634	0.001	0.02	07/24/24 19:33	U	EPA 6010B
	Copper	-0.011887	0.004	0.02	07/24/24 19:33	U	EPA 6010B
	Lead	-0.019421	0.004	0.02	07/24/24 19:33	U	EPA 6010B
	Zinc	-0.005983	0.006	0.04	07/24/24 19:33	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFA1	Antimony		-0.00217	mg/L		<0.04	7/24/24 12:00
	Arsenic		-0.00089	mg/L		<0.04	7/24/24 12:00
	Cadmium		-0.01725	mg/L		<0.02	7/24/24 12:00
	Copper		-0.02703	mg/L		<0.02	7/24/24 12:00
	Lead		-0.04925	mg/L		<0.02	7/24/24 12:00
	Zinc		-0.01337	mg/L		<0.04	7/24/24 12:00

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFB1	Antimony	0.500000	0.46998	mg/L	6	±20.00 %	7/24/24 12:02
	Arsenic	0.500000	0.45654	mg/L	9	±20.00 %	7/24/24 12:02
	Cadmium	0.500000	0.48402	mg/L	3	±20.00 %	7/24/24 12:02
	Copper	0.500000	0.50106	mg/L	0	±20.00 %	7/24/24 12:02
	Lead	0.500000	0.44701	mg/L	11	±20.00 %	7/24/24 12:02
	Zinc	0.500000	0.44541	mg/L	11	±20.00 %	7/24/24 12:02

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Sample Data

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil | Laboratory ID: 2401197-01 | Laboratory ID: D1259-WC-A1A2

Sampled: 07/16/24 09:20 | Prepared: 08/07/24 17:37 | Analyzed: 08/09/24 15:02

Batch: B4H0571 | Sequence: S4H0423 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4H0527 | Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	1.9	0.020	0.10	5	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401197
Client:	Parsons	Project:	D1259 - 3809 E 58th St, Maywood, CA 90270
Batch:	B4H0571 Batch Matrix: Soil	Preparation:	STLC_S Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
D1259-WC-A1A2	2401197-01	08/07/24 17:37	25.00	25
Blank	B4H0571-BLK1	08/07/24 17:37	25.00	25
LCS	B4H0571-BS1	08/07/24 17:37	25.00	25
Matrix Spike	B4H0571-MS1	08/07/24 17:37	25.00	25
Matrix Spike Dup	B4H0571-MSD1	08/07/24 17:37	25.00	25
Dilution Check	B4H0571-SRL1	08/07/24 17:37	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4H0571

Extraction Method: STLC_S Extraction

Batch Start Date:

Batch Analyst: CH

Analysis Method: WET/EPA 6010B

Batch End Date:

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401197-01	D1259-WC-A1A2	25.00	25.00								
B4H0571-BLK1	Blank	25.00	25.00								
B4H0571-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250						
B4H0571-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2401187-01					
B4H0571-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2401187-01					
B4H0571-SRL1	Dilution Check	25.00	25.00			2401187-01					

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0571

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4H0571-BLK1	Lead	-0.202257	0.020	0.10	08/9/24 14:36	U	WET/EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0571
Concentration Units: mg/L

Laboratory ID: B4H0571-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.538026	0.500000	108		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	1.62716	2.15162	0.500000	105		75 - 125

Laboratory ID: B4H0571-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	2.17077	109	0.886	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4H0571-PS1						
Lead	1.62716	2.14995	0.500000	105		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4H0423

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0423-IBL1	240809-01 RR-001	08/09/24 11:34
Cal Standard	S4H0423-CAL1	240809-01 RR-002	08/09/24 11:37
Cal Standard	S4H0423-CAL2	240809-01 RR-003	08/09/24 11:39
Cal Standard	S4H0423-CAL3	240809-01 RR-004	08/09/24 11:42
Cal Standard	S4H0423-CAL4	240809-01 RR-005	08/09/24 11:44
Cal Standard	S4H0423-CAL5	240809-01 RR-006	08/09/24 11:46
Cal Standard	S4H0423-CAL6	240809-01 RR-007	08/09/24 11:48
Cal Standard	S4H0423-CAL7	240809-01 RR-008	08/09/24 11:50
Initial Cal Check	S4H0423-ICV1	240809-01 RR-009	08/09/24 12:06
Initial Cal Blank	S4H0423-ICB1	240809-01 RR-010	08/09/24 12:09
Interference Check A	S4H0423-IFA1	240809-01 RR-012	08/09/24 12:16
Interference Check B	S4H0423-IFB1	240809-01 RR-013	08/09/24 12:17
Calibration Check	S4H0423-CCV1	240809-01 RR-014	08/09/24 12:24
Calibration Blank	S4H0423-CCB1	240809-01 RR-015	08/09/24 12:26
Calibration Check	S4H0423-CCV4	240809-01 RR-062	08/09/24 14:25
Calibration Blank	S4H0423-CCB4	240809-01 RR-063	08/09/24 14:27
Blank	B4H0571-BLK1	240809-01 RR-067	08/09/24 14:36
Matrix Spike	B4H0571-MS1	240809-01 RR-069	08/09/24 14:41
Matrix Spike Dup	B4H0571-MSD1	240809-01 RR-070	08/09/24 14:44
Calibration Check	S4H0423-CCV5	240809-01 RR-074	08/09/24 14:53
Calibration Blank	S4H0423-CCB5	240809-01 RR-075	08/09/24 14:55
D1259-WC-A1A2	2401197-01	240809-01 RR-078	08/09/24 15:02
Calibration Check	S4H0423-CCV6	240809-01 RR-086	08/09/24 15:21
Calibration Blank	S4H0423-CCB6	240809-01 RR-087	08/09/24 15:23

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4H0455

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0455-IBL1	240813-02 RR-001	08/13/24 17:33
Cal Standard	S4H0455-CAL1	240813-02 RR-002	08/13/24 17:36
Cal Standard	S4H0455-CAL2	240813-02 RR-003	08/13/24 17:38
Cal Standard	S4H0455-CAL3	240813-02 RR-004	08/13/24 17:40
Cal Standard	S4H0455-CAL4	240813-02 RR-005	08/13/24 17:43
Cal Standard	S4H0455-CAL5	240813-02 RR-006	08/13/24 17:45
Cal Standard	S4H0455-CAL6	240813-02 RR-007	08/13/24 17:47
Cal Standard	S4H0455-CAL7	240813-02 RR-008	08/13/24 17:49
Initial Cal Check	S4H0455-ICV1	240813-02 RR-009	08/13/24 17:56
Initial Cal Blank	S4H0455-ICB1	240813-02 RR-010	08/13/24 17:58
Interference Check A	S4H0455-IFA1	240813-02 RR-012	08/13/24 18:04
Interference Check B	S4H0455-IFB1	240813-02 RR-013	08/13/24 18:06
Calibration Check	S4H0455-CCV1	240813-02 RR-026	08/13/24 18:57
Calibration Blank	S4H0455-CCB1	240813-02 RR-027	08/13/24 18:59
LCS	B4H0571-BS1	240813-02 RR-032	08/13/24 19:11
Calibration Check	S4H0455-CCV2	240813-02 RR-036	08/13/24 19:25
Calibration Blank	S4H0455-CCB2	240813-02 RR-037	08/13/24 19:27

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4H0472

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0472-IBL1	240814-01 RR-001	08/14/24 10:53
Cal Standard	S4H0472-CAL1	240814-01 RR-002	08/14/24 10:56
Cal Standard	S4H0472-CAL2	240814-01 RR-003	08/14/24 10:58
Cal Standard	S4H0472-CAL3	240814-01 RR-004	08/14/24 11:00
Cal Standard	S4H0472-CAL4	240814-01 RR-005	08/14/24 11:03
Cal Standard	S4H0472-CAL5	240814-01 RR-006	08/14/24 11:05
Cal Standard	S4H0472-CAL6	240814-01 RR-007	08/14/24 11:07
Cal Standard	S4H0472-CAL7	240814-01 RR-008	08/14/24 11:09
Initial Cal Check	S4H0472-ICV1	240814-01 RR-009	08/14/24 11:20
Initial Cal Blank	S4H0472-ICB1	240814-01 RR-010	08/14/24 11:22
Interference Check A	S4H0472-IFA1	240814-01 RR-012	08/14/24 11:28
Interference Check B	S4H0472-IFB1	240814-01 RR-013	08/14/24 11:30
Calibration Check	S4H0472-CCV1	240814-01 RR-014	08/14/24 11:38
Calibration Blank	S4H0472-CCB1	240814-01 RR-015	08/14/24 11:40
Calibration Check	S4H0472-CCVI	240814-01 RR-253	08/14/24 20:54
Calibration Blank	S4H0472-CCBI	240814-01 RR-254	08/14/24 20:56
Post Spike	B4H0571-PS1	240814-01 RR-264	08/14/24 21:19
Calibration Check	S4H0472-CCVJ	240814-01 RR-265	08/14/24 21:22
Calibration Blank	S4H0472-CCBJ	240814-01 RR-266	08/14/24 21:24
Dilution Check	B4H0571-SRL1	240814-01 RR-267	08/14/24 21:26
Calibration Check	S4H0472-CCVK	240814-01 RR-277	08/14/24 21:50
Calibration Blank	S4H0472-CCBK	240814-01 RR-278	08/14/24 21:53

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0423
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0423-ICV1	Lead	0.500000	0.524432	105	08/09/24 12:06	+/- 10.00%
S4H0423-CCV1	Lead	2.00000	2.02457	101	08/09/24 12:24	+/- 10.00%
S4H0423-CCV4	Lead	2.00000	1.98418	99.2	08/09/24 14:25	+/- 10.00%
S4H0423-CCV5	Lead	2.00000	1.98223	99.1	08/09/24 14:53	+/- 10.00%
S4H0423-CCV6	Lead	2.00000	1.95551	97.8	08/09/24 15:21	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0455
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0455-ICV1	Lead	0.500000	0.527465	105	08/13/24 17:56	+/- 10.00%
S4H0455-CCV1	Lead	2.00000	1.98452	99.2	08/13/24 18:57	+/- 10.00%
S4H0455-CCV2	Lead	2.00000	2.00086	100	08/13/24 19:25	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0472-ICV1	Lead	0.500000	0.527184	105	08/14/24 11:20	+/- 10.00%
S4H0472-CCV1	Lead	2.00000	1.98890	99.4	08/14/24 11:38	+/- 10.00%
S4H0472-CCVI	Lead	2.00000	1.96174	98.1	08/14/24 20:54	+/- 10.00%
S4H0472-CCVJ	Lead	2.00000	1.94340	97.2	08/14/24 21:22	+/- 10.00%
S4H0472-CCVK	Lead	2.00000	1.92082	96.0	08/14/24 21:50	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0423

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0423-ICB1	Lead	-0.029312	0.0041	0.020	08/9/24 12:09	U	WET/EPA 6010B
S4H0423-CCB1	Lead	-0.031805	0.0041	0.020	08/9/24 12:26	U	WET/EPA 6010B
S4H0423-CCB4	Lead	-0.038290	0.0041	0.020	08/9/24 14:27	U	WET/EPA 6010B
S4H0423-CCB5	Lead	-0.041451	0.0041	0.020	08/9/24 14:55	U	WET/EPA 6010B
S4H0423-CCB6	Lead	-0.040463	0.0041	0.020	08/9/24 15:23	U	WET/EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0455

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0455-ICB1	Lead	0.002019	0.0041	0.020	08/13/24 17:58		WET/EPA 6010B
S4H0455-CCB1	Lead	-0.002293	0.0041	0.020	08/13/24 18:59	U	WET/EPA 6010B
S4H0455-CCB2	Lead	0.003004	0.0041	0.020	08/13/24 19:27		WET/EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0472-ICB1	Lead	0.007855	0.0041	0.020	08/14/24 11:22	16, Q	WET/EPA 6010B
S4H0472-CCB1	Lead	0.008591	0.0041	0.020	08/14/24 11:40	3, B	WET/EPA 6010B
S4H0472-CCBI	Lead	0.002873	0.0041	0.020	08/14/24 20:56		WET/EPA 6010B
S4H0472-CCBJ	Lead	0.001220	0.0041	0.020	08/14/24 21:24		WET/EPA 6010B
S4H0472-CCBK	Lead	0.001927	0.0041	0.020	08/14/24 21:53		WET/EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0423
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0423-IFA1	Lead		-0.05526	mg/L		<0.02	8/9/24 12:16

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0423
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0423-IFB1	Lead	0.500000	0.44761	mg/L	11	±20.00 %	8/9/24 12:17

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0455
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0455-IFA1	Lead		-0.01547	mg/L		<0.02	8/13/24 18:04

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0455
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0455-IFB1	Lead	0.500000	0.43829	mg/L	12	±20.00 %	8/13/24 18:06

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFA1	Lead		0.00074	mg/L		<0.02	8/14/24 11:28

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFB1	Lead	0.500000	0.49434	mg/L	1	±20.00 %	8/14/24 11:30

METHOD DETECTION AND REPORTING LIMITS
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☐ Ontrac	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ GSO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other:	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:	
	City: Pasadena	State: CA	Zip: 91124	Fax:	
SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO			EDD / QA/QC	
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:			Excel ☐ Routine	
Company: Parsons	Company:			EDF ☐ Caltrans	
Address: 100 W. Walnut Street	Address:			Equis ☐ Legal	
City: Pasadena State: CA Zip: 91124	City: State: Zip:			☐ RWQCB	
				☐ Level IV	
Project Name: DTSC Exide Residential	Quote #:			☐ _____	
Site Address: 3809 E 58th St, Maywood CA 90270	Site ID: D1259				
Project No.: 684735	PO #:				
Sampler: Brenda Ballesteros					

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Liter; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=MeOH; 7=NaOH/ZnAc	Remarks
1	1	D1259-WC-A1A2	D1259-WC	7/16/2024	0920	x	x	x		1	5	1		
2	2	D1259-WC-A1A2A3	D1259-WC	7/16/2024	0925	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/16/24	1115		7/16/24	1115
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
	7/16/24	1435	Alison	7/16/24	1435
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Thursday, August 1, 2024 2:04 PM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0417
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0417 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0418
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0418 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0419
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0419 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0420
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0420 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0421
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0421 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0422
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0422 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0423
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0423 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0424
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0424 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0505
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0505 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0521
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0521 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0522	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0522
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0522 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0523	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0523
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0523 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0524
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0524 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0525
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0525 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0526
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0526 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0527
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0527 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0507	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0528
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0528 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0504	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0394
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 08/07/2024
Date Expires: 08/21/2024
Prepared by: Juan Flores
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0394 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0434
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0434 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0435
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4H0435 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0436
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/21/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4H0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0394	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0457
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4H0457 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0443	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0458
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0458 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0459
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0459 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0460
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0460 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0461
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0461 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0462
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0462 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0461	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0463
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0463 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0462	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
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August 07, 2024

AETL Job No: BFH0012
Received Date: 07/31/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: E1291
5300 E. Washington Blvd.
Commerce, CA 90040

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

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Parsons	AETL Job Number:	BFH0012	Site:	E1291
	Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05

Data Validatable Report

Work Order Case Narrative

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
BFH0012-01	E1291-WC-A1A2	Soil	07/31/2024 11:38	07/31/2024
BFH0012-02	E1291-WC-A1A2A3	Soil	07/31/2024 11:43	07/31/2024

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Parsons	AETL Job Number:	BFH0012	Site:	E1291
	Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05

Containers Received

Lab ID	Container Type	Count	Preservation Check
BFH0012-01			
	Glass Jar - 8 oz	1	
BFH0012-02			
	Glass Jar - 8 oz	1	

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

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Parsons		AETL Job Number:	BFH0012	Site:	E1291
		Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street		Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05

Analytical Results

Client ID: **E1291-WC-A1A2**

Lab ID: **BFH0012-01 (Soil)** **Sampled:** **07/31/24 11:38**

Metals Total

Method: EPA 6010B

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Antimony	ND		1	0.794	1.98	mg/kg	08/02/24 07:59	08/05/24 16:55	B4H0051	LE	3050B
Arsenic	**1.80**	J	1	1.66	3.96	mg/kg	08/02/24 07:59	08/05/24 16:55	B4H0051	LE	3050B
Cadmium	ND		1	0.331	1.98	mg/kg	08/02/24 07:59	08/05/24 16:55	B4H0051	LE	3050B
Copper	**23.3**		1	2.19	3.96	mg/kg	08/02/24 07:59	08/05/24 16:55	B4H0051	LE	3050B
Lead	**88.1**		1	0.304	1.98	mg/kg	08/02/24 07:59	08/05/24 16:55	B4H0051	LE	3050B
Zinc	**143**		1	1.53	3.96	mg/kg	08/02/24 07:59	08/05/24 16:55	B4H0051	LE	3050B

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AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

Parsons		AETL Job Number:	BFH0012	Site:	E1291
		Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street		Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05

Analytical Results

Client ID: **E1291-WC-A1A2A3**
Lab ID: **BFH0012-02 (Soil)** **Sampled:** **07/31/24 11:43**

Metals Total

Method: EPA 6010B

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Antimony	ND		1	0.794	1.98	mg/kg	08/02/24 07:59	08/05/24 16:59	B4H0051	LE	3050B
Arsenic	ND		1	1.66	3.96	mg/kg	08/02/24 07:59	08/05/24 16:59	B4H0051	LE	3050B
Cadmium	ND		1	0.331	1.98	mg/kg	08/02/24 07:59	08/05/24 16:59	B4H0051	LE	3050B
Copper	**27.1**		1	2.19	3.96	mg/kg	08/02/24 07:59	08/05/24 16:59	B4H0051	LE	3050B
Lead	**113**		1	0.304	1.98	mg/kg	08/02/24 07:59	08/05/24 16:59	B4H0051	LE	3050B
Zinc	**174**		1	1.53	3.96	mg/kg	08/02/24 07:59	08/05/24 16:59	B4H0051	LE	3050B

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Parsons	AETL Job Number:	BFH0012	Site:	E1291	
	Project Number:	684735		5300 E. Washington Blvd.	
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05	

Quality Control

Metals Total

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B										
Batch: B4H0051 - 3050B										
Blank (B4H0051-BLK1)					Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:24					
Antimony	ND	2.00	0.802	mg/kg						
Arsenic	ND	4.00	1.68	mg/kg						
Cadmium	ND	2.00	0.334	mg/kg						
Copper	ND	4.00	2.21	mg/kg						
Lead	ND	2.00	0.307	mg/kg						
Zinc	ND	4.00	1.54	mg/kg						
LCS (B4H0051-BS1)					Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:27					
Antimony	86.9		0.802	mg/kg	100		86.9	80-120		
Arsenic	82.9		1.68	mg/kg	100		82.9	80-120		
Cadmium	90.4		0.334	mg/kg	100		90.4	80-120		
Copper	91.2		2.21	mg/kg	100		91.2	80-120		
Lead	111		0.307	mg/kg	100		111	80-120		
Zinc	90.4		1.54	mg/kg	100		90.4	80-120		
LCS Dup (B4H0051-BSD1)					Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:31					
Antimony	88.1		0.802	mg/kg	100		88.1	80-120	1.32	15
Arsenic	82.4		1.68	mg/kg	100		82.4	80-120	0.618	15
Cadmium	90.5		0.334	mg/kg	100		90.5	80-120	0.175	15
Copper	91.4		2.21	mg/kg	100		91.4	80-120	0.241	15
Lead	112		0.307	mg/kg	100		112	80-120	0.968	15
Zinc	91.3		1.54	mg/kg	100		91.3	80-120	1.01	15
Matrix Spike (B4H0051-MS1)		**Source: BFH0008-01**			Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:47					
Antimony	26.3 M		0.802	mg/kg	100	0.881	25.4	70-130		
Arsenic	77.3		1.68	mg/kg	100	ND	77.3	70-130		
Cadmium	82.8		0.334	mg/kg	100	ND	82.8	70-130		
Copper	123		2.21	mg/kg	100	27.3	95.6	70-130		
Lead	194		0.307	mg/kg	100	98.6	95.7	70-130		
Zinc	222		1.54	mg/kg	100	131	91.0	70-130		

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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

Parsons	AETL Job Number:	BFH0012	Site:	E1291	
	Project Number:	684735		5300 E. Washington Blvd.	
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05	

Quality Control
(Continued)

Metals Total (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike Dup (B4H0051-MSD1)	**Source: BFH0008-01**			Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:51						
Antimony	28.5 M		0.794	mg/kg	99.0	0.881	27.9	70-130	7.85	15
Arsenic	69.7		1.66	mg/kg	99.0	ND	70.4	70-130	10.3	15
Cadmium	78.6		0.331	mg/kg	99.0	ND	79.4	70-130	5.18	15
Copper	120		2.19	mg/kg	99.0	27.3	93.9	70-130	2.12	15
Lead	204		0.304	mg/kg	99.0	98.6	107	70-130	5.10	15
Zinc	225		1.53	mg/kg	99.0	131	94.3	70-130	1.06	15

Method: EPA 6010B

Batch: S4H0004 - B4G0352

Analyte	Result	Units	Spike Level	%REC	%REC Limits
Instrument Blank (S4H0004-IBL1)		Prepared & Analyzed: 08/05/2024 09:53			
Antimony	0.00	mg/L	0.00		
Arsenic	0.00	mg/L	0.00		
Cadmium	0.00	mg/L	0.00		
Copper	0.00	mg/L	0.00		
Lead	0.00	mg/L	0.00		
Zinc	0.00	mg/L	0.00		
Interference Check A (S4H0004-IFA1)		Prepared & Analyzed: 08/05/2024 10:57			
Antimony	0.0382	mg/L	0.00		80-120
Arsenic	-0.0273	mg/L	0.00		80-120
Cadmium	-0.0218	mg/L	0.00		80-120
Copper	-0.00439	mg/L	0.00		80-120
Lead	0.0113	mg/L	0.00		80-120
Zinc	-0.0198	mg/L	0.00		80-120
Interference Check B (S4H0004-IFB1)		Prepared & Analyzed: 08/05/2024 11:01			
Antimony	0.471	mg/L	0.500	94.2	80-120
Arsenic	0.484	mg/L	0.500	96.7	80-120
Cadmium	0.508	mg/L	0.500	102	80-120
Copper	0.547	mg/L	0.500	109	80-120
Lead	0.531	mg/L	0.500	106	80-120
Zinc	0.501	mg/L	0.500	100	80-120

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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

Parsons	AETL Job Number:	BFH0012	Site:	E1291
	Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05

Qualifiers and Definitions

Item	Qualifiers
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
M	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. Laboratory Control Samples(LCS/LCSD) recovery were acceptable.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour

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Parsons	AETL Job Number:	BFH0012	Site:	E1291
	Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/07/2024 12:05

MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

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WORK ORDER

BFH0012

Printed: 08/07/2024 12:05 pm

Project: **Exide Initial 200 Single Cleanup Unit (SCU)**
Project Number: **684735**
Project Manager: **Hailley Coleman**
PO Number:

Report To:
Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

Invoice To:
Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/31/2024 04:30 PM
Date Due: 08/07/2024 (5.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

Analysis	Comments
BFH0012-01 E1291-WC-A1A2 [Soil] Sampled 7/31/2024 11:38:00AM	
zzm_6010B_6 Metals	NONE
BFH0012-02 E1291-WC-A1A2A3 [Soil] Sampled 7/31/2024 11:43:00AM	
zzm_6010B_6 Metals	NONE

BFH0012 **Sample Receipt Log**

Default Cooler

Samples Received at: **17.5°C**

Are the COCs Correct	Yes	Received on Ice	No
Labels Legible	Yes		
COC/Labels Agree	Yes		
Sufficient Sample Volume	Yes		
Sample Labels intact	Yes		
Containers In Good Condition	Yes		
Samples Preserved Properly	Yes		
Sufficient Holding Time for all Tests	Yes		

AMERICAN ENVIRONMENTAL TESTING LABORATORY

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CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFH0012 Page 1 of 1

Company: Parsons	Project Manager: Pete Shair / Linda McGlochlin
Company Address: 100 W. Walnut St, Pasadena, CA 91124	Email: tom.blaney@parsons.com
Project Name: DTSC Exide Residential	**Project # 684735**
Site Property ID: E1291	**PO #**
Site Address: 5300 E Washington Blvd, Commerce CA 90040	
Report To: tom.blaney@parsons.com Report & EDD To: carla.rodman@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	

BFH0012-01
BFH0012-02

Location ID	Start Depth (in)	End Depth (in)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Purpose N/FD	Sample Matrix	Sample Type Comp/Grab	# of Cont.	Field Filtered (Y/N)		Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb)	Analysis Requested: Lead (6010B)	Comments
E1291-WC	0	12	E1291-WC-A1A2	7/31/24	1138	N	Soil	C	1	N		X	X	
E1291-WC	0	18	E1291-WC-A1A2A3	7/31/24	1143	N	Soil	C	1	N		X	X	

Requested Due Date/TAT: _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

Deliverable Requested: EQuIS DTSC_Cleanup EDD

Level III/IV PDF: Level III

Sampler(s) Name:	Company:		
Relinquished By (signature):		Relinquished By (signature):	Sample Receipt Comments:
Printed Name: Brenda B	Company:	Printed Name: Pat A	Company:
Date/Time: 7/31/24 1415		Date/Time: 7-31-24 1630	
Received By (signature):		Received By (signature):	
Printed Name: Pat A	Company:	Printed Name: Caroline Chiriboga-Bolen	Company: AETL
Date/Time: 7-31-24 1415		Date/Time: 8/1/24 1630	
Shipment Method:		Sample Tracking No:	Samples Intact : Yes ☐ No ☐

Sample Type: C = Composite; G = Grab **Sample Purpose: N = Normal; FD = Field Duplicate** **Soil Description: BY = Backyard; FY = Front yard; SY = Side yard**

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COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFH0012

Date Received: 07/31/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☐ Cooler (_____) ☑ Other (Specify): Box

Sample Container Temperature: 17.5 °C IR Gun S/N: 51941911MV

Type of sample containers: VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

How are samples preserved: ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✔			
2. Are Sample labels legible & indelible ink?	✔			
3. Do samples match the COC?	✔			
4. Are the required analyses clear?	✔			
5. Is there enough samples for required analysis?	✔			
6. Does cooler or samples have custody seal(s)?			✔	
7. Are sample containers intact and in good condition?	✔			
8. Are samples preserved?			✔	
9. Are samples preserved properly for the intended analysis?			✔	
10. Are the VOAs free of headspace? See footnote.			✔	
11. Are the jars free of headspace?			✔	
12. Are there any samples with short hold times?		✔		

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

METALS

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET
E1291-WC-A1A2

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFH0012-01
Sampled:	07/31/24 11:38		
% Solids:	0.00		

Analyte	Concentration (mg/kg)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Antimony	ND	1.98	0.794	1		B4H0051	08/05/24 16:55	EPA 6010B
Arsenic	1.80	3.96	1.66	1	J	B4H0051	08/05/24 16:55	EPA 6010B
Cadmium	ND	1.98	0.331	1		B4H0051	08/05/24 16:55	EPA 6010B
Copper	23.3	3.96	2.19	1		B4H0051	08/05/24 16:55	EPA 6010B
Lead	88.1	1.98	0.304	1		B4H0051	08/05/24 16:55	EPA 6010B
Zinc	143	3.96	1.53	1		B4H0051	08/05/24 16:55	EPA 6010B

FORM I
ANALYSIS DATA SHEET
E1291-WC-A1A2A3

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFH0012-02
Sampled:	07/31/24 11:43		
% Solids:	0.00		

Analyte	Concentration (mg/kg)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Antimony	ND	1.98	0.794	1		B4H0051	08/05/24 16:59	EPA 6010B
Arsenic	ND	3.96	1.66	1		B4H0051	08/05/24 16:59	EPA 6010B
Cadmium	ND	1.98	0.331	1		B4H0051	08/05/24 16:59	EPA 6010B
Copper	27.1	3.96	2.19	1		B4H0051	08/05/24 16:59	EPA 6010B
Lead	113	1.98	0.304	1		B4H0051	08/05/24 16:59	EPA 6010B
Zinc	174	3.96	1.53	1		B4H0051	08/05/24 16:59	EPA 6010B

PREPARATION BATCH SUMMARY

EPA 6010B

Laboratory:	AETL			Work Order:	BFH0012
Client:				Project:	684735
Batch:	B4H0051	Batch Matrix:	Soil	Preparation:	3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. ml
Blank	B4H0051-BLK1	08/02/24 07:59	1.00	50.00
LCS	B4H0051-BS1	08/02/24 07:59	1.00	50.00
LCS Dup	B4H0051-BSD1	08/02/24 07:59	1.00	50.00
Matrix Spike	B4H0051-MS1	08/02/24 07:59	1.00	50.00
Matrix Spike Dup	B4H0051-MSD1	08/02/24 07:59	1.01	50.00
E1291-WC-A1A2	BFH0012-01	08/02/24 07:59	1.01	50.00
E1291-WC-A1A2A3	BFH0012-02	08/02/24 07:59	1.01	50.00

PREPARATION BENCH SHEET

B4H0051

AETL

Printed: 8/6/2024 6:27:59PM

Matrix: Soil **Prepared using: METALS - 3050B** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4H0051-BLK1	QC	08/02/2024 07:59	1	50						
B4H0051-BS1	QC	08/02/2024 07:59	1	50	BE42111		50000			
B4H0051-BSD1	QC	08/02/2024 07:59	1	50	BE42111		50000			
B4H0051-DUP1	QC	08/02/2024 07:59	1	50		BFH0008-01				
B4H0051-MS1	QC	08/02/2024 07:59	1	50	BE42111	BFH0008-01	50000			
B4H0051-MSD1	QC	08/02/2024 07:59	1.01	50	BE42111	BFH0008-01	50000			
BFH0008-01	zzm_6010B_6 Metals	08/02/2024 07:59	1	50					Parsons	
BFH0008-02	zzm_6010B_6 Metals	08/02/2024 07:59	1.01	50					Parsons	
BFH0012-01	zzm_6010B_6 Metals	08/02/2024 07:59	1.01	50					Parsons	
BFH0012-02	zzm_6010B_6 Metals	08/02/2024 07:59	1.01	50					Parsons	
BFH0014-01	zzm_6010B_6 Metals	08/02/2024 07:59	1.01	50					Parsons	
BFH0014-02	zzm_6010B_6 Metals	08/02/2024 07:59	1.01	50					Parsons	

Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK: C
THERMOMETER: 930720
UNCOR TEMP: 96 C
COR TEMP: 97 C
DIGESTION STARTED: 09:00 hs
TIME END: 12:00 hrs

iking Witnessed By — 8/2/24 Date

Preparation Reviewed By — 8/2/24 Date

Extracts Received By — 8/2/24 Date

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ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFH0012
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4H0051-BLK1	File ID:	08052024R.csv-052
Sampled:		Prepared:	08/02/24 07:59	Analyzed:	08/05/24 16:24
Solids:		Preparation:	3050B	Dilution:	1
Batch:	B4H0051	Sequence:	S4H0004	Calibration:	4H06001
Column:	1			Instrument:	OPTIMA8300

ANALYTE	CONC. (mg/kg)	MDL	RL	Q
Antimony	ND	0.802	2.00	
Arsenic	ND	1.68	4.00	
Cadmium	ND	0.334	2.00	
Copper	ND	2.21	4.00	
Lead	ND	0.307	2.00	
Zinc	ND	1.54	4.00	

LCS / LCS DUPLICATE RECOVERY

EPA 6010B

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Preparation:	3050B
Batch:	B4H0051	Laboratory ID:	B4H0051-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC.	QC LIMITS REC.
Antimony	100	86.9	86.9	80 - 120
Arsenic	100	82.9	82.9	80 - 120
Cadmium	100	90.4	90.4	80 - 120
Copper	100	91.2	91.2	80 - 120
Lead	100	111	111	80 - 120
Zinc	100	90.4	90.4	80 - 120

ANALYTE	SPIKE ADDED (mg/kg)	LCSD CONCENTRATION (mg/kg)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Antimony	100	88.1	88.1	1.32	15	80 - 120
Arsenic	100	82.4	82.4	0.618	15	80 - 120
Cadmium	100	90.5	90.5	0.175	15	80 - 120
Copper	100	91.4	91.4	0.241	15	80 - 120
Lead	100	112	112	0.968	15	80 - 120
Zinc	100	91.3	91.3	1.01	15	80 - 120

DUPLICATES

Laboratory:

Work Order:

Client:

Project:

Matrix:

Laboratory ID:

Batch:

Initial/Final:

Preparation:

Analysis:

% Solids:

ANALYTE	SAMPLE CONC.	DUPLICATE CONC.	RPD %	Q	CONTROL LIMIT

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B
Batch:	B4H0051	Preparation:	3050B
% Solids:		Laboratory ID:	B4H0051-MS1
Column:		Sample Lab ID:	BFH0008-01

ANALYTE	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC.		QC LIMITS REC.
Antimony	100	0.881	26.3 M	25.4	*	70 - 130
Arsenic	100	ND	77.3	77.3		70 - 130
Cadmium	100	ND	82.8	82.8		70 - 130
Copper	100	27.3	123	95.6		70 - 130
Lead	100	98.6	194	95.7		70 - 130
Zinc	100	131	222	91.0		70 - 130

ANALYTE	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Antimony	99.0	28.5 M	27.9	*	7.85	*	15	70 - 130
Arsenic	99.0	69.7	70.4		10.3		15	70 - 130
Cadmium	99.0	78.6	79.4		5.18		15	70 - 130
Copper	99.0	120	93.9		2.12		15	70 - 130
Lead	99.0	204	107		5.10		15	70 - 130
Zinc	99.0	225	94.3		1.06		15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Sequence:	S4H0004	Instrument:	OPTIMA8300
Calibration:	4H06001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0004-IBL1	08052024R.csv-001	08/05/24 09:53
Cal Standard	S4H0004-CAL1	08052024R.csv-002	08/05/24 09:55
Cal Standard	S4H0004-CAL2	08052024R.csv-003	08/05/24 09:59
Cal Standard	S4H0004-CAL3	08052024R.csv-004	08/05/24 10:04
Cal Standard	S4H0004-CAL4	08052024R.csv-005	08/05/24 10:07
Cal Standard	S4H0004-CAL5	08052024R.csv-006	08/05/24 10:11
Cal Standard	S4H0004-CAL6	08052024R.csv-007	08/05/24 10:14
Initial Cal Check	S4H0004-ICV1	08052024R.csv-009	08/05/24 10:48
Initial Cal Blank	S4H0004-ICB1	08052024R.csv-010	08/05/24 10:52
Interference Check A	S4H0004-IFA1	08052024R.csv-011	08/05/24 10:57
Interference Check B	S4H0004-IFB1	08052024R.csv-012	08/05/24 11:01
Calibration Check	S4H0004-CCV1	08052024R.csv-013	08/05/24 11:11
Calibration Blank	S4H0004-CCB1	08052024R.csv-014	08/05/24 11:14
Calibration Check	S4H0004-CCV2	08052024R.csv-050	08/05/24 16:15
Calibration Blank	S4H0004-CCB2	08052024R.csv-051	08/05/24 16:19
Blank	B4H0051-BLK1	08052024R.csv-052	08/05/24 16:24
LCS	B4H0051-BS1	08052024R.csv-053	08/05/24 16:27
LCS Dup	B4H0051-BSD1	08052024R.csv-054	08/05/24 16:31
Matrix Spike	B4H0051-MS1	08052024R.csv-057	08/05/24 16:47
Matrix Spike Dup	B4H0051-MSD1	08052024R.csv-058	08/05/24 16:51
E1291-WC-A1A2	BFH0012-01	08052024R.csv-060	08/05/24 16:55
E1291-WC-A1A2A3	BFH0012-02	08052024R.csv-061	08/05/24 16:59
Calibration Check	S4H0004-CCV3	08052024R.csv-062	08/05/24 17:04
Calibration Blank	S4H0004-CCB3	08052024R.csv-063	08/05/24 17:09
Calibration Check	S4H0004-CCV4	08052024R.csv-066	08/05/24 17:19
Calibration Blank	S4H0004-CCB4	08052024R.csv-067	08/05/24 17:22

INITIAL CALIBRATION VERIFICATION

EPA 6010B

Laboratory: AETL
SDG: BFH0012
Client:
Project: 684735
Calibration: 4H06001
Laboratory ID: S4H0004-ICV1
Sequence: S4H0004
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	2.00	2.07	3.6	10.00
Arsenic	2.00	1.95	-2.5	10.00
Cadmium	2.00	2.17	8.7	10.00
Copper	2.00	2.19	9.4	10.00
Lead	2.00	2.19	9.3	10.00
Zinc	2.00	2.09	4.4	10.00

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFH0012
Project: 684735
Calibration: 4H06001
Sequence: S4H0004

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0004-ICV1	Antimony	2.00	2.07	104	mg/L	+/- 10.00%
	Arsenic	2.00	1.95	97.5	mg/L	+/- 10.00%
	Cadmium	2.00	2.17	109	mg/L	+/- 10.00%
	Copper	2.00	2.19	109	mg/L	+/- 10.00%
	Lead	2.00	2.19	109	mg/L	+/- 10.00%
	Zinc	2.00	2.09	104	mg/L	+/- 10.00%
S4H0004-CCV1	Antimony	2.00	1.87	93.3	mg/L	+/- 10.00%
	Arsenic	2.00	1.84	92.1	mg/L	+/- 10.00%
	Cadmium	2.00	2.14	107	mg/L	+/- 10.00%
	Copper	2.00	2.19	109	mg/L	+/- 10.00%
	Lead	2.00	2.16	108	mg/L	+/- 10.00%
	Zinc	2.00	2.04	102	mg/L	+/- 10.00%
S4H0004-CCV2	Antimony	2.00	2.12	106	mg/L	+/- 10.00%
	Arsenic	2.00	2.05	102	mg/L	+/- 10.00%
	Cadmium	2.00	1.99	99.4	mg/L	+/- 10.00%
	Copper	2.00	2.06	103	mg/L	+/- 10.00%
	Lead	2.00	2.12	106	mg/L	+/- 10.00%
	Zinc	2.00	1.95	97.5	mg/L	+/- 10.00%
S4H0004-CCV3	Antimony	2.00	1.88	94.0	mg/L	+/- 10.00%
	Arsenic	2.00	1.91	95.5	mg/L	+/- 10.00%
	Cadmium	2.00	1.92	96.1	mg/L	+/- 10.00%
	Copper	2.00	2.03	102	mg/L	+/- 10.00%
	Lead	2.00	2.15	108	mg/L	+/- 10.00%
	Zinc	2.00	1.92	95.8	mg/L	+/- 10.00%
S4H0004-CCV4	Antimony	2.00	1.82	91.0	mg/L	+/- 10.00%
	Arsenic	2.00	1.81	90.4	mg/L	+/- 10.00%
	Cadmium	2.00	1.89	94.3	mg/L	+/- 10.00%
	Copper	2.00	2.01	101	mg/L	+/- 10.00%
	Lead	2.00	2.11	105	mg/L	+/- 10.00%
	Zinc	2.00	1.86	93.2	mg/L	+/- 10.00%

Blank Results

EPA 6010B

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4H0004-ICB1	Antimony	0.0197	mg/L	0.0400
	Arsenic	0.0295	mg/L	0.0800
	Cadmium	0.0000725	mg/L	0.0400
	Copper	0.0122	mg/L	0.0800
	Lead	0.00364	mg/L	0.0400
	Zinc	0.00233	mg/L	0.0800
S4H0004-CCB1	Antimony	-0.00592	mg/L	0.0400
	Arsenic	0.00858	mg/L	0.0800
	Cadmium	0.000869	mg/L	0.0400
	Copper	0.00994	mg/L	0.0800
	Lead	0.00532	mg/L	0.0400
	Zinc	0.00234	mg/L	0.0800
S4H0004-CCB2	Antimony	-0.00685	mg/L	0.0400
	Arsenic	0.0182	mg/L	0.0800
	Cadmium	0.00107	mg/L	0.0400
	Copper	0.00303	mg/L	0.0800
	Lead	-0.00133	mg/L	0.0400
	Zinc	0.00205	mg/L	0.0800
S4H0004-CCB3	Antimony	0.0119	mg/L	0.0400
	Arsenic	0.00360	mg/L	0.0800
	Cadmium	0.00137	mg/L	0.0400
	Copper	0.00540	mg/L	0.0800
	Lead	-0.00934	mg/L	0.0400
	Zinc	0.00607	mg/L	0.0800
S4H0004-CCB4	Antimony	-0.0100	mg/L	0.0400
	Arsenic	-0.0107	mg/L	0.0800
	Cadmium	0.000554	mg/L	0.0400
	Copper	0.00224	mg/L	0.0800
	Lead	-0.0155	mg/L	0.0400
	Zinc	0.00664	mg/L	0.0800

INTERFERENCE CHECK SAMPLE

EPA 6010B

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H06001
Sequence:	S4H0004		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0004-IFA1	Antimony	0.00	0.03824	mg/L	-100	±20.00 %	8/5/24 10:57
	Arsenic	0.00	-0.02726	mg/L	-100	±20.00 %	8/5/24 10:57
	Cadmium	0.00	-0.02178	mg/L	-100	±20.00 %	8/5/24 10:57
	Copper	0.00	-0.00439	mg/L	-100	±20.00 %	8/5/24 10:57
	Lead	0.00	0.01131	mg/L	-100	±20.00 %	8/5/24 10:57
	Zinc	0.00	-0.01983	mg/L	-100	±20.00 %	8/5/24 10:57

INTERFERENCE CHECK SAMPLE

EPA 6010B

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H06001
Sequence:	S4H0004		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0004-IFB1	Antimony	0.500	0.47085	mg/L	-6	±20.00 %	8/5/24 11:01
	Arsenic	0.500	0.48372	mg/L	-3	±20.00 %	8/5/24 11:01
	Cadmium	0.500	0.50760	mg/L	2	±20.00 %	8/5/24 11:01
	Copper	0.500	0.54746	mg/L	9	±20.00 %	8/5/24 11:01
	Lead	0.500	0.53137	mg/L	6	±20.00 %	8/5/24 11:01
	Zinc	0.500	0.50134	mg/L	0	±20.00 %	8/5/24 11:01

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
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August 21, 2024

AETL Job No: BFH0012 Rev. 01
Received Date: 07/31/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: E1291
5300 E. Washington Blvd.
Commerce, CA 90040

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

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Revised and Reissued

Rev. 01

Parsons	AETL Job Number:	BFH0012	Site:	E1291	
	Project Number:	684735		5300 E. Washington Blvd.	
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32	

Data Validatable Report

Work Order Case Narrative

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

This report contains additional data to the report previously submitted. The analyses added are STLC-6010B-Pb and TCLP-6010B-Pb and were added per client request on 8/9/24. This document is the official version and is in addition to the earlier report.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
BFH0012-01	E1291-WC-A1A2	Soil	07/31/2024 11:38	07/31/2024
BFH0012-02	E1291-WC-A1A2A3	Soil	07/31/2024 11:43	07/31/2024

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Revised and Reissued

Rev. 01

Parsons		AETL Job Number:	BFH0012	Site:	E1291
		Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street		Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32

Containers Received

Lab ID	Container Type	Count	Preservation Check
BFH0012-01			
	Glass Jar - 8 oz	1	
BFH0012-02			
	Glass Jar - 8 oz	1	

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Rev. 01

Parsons	AETL Job Number:	BFH0012	Site:	E1291	
	Project Number:	684735		5300 E. Washington Blvd.	
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32	

Analytical Results

Client ID: E1291-WC-A1A2

Lab ID: BFH0012-01 (Soil) **Sampled:** 07/31/24 11:38

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
STLC Analysis											
Method: EPA 6010B-STLC											
Lead	**3.87**	D	2	0.328	0.800	mg/L	08/14/24 10:14	08/14/24 16:36	B4H0239	LE	STLC- ICP

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Parsons	AETL Job Number:	BFH0012	Site:	E1291	
	Project Number:	684735		5300 E. Washington Blvd.	
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32	

Analytical Results

Client ID: **E1291-WC-A1A2A3**
Lab ID: **BFH0012-02 (Soil)** **Sampled:** **07/31/24 11:43**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
STLC Analysis											
Method: EPA 6010B-STLC											
Lead	**4.22**	D	2	0.328	0.800	mg/L	08/14/24 10:14	08/14/24 16:39	B4H0239	LE	STLC- ICP
TCLP Analysis											
Method: EPA 6010B-1311 TCLP											
Lead	ND		1	0.0461	0.200	mg/L	08/16/24 10:00	08/20/24 13:00	B4H0269	LE	1311- ICP

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Rev. 01

Parsons	AETL Job Number:	BFH0012	Site:	E1291	
	Project Number:	684735		5300 E. Washington Blvd.	
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32	

Quality Control

STLC Analysis

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B-STLC										
Batch: B4H0239 - STLC- ICP										
Blank (B4H0239-BLK1)					Prepared & Analyzed: 08/14/2024 15:51					
Lead	ND D	0.800	0.328	mg/L						
LCS (B4H0239-BS1)					Prepared & Analyzed: 08/14/2024 15:55					
Lead	18.2 D		0.328	mg/L	20.0		90.9	80-120		
LCS Dup (B4H0239-BSD1)					Prepared & Analyzed: 08/14/2024 15:58					
Lead	19.3 D		0.328	mg/L	20.0		96.5	80-120	5.96	15
Duplicate (B4H0239-DUP1)	**Source: BFG0296-01**				Prepared & Analyzed: 08/14/2024 16:10					
Lead	ND D		1.64	mg/L		ND				15
Matrix Spike (B4H0239-MS1)	**Source: BFG0296-01**				Prepared & Analyzed: 08/14/2024 16:13					
Lead	15.5		1.64	mg/L	20.0	ND	77.3	70-130		
Matrix Spike Dup (B4H0239-MSD1)	**Source: BFG0296-01**				Prepared & Analyzed: 08/14/2024 16:16					
Lead	17.0		1.64	mg/L	20.0	ND	85.0	70-130	9.50	15
Method: EPA 6010B-STLC										
Batch: S4H0010 - B4H0134										
Instrument Blank (S4H0010-IBL1)					Prepared & Analyzed: 08/14/2024 08:01					
Lead	0.00			mg/L	0.00					
Interference Check A (S4H0010-IFA1)					Prepared & Analyzed: 08/14/2024 09:40					
Lead	0.0234			mg/L	0.00			80-120		
Interference Check B (S4H0010-IFB1)					Prepared & Analyzed: 08/14/2024 09:50					
Lead	0.492			mg/L	0.500		98.4	80-120		

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Revised and Reissued

Rev. 01

Parsons	AETL Job Number:	BFH0012	Site:	E1291	
	Project Number:	684735		5300 E. Washington Blvd.	
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32	

Quality Control
(Continued)

TCLP Analysis

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B-1311 TCLP										
Batch: B4H0269 - 1311- ICP										
Blank (B4H0269-BLK1)					Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 11:56					
Lead	ND	0.200	0.0461	mg/L						
LCS (B4H0269-BS1)					Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 11:59					
Lead	10.4		0.0461	mg/L	10.0		104	80-120		
LCS Dup (B4H0269-BSD1)					Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:02					
Lead	10.2		0.0461	mg/L	10.0		102	80-120	1.99	15
Duplicate (B4H0269-DUP1)	**Source: BFH0144-02**				Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:08					
Lead	ND		0.0461	mg/L		ND				15
Matrix Spike (B4H0269-MS1)	**Source: BFH0144-02**				Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:12					
Lead	9.72		0.0461	mg/L	10.0	ND	97.2	70-130		
Matrix Spike Dup (B4H0269-MSD1)	**Source: BFH0144-02**				Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:15					
Lead	9.64		0.0461	mg/L	10.0	ND	96.4	70-130	0.788	15
Method: EPA 6010B-1311 TCLP										
Batch: S4H0014 - B4H0269										
Instrument Blank (S4H0014-IBL1)					Prepared & Analyzed: 08/20/2024 09:52					
Lead	0.00			mg/L	0.00					
Interference Check A (S4H0014-IFA1)					Prepared & Analyzed: 08/20/2024 10:32					
Lead	0.0163			mg/L	0.00			0-200		
Interference Check B (S4H0014-IFB1)					Prepared & Analyzed: 08/20/2024 10:35					
Lead	0.490			mg/L	0.500		97.9	0-200		

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Rev. 01

Parsons		AETL Job Number:	BFH0012	Site:	E1291
		Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street		Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32

Qualifiers and Definitions

Item	Qualifiers
D	Sample was analyzed under dilution due to matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics

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Revised and Reissued

Rev. 01

Parsons	AETL Job Number:	BFH0012	Site:	E1291
	Project Number:	684735		5300 E. Washington Blvd.
100 West Walnut Street	Attention:	Pete Shair		Commerce, CA 90040
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/21/2024 12:32

MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

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WORK ORDER

BFH0012

Printed: 08/21/2024 12:32 pm

Project: **Exide Initial 200 Single Cleanup Unit (SCU)**
Project Number: **684735**
Project Manager: **Hailley Coleman**
PO Number:

Report To:

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

Invoice To:

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/31/2024 04:30 PM
Date Due: 08/16/2024 (12.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

Analysis	Comments
BFH0012-01 E1291-WC-A1A2 [Soil] Sampled 7/31/2024 11:38:00AM	
STLC-6010B-Pb	NONE
STLC-Extraction-METALS	NONE
BFH0012-02 E1291-WC-A1A2A3 [Soil] Sampled 7/31/2024 11:43:00AM	
STLC-6010B-Pb	NONE
STLC-Extraction-METALS	NONE
TCLP-6010B-Pb	NONE
TCLP-Extraction-METALS	NONE

BFH0012 **Sample Receipt Log**

Default Cooler

Samples Received at: **17.5°C**

Are the COCs Correct	Yes	Received on Ice	No
Labels Legible	Yes		
COC/Labels Agree	Yes		
Sufficient Sample Volume	Yes		
Sample Labels intact	Yes		
Containers In Good Condition	Yes		
Samples Preserved Properly	Yes		
Sufficient Holding Time for all Tests	Yes		

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CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFH0012 Page 1 of 1

Company: Parsons	Project Manager: Pete Shair / Linda McGlochlin
Company Address: 100 W. Walnut St, Pasadena, CA 91124	Email: tom.blaney@parsons.com
Project Name: DTSC Exide Residential	**Project # 684735**
Site Property ID: E1291	**PO #**
Site Address: 5300 E Washington Blvd, Commerce CA 90040	
Report To: tom.blaney@parsons.com Report & EDD To: carla.rodman@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	

BFH0012-01
BFH0012-02

Location ID	Start Depth (in)	End Depth (in)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Purpose N/FD	Sample Matrix	Sample Type Comp/Grab	# of Cont.	Field Filtered (Y/N)	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	STLC-Pb	TCLP-Pb	3/9/24	Comments
E1291-WC	0	12	E1291-WC-A1A2	7/31/24	1138	N	Soil	C	1	N	X	X	X			
E1291-WC	0	18	E1291-WC-A1A2A3	7/31/24	1143	N	Soil	C	1	N	X	X	X	X		

Requested Due Date/TAT: _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

Deliverable Requested: EQuIS DTSC_Cleanup EDD
Level III/IV PDF: Level III

Sampler(s) Name:	Company:		
Relinquished By (signature):		Relinquished By (signature):	Sample Receipt Comments:
Printed Name: Brenda B	Company:	Printed Name: Pat A	Company:
Date/Time: 7/31/24 1415		Date/Time: 7-31-24 1630	
Received By (signature):		Received By (signature):	
Printed Name: Pat A	Company:	Printed Name: Lorena Cisneros	Company: AETL
Date/Time: 7-31-24 1415		Date/Time: 07/31/24 1630	
Shipment Method:		Sample Tracking No:	Samples Intact : Yes ☐ No ☐

Sample Type: C = Composite; G = Grab **Sample Purpose:** N = Normal; FD = Field Duplicate **Soil Description:** BY = Backyard; FY = Front yard; SY = Side yard

Table of Contents

Hailley Coleman

From: Nishka.Parikh@parsons.com
Sent: Friday, August 9, 2024 10:57 AM
To: Hailley Coleman
Cc: Tom.Blaney@parsons.com; Peter.Shair@parsons.com; Sandra.delasFuentes@parsons.us; Carla.Rodman@parsons.com
Subject: Need STLC/TCLP Analyses

Follow Up Flag: Follow up
Flag Status: Flagged

Sensitive

Hi Hailley,

Happy Friday!

Please run the following on a standard turnaround time:

1. C0227-WC-A1A2 (LAB REPORT BFH0008): STLC for lead
2. C0227-WC-A1A2A3 (LAB REPORT BFH0008): STLC for lead
3. E1291-WC-A1A2 (LAB REPORT BFH0012): STLC for lead
4. E1291-WC-A1A2A3 (LAB REPORT BFH0012): STLC and TCLP for lead
5. C0114-WC-A1A2 (LAB REPORT BFH0014): STLC for lead
6. C0114-WC-A1A2A3 (LAB REPORT BFH0014): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFH0012

Date Received: 07/31/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☐ Cooler (_____) ☑ Other (Specify): Box

Sample Container Temperature: 17.5 °C IR Gun S/N: 51941911MV

Type of sample containers: VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

How are samples preserved: ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✔			
2. Are Sample labels legible & indelible ink?	✔			
3. Do samples match the COC?	✔			
4. Are the required analyses clear?	✔			
5. Is there enough samples for required analysis?	✔			
6. Does cooler or samples have custody seal(s)?			✔	
7. Are sample containers intact and in good condition?	✔			
8. Are samples preserved?			✔	
9. Are samples preserved properly for the intended analysis?			✔	
10. Are the VOAs free of headspace? See footnote.			✔	
11. Are the jars free of headspace?			✔	
12. Are there any samples with short hold times?		✔		

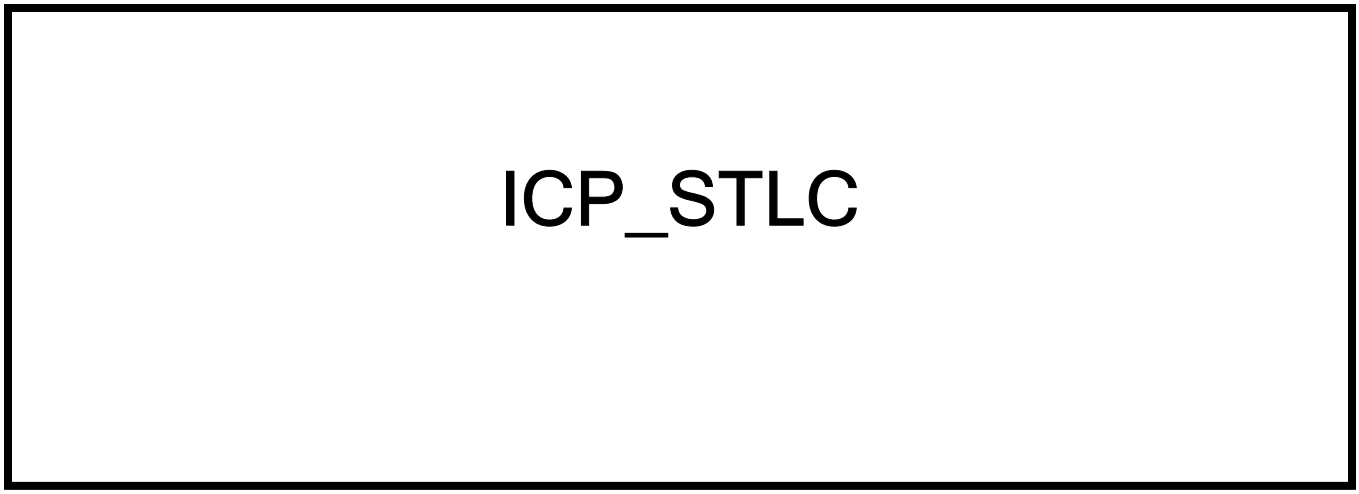
* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

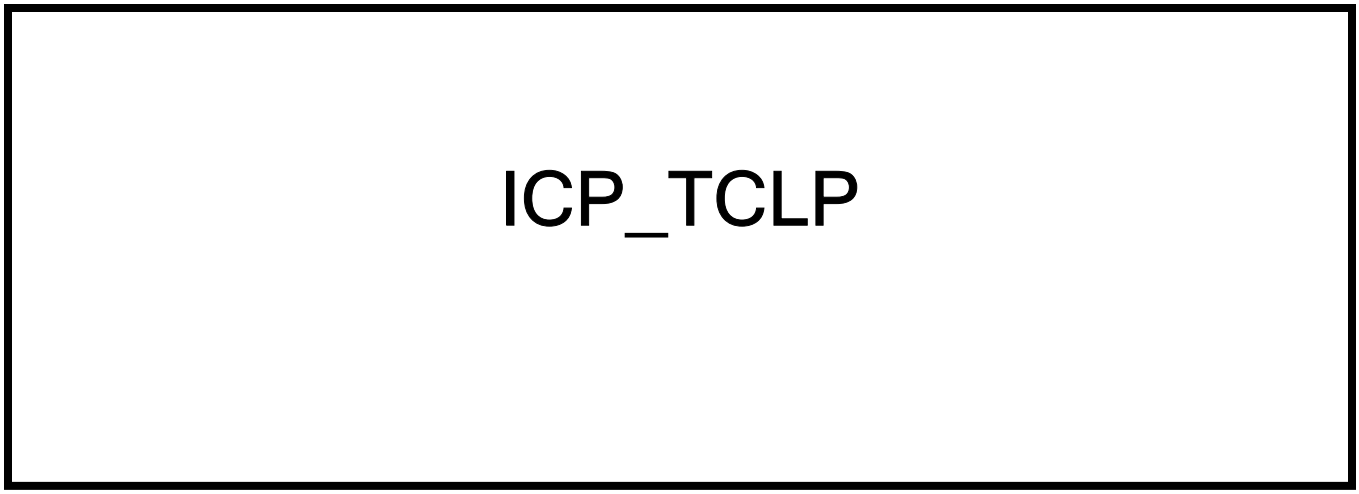
* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.


ICP_STLC

PREPARATION BATCH SUMMARY

Laboratory:	AETL			Work Order:	BFH0012
Client:	Parsons			Project:	Exide Initial 200 Single Cleanup Unit (SCU)
Batch:	B4H0199	Batch Matrix:	Soil	Preparation:	CA WET- STLC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4H0199-BLK1	08/12/24 14:23	50.00	500
E1291-WC-A1A2	BFH0012-01	08/12/24 14:23	50.03	500
E1291-WC-A1A2A3	BFH0012-02	08/12/24 14:23	50.00	500


ICP_TCLP

PREPARATION BATCH SUMMARY

Laboratory:	AETL			Work Order:	BFH0012
Client:	Parsons			Project:	Exide Initial 200 Single Cleanup Unit (SCU)
Batch:	B4H0238	Batch Matrix:	Soil	Preparation:	1311- Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
Blank	B4H0238-BLK1	08/14/24 10:09	100.00	2000
E1291-WC-A1A2A3	BFH0012-02	08/14/24 10:09	100.00	2000

METALS

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET

E1291-WC-A1A2A3

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFH0012-02
Sampled:	07/31/24 11:43		
% Solids:	0.00		

Analyte	Concentration (mg/L)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Lead	ND	0.200	0.0461	1		B4H0269	08/20/24 13:00	EPA 6010B-1311 TCLP

PREPARATION BATCH SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL			Work Order:	BFH0012
Client:				Project:	684735
Batch:	B4H0269	Batch Matrix:	Soil	Preparation:	1311- ICP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4H0269-BLK1	08/16/24 10:00	10.00	50.00
LCS	B4H0269-BS1	08/16/24 10:00	10.00	50.00
LCS Dup	B4H0269-BSD1	08/16/24 10:00	10.00	50.00
Duplicate	B4H0269-DUP1	08/16/24 10:00	10.00	50.00
Matrix Spike	B4H0269-MS1	08/16/24 10:00	10.00	50.00
Matrix Spike Dup	B4H0269-MSD1	08/16/24 10:00	10.00	50.00
E1291-WC-A1A2A3	BFH0012-02	08/16/24 10:00	10.00	50.00

PREPARATION BENCH SHEET

B4H0238

AETL

Printed: 8/21/2024 11:28:10AM

Matrix: Soil **Prepared using: METALS - 1311- Extraction** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4H0238-BLK1	QC	08/14/2024 10:09	100	2000						
BFH0012-02	TCLP-Extraction-METALS	08/14/2024 10:09	100	2000					Parsons	
BFH0014-02	TCLP-Extraction-METALS	08/14/2024 10:09	100	2000					Parsons	
BFH0120-01	TCLP-Extraction-METALS	08/14/2024 10:09	100	2000						
BFH0124-01	TCLP-Extraction-METALS	08/14/2024 10:09	50	1000						
BFH0125-01	TCLP-Extraction-METALS	08/14/2024 10:09	50	1000						
BFH0126-01	TCLP-Extraction-METALS	08/14/2024 10:09	50	1000						
BFH0144-02	TCLP-Extraction-METALS	08/14/2024 10:09	100.01	2000						
BFH0144-03	TCLP-Extraction-METALS	08/14/2024 10:09	100	2000						
BFH0144-04	TCLP-Extraction-METALS	08/14/2024 10:09	100.01	2000						
BFH0144-05	TCLP-Extraction-METALS	08/14/2024 10:09	100.03	2000						

BALANCE A: C032821335
HEATER: BL-E110-1118
THERMOMETER: 2615
TUMBLER : S046SGBL0001
EXTRACTION ROOM THERMOMETER: 230175547
TIME STARTED TUMBLERING: 8/14/2024 15:00 hrs
TIME END TUMBLERING: 8/15/2024 09:00 hrs

---
iking Witnessed By Date

8/15/24
Preparation Reviewed By Date

8/15/24
Extracts Received By Date

Table of Contents

ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFH0012
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4H0269-BLK1	File ID:	08202024R.csv-033
Sampled:		Prepared:	08/16/24 10:00	Analyzed:	08/20/24 11:56
Solids:		Preparation:	1311- ICP	Dilution:	1
Batch:	B4H0269	Sequence:	S4H0014	Calibration:	4H21001
Column:	1				

Instrument: OPTIMA8300

ANALYTE	CONC. (mg/L)	MDL	RL	Q
Lead	ND	0.0461	0.200	

LCS / LCS DUPLICATE RECOVERY

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Preparation:	1311- ICP
Batch:	B4H0269	Laboratory ID:	B4H0269-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Lead	10.0	10.4	104	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	10.0	10.2	102	1.99	15	80 - 120

DUPLICATES

Duplicate

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	B4H0269-DUP1
Batch:	B4H0269	Initial/Final:	10 mL / 50 mL
Preparation:	1311- ICP	Analysis:	EPA 6010B-1311 TCLP
% Solids:			

ANALYTE	SAMPLE CONC. (mg/L)	DUPLICATE CONC. (mg/L)	RPD %	Q	CONTROL LIMIT
Lead	ND	ND			15

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B-1311 TCLP
Batch:	B4H0269	Preparation:	1311- ICP
% Solids:		Laboratory ID:	B4H0269-MS1
Column:		Sample Lab ID:	BFH0144-02

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Lead	10.0	ND	9.72	97.2	70 - 130

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Lead	10.0	9.64	96.4	0.788	15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Sequence:	S4H0014	Instrument:	OPTIMA8300
Calibration:	4H21001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0014-IBL1	08202024R.csv-001	08/20/24 09:52
Cal Standard	S4H0014-CAL1	08202024R.csv-002	08/20/24 09:55
Cal Standard	S4H0014-CAL2	08202024R.csv-003	08/20/24 09:58
Cal Standard	S4H0014-CAL3	08202024R.csv-004	08/20/24 10:01
Cal Standard	S4H0014-CAL4	08202024R.csv-005	08/20/24 10:04
Cal Standard	S4H0014-CAL5	08202024R.csv-006	08/20/24 10:07
Cal Standard	S4H0014-CAL6	08202024R.csv-007	08/20/24 10:10
Initial Cal Check	S4H0014-ICV1	08202024R.csv-009	08/20/24 10:23
Initial Cal Blank	S4H0014-ICB1	08202024R.csv-010	08/20/24 10:26
Interference Check A	S4H0014-IFA1	08202024R.csv-011	08/20/24 10:32
Interference Check B	S4H0014-IFB1	08202024R.csv-012	08/20/24 10:35
Calibration Check	S4H0014-CCV1	08202024R.csv-013	08/20/24 10:38
Calibration Blank	S4H0014-CCB1	08202024R.csv-014	08/20/24 10:41
Calibration Check	S4H0014-CCV2	08202024R.csv-025	08/20/24 11:25
Calibration Blank	S4H0014-CCB2	08202024R.csv-026	08/20/24 11:28
Calibration Check	S4H0014-CCV3	08202024R.csv-031	08/20/24 11:43
Calibration Blank	S4H0014-CCB3	08202024R.csv-032	08/20/24 11:46
Blank	B4H0269-BLK1	08202024R.csv-033	08/20/24 11:56
LCS	B4H0269-BS1	08202024R.csv-034	08/20/24 11:59
LCS Dup	B4H0269-BSD1	08202024R.csv-035	08/20/24 12:02
Duplicate	B4H0269-DUP1	08202024R.csv-037	08/20/24 12:08
Matrix Spike	B4H0269-MS1	08202024R.csv-038	08/20/24 12:12
Matrix Spike Dup	B4H0269-MSD1	08202024R.csv-039	08/20/24 12:15
Calibration Check	S4H0014-CCV4	08202024R.csv-042	08/20/24 12:44
Calibration Blank	S4H0014-CCB4	08202024R.csv-043	08/20/24 12:54
E1291-WC-A1A2A3	BFH0012-02	08202024R.csv-045	08/20/24 13:00
Calibration Check	S4H0014-CCV5	08202024R.csv-050	08/20/24 13:23
Calibration Blank	S4H0014-CCB5	08202024R.csv-051	08/20/24 13:26

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Sequence:	S4H0014	Instrument:	OPTIMA8300
Calibration:	4H21001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S4H0014-CCV6	08202024R.csv-056	08/20/24 13:50
Calibration Blank	S4H0014-CCB6	08202024R.csv-057	08/20/24 13:54
Calibration Check	S4H0014-CCV7	08202024R.csv-078	08/20/24 14:31
Calibration Blank	S4H0014-CCB7	08202024R.csv-079	08/20/24 14:34
Calibration Check	S4H0014-CCV8	08202024R.csv-083	08/20/24 14:57
Calibration Blank	S4H0014-CCB8	08202024R.csv-084	08/20/24 15:01
Calibration Check	S4H0014-CCV9	08202024R.csv-093	08/20/24 15:47
Calibration Check	S4H0014-CCVA	08202024R.csv-095	08/20/24 15:47
Calibration Blank	S4H0014-CCB9	08202024R.csv-094	08/20/24 15:50
Calibration Blank	S4H0014-CCBA	08202024R.csv-096	08/20/24 15:50
Calibration Check	S4H0014-CCVB	08202024R.csv-107	08/20/24 16:37
Calibration Blank	S4H0014-CCBB	08202024R.csv-108	08/20/24 16:40
Calibration Check	S4H0014-CCVC	08202024R.csv-113	08/20/24 17:13
Calibration Blank	S4H0014-CCBC	08202024R.csv-114	08/20/24 17:15

INITIAL CALIBRATION VERIFICATION

EPA 6010B-1311 TCLP

Laboratory: AETL
SDG: BFH0012
Client:
Project: 684735
Calibration: 4H21001
Laboratory ID: S4H0014-ICV1
Sequence: S4H0014
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	2.00	2.11	5.7	

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B-1311 TCLP

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFH0012
Project: 684735
Calibration: 4H21001
Sequence: S4H0014

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0014-ICV1	Lead	2.00	2.11	106	mg/L	+/- %
S4H0014-CCV1	Lead	2.00	2.02	101	mg/L	+/- %
S4H0014-CCV2	Lead	2.00	2.06	103	mg/L	+/- %
S4H0014-CCV3	Lead	2.00	2.02	101	mg/L	+/- %
S4H0014-CCV4	Lead	2.00	1.84	92.2	mg/L	+/- %
S4H0014-CCV5	Lead	2.00	1.83	91.4	mg/L	+/- %
S4H0014-CCV6	Lead	2.00	1.89	94.7	mg/L	+/- %
S4H0014-CCV7	Lead	2.00	2.05	103	mg/L	+/- %
S4H0014-CCV8	Lead	2.00	1.98	99.2	mg/L	+/- %
S4H0014-CCV9	Lead	2.00	1.84	92.0	mg/L	+/- %
S4H0014-CCVA	Lead	2.00	1.84	92.1	mg/L	+/- %
S4H0014-CCVB	Lead	2.00	1.94	97.0	mg/L	+/- %
S4H0014-CCVC	Lead	2.00	1.94	96.9	mg/L	+/- %

Blank Results

EPA 6010B-1311 TCLP

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4H0014-ICB1	Lead	0.00365	mg/L	0.0400
S4H0014-CCB1	Lead	0.00406	mg/L	0.0400
S4H0014-CCB2	Lead	0.00571	mg/L	0.0400
S4H0014-CCB3	Lead	-0.00402	mg/L	0.0400
S4H0014-CCB4	Lead	0.000978	mg/L	0.0400
S4H0014-CCB5	Lead	0.00531	mg/L	0.0400
S4H0014-CCB6	Lead	0.00607	mg/L	0.0400
S4H0014-CCB7	Lead	-0.00644	mg/L	0.0400
S4H0014-CCB8	Lead	-0.00933	mg/L	0.0400
S4H0014-CCB9	Lead	-0.00962	mg/L	0.0400
S4H0014-CCBA	Lead	-0.00196	mg/L	0.0400
S4H0014-CCBB	Lead	-0.00247	mg/L	0.0400
S4H0014-CCBC	Lead	0.00393	mg/L	0.0400

INTERFERENCE CHECK SAMPLE

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H21001
Sequence:	S4H0014		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0014-IFA1	Lead	0.00	0.01628	mg/L	-100	±0.00 %	8/20/24 10:32

INTERFERENCE CHECK SAMPLE

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H21001
Sequence:	S4H0014		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0014-IFB1	Lead	0.500	0.48970	mg/L	-2	±0.00 %	8/20/24 10:35

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET
E1291-WC-A1A2

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFH0012-01
Sampled:	07/31/24 11:38		
% Solids:	0.00		

Analyte	Concentration (mg/L)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Lead	3.87	0.800	0.328	2	D	B4H0239	08/14/24 16:36	EPA

FORM I
ANALYSIS DATA SHEET
E1291-WC-A1A2A3

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFH0012-02
Sampled:	07/31/24 11:43		
% Solids:	0.00		

Analyte	Concentration (mg/L)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Lead	4.22	0.800	0.328	2	D	B4H0239	08/14/24 16:39	EPA

PREPARATION BATCH SUMMARY

EPA 6010B-STLC

Laboratory:	AETL			Work Order:	BFH0012
Client:				Project:	684735
Batch:	B4H0239	Batch Matrix:	Soil	Preparation:	STLC- ICP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4H0239-BLK1	08/14/24 10:14	5.00	50.00
LCS	B4H0239-BS1	08/14/24 10:14	5.00	50.00
LCS Dup	B4H0239-BSD1	08/14/24 10:14	5.00	50.00
Duplicate	B4H0239-DUP1	08/14/24 10:14	5.00	50.00
Matrix Spike	B4H0239-MS1	08/14/24 10:14	5.00	50.00
Matrix Spike Dup	B4H0239-MSD1	08/14/24 10:14	5.00	50.00
E1291-WC-A1A2	BFH0012-01	08/14/24 10:14	5.00	50.00
E1291-WC-A1A2A3	BFH0012-02	08/14/24 10:14	5.00	50.00

PREPARATION BENCH SHEET

B4H0239

AETL

Printed: 8/15/2024 2:37:19PM

Matrix: Soil **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4H0239-BLK1	QC	08/14/2024 10:14	5	50						
B4H0239-BS1	QC	08/14/2024 10:14	5	50	BE42111		50000			
B4H0239-BSD1	QC	08/14/2024 10:14	5	50	BE42111		50000			
B4H0239-DUP1	QC	08/14/2024 10:14	5	50		BFG0296-01				
B4H0239-MS1	QC	08/14/2024 10:14	5	50	BE42111	BFG0296-01	50000			
B4H0239-MSD1	QC	08/14/2024 10:14	5	50	BE42111	BFG0296-01	50000			
BFG0237-01	STLC-6010B-Pb	08/14/2024 10:14	5	50					Parsons	
BFG0296-01	STLC-6010B-Pb	08/14/2024 10:14	5	50						Added for BatchQC in: B4H0239
BFG0296-01	STLC-6010B-Se	08/14/2024 10:14	5	50						
BFG0296-01	STLC-6010B-Be	08/14/2024 10:14	5	50						
BFH0008-01	STLC-6010B-Pb	08/14/2024 10:14	5	50					Parsons	
BFH0008-02	STLC-6010B-Pb	08/14/2024 10:14	5	50					Parsons	
BFH0012-01	STLC-6010B-Pb	08/14/2024 10:14	5	50					Parsons	
BFH0012-02	STLC-6010B-Pb	08/14/2024 10:14	5	50					Parsons	
BFH0014-01	STLC-6010B-Pb	08/14/2024 10:14	5	50					Parsons	
BFH0014-02	STLC-6010B-Pb	08/14/2024 10:14	5	50					Parsons	

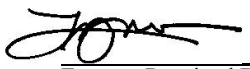
Pipette/Tip: 544461197/B107005
5Oml Tube: MP3971
HOTBLOCK: E
THERMOMETER: 10075
UNCOR TEMP: 95 C
COR TEMP: 95 C
DIGESTION STARTED: 12:30 hrs
TIME END: 15:00 hrs

8/14/24

iking Witnessed By Date

8/14/24

Preparation Reviewed By Date



8/14/24

Extracts Received By Date

ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFH0012
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4H0239-BLK1	File ID:	08142024BRR.csv-118
Sampled:		Prepared:	08/14/24 10:14	Analyzed:	08/14/24 15:51
Solids:		Preparation:	STLC- ICP	Dilution:	2
Batch:	B4H0239	Sequence:	S4H0010	Calibration:	4H15001
Column:	1				

Instrument: OPTIMA8300

ANALYTE	CONC. (mg/L)	MDL	RL	Q
Lead	ND	0.328	0.800	D

LCS / LCS DUPLICATE RECOVERY

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Preparation:	STLC- ICP
Batch:	B4H0239	Laboratory ID:	B4H0239-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Lead	20.0	18.2	90.9	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	20.0	19.3	96.5	5.96	15	80 - 120

DUPLICATES

Duplicate

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	B4H0239-DUP1
Batch:	B4H0239	Initial/Final:	5 mL / 50 mL
Preparation:	STLC- ICP	Analysis:	EPA 6010B-STLC
% Solids:	92.71		

ANALYTE	SAMPLE CONC. (mg/L)	DUPLICATE CONC. (mg/L)	RPD %	Q	CONTROL LIMIT
Lead	ND	ND			15

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B-STLC
Batch:	B4H0239	Preparation:	STLC- ICP
% Solids:	92.71	Laboratory ID:	B4H0239-MS1
Column:		Sample Lab ID:	BFG0296-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Lead	20.0	ND	15.5	77.3	70 - 130

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Lead	20.0	17.0	85.0	9.50	15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-STLC

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Sequence:	S4H0010	Instrument:	OPTIMA8300
Calibration:	4H15001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0010-IBL1	08142024BRR.csv-001	08/14/24 08:01
Cal Standard	S4H0010-CAL1	08142024BRR.csv-002	08/14/24 08:04
Cal Standard	S4H0010-CAL2	08142024BRR.csv-003	08/14/24 08:07
Cal Standard	S4H0010-CAL3	08142024BRR.csv-004	08/14/24 08:10
Cal Standard	S4H0010-CAL4	08142024BRR.csv-005	08/14/24 08:13
Cal Standard	S4H0010-CAL5	08142024BRR.csv-006	08/14/24 08:20
Cal Standard	S4H0010-CAL6	08142024BRR.csv-007	08/14/24 08:22
Initial Cal Check	S4H0010-ICV1	08142024BRR.csv-009	08/14/24 09:31
Initial Cal Blank	S4H0010-ICB1	08142024BRR.csv-010	08/14/24 09:35
Interference Check A	S4H0010-IFA1	08142024BRR.csv-011	08/14/24 09:40
Interference Check B	S4H0010-IFB1	08142024BRR.csv-012	08/14/24 09:50
Calibration Check	S4H0010-CCV1	08142024BRR.csv-013	08/14/24 09:53
Calibration Blank	S4H0010-CCB1	08142024BRR.csv-014	08/14/24 09:57
Calibration Check	S4H0010-CCV2	08142024BRR.csv-028	08/14/24 10:49
Calibration Blank	S4H0010-CCB2	08142024BRR.csv-029	08/14/24 10:54
Calibration Check	S4H0010-CCV3	08142024BRR.csv-040	08/14/24 11:29
Calibration Blank	S4H0010-CCB3	08142024BRR.csv-041	08/14/24 11:32
Calibration Check	S4H0010-CCV4	08142024BRR.csv-052	08/14/24 12:06
Calibration Blank	S4H0010-CCB4	08142024BRR.csv-053	08/14/24 12:09
Calibration Check	S4H0010-CCV5	08142024BRR.csv-058	08/14/24 12:24
Calibration Blank	S4H0010-CCB5	08142024BRR.csv-059	08/14/24 12:27
Calibration Check	S4H0010-CCV6	08142024BRR.csv-070	08/14/24 13:04
Calibration Blank	S4H0010-CCB6	08142024BRR.csv-071	08/14/24 13:07
Calibration Check	S4H0010-CCV7	08142024BRR.csv-082	08/14/24 13:40
Calibration Blank	S4H0010-CCB7	08142024BRR.csv-083	08/14/24 13:45
Calibration Check	S4H0010-CCV8	08142024BRR.csv-093	08/14/24 14:31
Calibration Blank	S4H0010-CCB8	08142024BRR.csv-094	08/14/24 14:34
Calibration Check	S4H0010-CCV9	08142024BRR.csv-105	08/14/24 15:08

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-STLC

Laboratory:	AETL	SDG:	BFH0012
Client:		Project:	684735
Sequence:	S4H0010	Instrument:	OPTIMA8300
Calibration:	4H15001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	S4H0010-CCB9	08142024BRR.csv-106	08/14/24 15:11
Calibration Check	S4H0010-CCVA	08142024BRR.csv-116	08/14/24 15:42
Calibration Blank	S4H0010-CCBA	08142024BRR.csv-117	08/14/24 15:46
Blank	B4H0239-BLK1	08142024BRR.csv-118	08/14/24 15:51
LCS	B4H0239-BS1	08142024BRR.csv-119	08/14/24 15:55
LCS Dup	B4H0239-BSD1	08142024BRR.csv-120	08/14/24 15:58
Duplicate	B4H0239-DUP1	08142024BRR.csv-122	08/14/24 16:10
Matrix Spike	B4H0239-MS1	08142024BRR.csv-123	08/14/24 16:13
Matrix Spike Dup	B4H0239-MSD1	08142024BRR.csv-124	08/14/24 16:16
Calibration Check	S4H0010-CCVB	08142024BRR.csv-127	08/14/24 16:26
Calibration Blank	S4H0010-CCBB	08142024BRR.csv-128	08/14/24 16:30
E1291-WC-A1A2	BFH0012-01	08142024BRR.csv-130	08/14/24 16:36
E1291-WC-A1A2A3	BFH0012-02	08142024BRR.csv-131	08/14/24 16:39
Calibration Check	S4H0010-CCVC	08142024BRR.csv-136	08/14/24 17:01
Calibration Blank	S4H0010-CCBC	08142024BRR.csv-137	08/14/24 17:04

INITIAL CALIBRATION VERIFICATION

EPA 6010B-STLC

Laboratory: AETL
SDG: BFH0012
Client:
Project: 684735
Calibration: 4H15001
Laboratory ID: S4H0010-ICV1
Sequence: S4H0010
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	2.00	2.09	4.7	10.00

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B-STLC

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFH0012
Project: 684735
Calibration: 4H15001
Sequence: S4H0010

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0010-ICV1	Lead	2.00	2.09	105	mg/L	+/- 10.00%
S4H0010-CCV1	Lead	2.00	2.07	103	mg/L	+/- 10.00%
S4H0010-CCV2	Lead	2.00	2.03	101	mg/L	+/- 10.00%
S4H0010-CCV3	Lead	2.00	1.96	98.2	mg/L	+/- 10.00%
S4H0010-CCV4	Lead	2.00	1.94	96.9	mg/L	+/- 10.00%
S4H0010-CCV5	Lead	2.00	1.97	98.7	mg/L	+/- 10.00%
S4H0010-CCV6	Lead	2.00	1.96	97.9	mg/L	+/- 10.00%
S4H0010-CCV7	Lead	2.00	1.89	94.4	mg/L	+/- 10.00%
S4H0010-CCV8	Lead	2.00	2.06	103	mg/L	+/- 10.00%
S4H0010-CCV9	Lead	2.00	2.04	102	mg/L	+/- 10.00%
S4H0010-CCVA	Lead	2.00	2.02	101	mg/L	+/- 10.00%
S4H0010-CCVB	Lead	2.00	1.85	92.3	mg/L	+/- 10.00%
S4H0010-CCVC	Lead	2.00	2.13	106	mg/L	+/- 10.00%

Blank Results

EPA 6010B-STLC

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4H0010-ICB1	Lead	0.0132	mg/L	0.0400
S4H0010-CCB1	Lead	0.0155	mg/L	0.0400
S4H0010-CCB2	Lead	0.0174	mg/L	0.0400
S4H0010-CCB3	Lead	0.00344	mg/L	0.0400
S4H0010-CCB4	Lead	-0.00452	mg/L	0.0400
S4H0010-CCB5	Lead	-0.00165	mg/L	0.0400
S4H0010-CCB6	Lead	-0.00977	mg/L	0.0400
S4H0010-CCB7	Lead	0.00159	mg/L	0.0400
S4H0010-CCB8	Lead	0.0112	mg/L	0.0400
S4H0010-CCB9	Lead	0.00391	mg/L	0.0400
S4H0010-CCBA	Lead	-0.00298	mg/L	0.0400
S4H0010-CCBB	Lead	0.00998	mg/L	0.0400
S4H0010-CCBC	Lead	-0.00870	mg/L	0.0400

INTERFERENCE CHECK SAMPLE

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H15001
Sequence:	S4H0010		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0010-IFA1	Lead	0.00	0.02341	mg/L	-100	±20.00 %	8/14/24 9:40

INTERFERENCE CHECK SAMPLE

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFH0012
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H15001
Sequence:	S4H0010		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0010-IFB1	Lead	0.500	0.49186	mg/L	-2	±20.00 %	8/14/24 9:50

Report Prepared For:

Parsons

Client Project Description:

PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

ATL Work Order: 2401010

Date of Preparation: 06-21-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401010

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June 21, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401010

Client Reference : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on June 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 06/21/24 14:49 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	06/21/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PIA-02880-WC-A1A2	2401010-01	Soil	6/19/24 11:39	6/19/24 15:50
PIA-02880-WC-A1A2A3	2401010-02	Soil	6/19/24 11:40	6/19/24 15:50

Certificate of Analysis

Parsons		Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	06/21/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on June 19th, 2024 at 15:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons		Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	06/21/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B14	Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 06/21/2024

Client Sample ID: PIA-02880-WC-A1A2
Lab ID: 2401010-01

Total Metals by ICP-AES EPA 6010B — **Analyst: ICP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**1.6**	2.0	0.77	1	B4F0783	06/20/2024	06/20/24 20:07	J
Arsenic	**3.7**	2.0	0.71	1	B4F0783	06/20/2024	06/20/24 20:07	
Cadmium	**2.4**	1.0	0.06	1	B4F0783	06/20/2024	06/20/24 20:07	
Copper	**36**	1.0	0.22	1	B4F0783	06/20/2024	06/20/24 20:07	
Lead	**100**	1.0	0.18	1	B4F0783	06/20/2024	06/20/24 20:07	
Zinc	**290**	2.0	0.30	1	B4F0783	06/20/2024	06/20/24 20:07	

Client Sample ID: PIA-02880-WC-A1A2A3
Lab ID: 2401010-02

Total Metals by ICP-AES EPA 6010B — **Analyst: ICP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**1.9**	2.0	0.77	1	B4F0783	06/20/2024	06/20/24 20:10	J
Arsenic	**3.4**	2.0	0.71	1	B4F0783	06/20/2024	06/20/24 20:10	
Cadmium	**2.3**	1.0	0.06	1	B4F0783	06/20/2024	06/20/24 20:10	
Copper	**32**	1.0	0.22	1	B4F0783	06/20/2024	06/20/24 20:10	
Lead	**86**	1.0	0.18	1	B4F0783	06/20/2024	06/20/24 20:10	
Zinc	**180**	2.0	0.30	1	B4F0783	06/20/2024	06/20/24 20:10	

Certificate of Analysis

Parsons	Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 06/21/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0783 - EPA 3050B_S										
Blank (B4F0783-BLK1)						Prepared: 6/18/2024 Analyzed: 6/20/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4F0783-BS1)						Prepared: 6/18/2024 Analyzed: 6/20/2024				
Antimony	26.5999	2.0	0.77	25.0000		106	80 - 120			
Arsenic	24.4905	2.0	0.71	25.0000		98.0	80 - 120			
Cadmium	24.8087	1.0	0.06	25.0000		99.2	80 - 120			
Copper	22.9627	1.0	0.22	25.0000		91.9	80 - 120			
Lead	23.8317	1.0	0.18	25.0000		95.3	80 - 120			
Zinc	23.2993	2.0	0.30	25.0000		93.2	80 - 120			
Matrix Spike (B4F0783-MS1)			**Source: 2400989-01**			Prepared: 6/19/2024 Analyzed: 6/20/2024				
Antimony	20.6778	2.0	0.77	25.0000	0.811822	79.5	75 - 125			
Arsenic	26.0665	2.0	0.71	25.0000	2.84605	92.9	75 - 125			
Cadmium	25.2505	1.0	0.06	25.0000	1.91348	93.3	75 - 125			
Copper	48.4458	1.0	0.22	25.0000	27.9454	82.0	75 - 125			
Lead	69.4350	1.0	0.18	25.0000	53.8438	62.4	75 - 125			M2
Zinc	123.170	2.0	0.30	25.0000	114.051	36.5	75 - 125			M2
Matrix Spike Dup (B4F0783-MSD1)			**Source: 2400989-01**			Prepared: 6/19/2024 Analyzed: 6/20/2024				
Antimony	20.3450	2.0	0.77	25.0000	0.811822	78.1	75 - 125	1.62	20	
Arsenic	26.8704	2.0	0.71	25.0000	2.84605	96.1	75 - 125	3.04	20	
Cadmium	28.1038	1.0	0.06	25.0000	1.91348	105	75 - 125	10.7	20	
Copper	48.2442	1.0	0.22	25.0000	27.9454	81.2	75 - 125	0.417	20	
Lead	72.4694	1.0	0.18	25.0000	53.8438	74.5	75 - 125	4.28	20	M2
Zinc	128.352	2.0	0.30	25.0000	114.051	57.2	75 - 125	4.12	20	M2

Certificate of Analysis

Parsons	Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 06/21/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0783 - EPA 3050B_S									
Post Spike (B4F0783-PS1)			**Source: 2400989-01**		Prepared: 6/18/2024 Analyzed: 6/20/2024				
Antimony	0.490639		0.500000	0.016236	94.9	75 - 125			
Arsenic	0.535991		0.500000	0.056921	95.8	75 - 125			
Cadmium	0.545032		0.500000	0.038270	101	75 - 125			
Copper	1.07497		0.500000	0.558907	103	75 - 125			
Lead	1.53651		0.500000	1.07688	91.9	75 - 125			
Zinc	2.70293		0.500000	2.28103	84.4	75 - 125			

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructia n: Complete oll shoded areas .

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
☐ Client ☐ ATL	Condition	Y	N	Condition	Y	N
☐ FedEx ☐ OnTrac	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ GSO	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ Other:	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State:	Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential		Quote #:	
Site Address: 1142 S Alma Ave, Los Angeles 90023		Site ID: PIA-02880	
Project No.: 684735		PO #:	
Sampler: Joshua Cottingham			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Jar; 4=Print; 5=Air; 6=Sedar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 or C; 5=NaOH; 6=NaOH; 7=NaNO3	Remarks
1	1	PIA-02880-WC-A1A2	PIA-02880-WC	6/19/2024	1139	x	x	x		1	5	1		
2	2	PIA-02880-WC-A1A2A3	PIA-02880-WC	6/19/2024	1140	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Josh Cottingham	6-19-24	1442		6/19/24	1442
	6/19/24	1550	Dannyle	6/19/24	1550
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

Table of Contents

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
PIA-02880-WC-A1A2	2401010-01
PIA-02880-WC-A1A2A3	2401010-02

Sample Receiving Documents

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401010

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	06/27/2024 20:00	Received in Lab:	06/19/2024 15:50
Received By:	Danny Le	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401010-01 PIA-02880-WC-A1A2 [Soil] Sampled 06/19/2024 11:39			
6010_Exide_6 Metals Ver: NONE	06/27/2024 20:00	12/16/2024 00:00	1
2401010-02 PIA-02880-WC-A1A2A3 [Soil] Sampled 06/19/2024 11:40			
6010_Exide_6 Metals Ver: NONE	06/27/2024 20:00	12/16/2024 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401010

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-01 | Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:07

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	1.6	0.77	2.0	1	J
7440-38-2	Arsenic	3.7	0.71	2.0	1	
7440-43-9	Cadmium	2.4	0.06	1.0	1	
7440-50-8	Copper	36	0.22	1.0	1	
7439-92-1	Lead	100	0.18	1.0	1	
7440-66-6	Zinc	290	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-02 | Laboratory ID: PIA-02880-WC-A1A2A3

Sampled: 06/19/24 11:40 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:10

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	1.9	0.77	2.0	1	J
7440-38-2	Arsenic	3.4	0.71	2.0	1	
7440-43-9	Cadmium	2.3	0.06	1.0	1	
7440-50-8	Copper	32	0.22	1.0	1	
7439-92-1	Lead	86	0.18	1.0	1	
7440-66-6	Zinc	180	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401010
Client:	Parsons	Project:	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA
Batch:	B4F0783 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
PIA-02880-WC-A1A2	2401010-01	06/20/24 13:00	1.00	50
PIA-02880-WC-A1A2A3	2401010-02	06/20/24 13:00	1.00	50
Blank	B4F0783-BLK1	06/18/24 16:36	1.00	50
LCS	B4F0783-BS1	06/18/24 16:36	1.00	50
Matrix Spike	B4F0783-MS1	06/19/24 08:40	1.00	50
Matrix Spike Dup	B4F0783-MSD1	06/19/24 08:40	1.00	50
Dilution Check	B4F0783-SRL1	06/18/24 16:36	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4F0783

Extraction Method: EPA 3050B_S

Batch Start Date: 06/20/2024 13:20 **Batch Analyst:** DL2

Analysis Method: EPA 6010B

Batch End Date: 06/20/2024 15:40

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401010-01	PIA-02880-WC-A1A 2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401010-02	PIA-02880-WC-A1A 2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4F0783-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4F0783-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4F0783-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2400989-01	5 mL	1.5 mL	5 mL	5 mL	
B4F0783-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2400989-01	5 mL	1.5 mL	5 mL	5 mL	
B4F0783-SRL1	Dilution Check	1.00	50.00			2400989-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0526	Concentrated Nitric Acid	1123090
A4D0521	1:1 Nitric Acid	NA
A4D0549	Concentrated Hydrochloric Acid	4123090
A4A0581	Hydrogen Peroxide	K54376509

Equipment Used

Type	Equipment ID	LotNum
Thermometer ID	MPTHERM 09	935128
Dispenser ID	MPDISP02	347844
Dispenser ID	MPDISP03	18D19828
Pipette	MPP01	22E77439
Digestion Unit	DB01	4507CEC2139
Dispenser ID	MPDISP01	04K58398
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4F0783

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4F0783-BLK1	Antimony	0.167185	0.77	2.0	06/20/24 18:42	U	EPA 6010B
	Arsenic	0.496991	0.71	2.0	06/20/24 18:42	U	EPA 6010B
	Cadmium	-0.318907	0.06	1.0	06/20/24 18:42	U	EPA 6010B
	Copper	-0.038992	0.22	1.0	06/20/24 18:42	U	EPA 6010B
	Lead	-0.851144	0.18	1.0	06/20/24 18:42	U	EPA 6010B
	Zinc	-0.852354	0.30	2.0	06/20/24 18:42	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Laboratory ID: B4F0783-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	26.5999	25.0000	106		80 - 120
Arsenic	24.4905	25.0000	98.0		80 - 120
Cadmium	24.8087	25.0000	99.2		80 - 120
Copper	22.9627	25.0000	91.9		80 - 120
Lead	23.8317	25.0000	95.3		80 - 120
Zinc	23.2993	25.0000	93.2		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	0.811822	20.6778	25.0000	79.5		75 - 125
Arsenic	2.84605	26.0665	25.0000	92.9		75 - 125
Cadmium	1.91348	25.2505	25.0000	93.3		75 - 125
Copper	27.9454	48.4458	25.0000	82.0		75 - 125
Lead	53.8438	69.4350	25.0000	62.4	M2	75 - 125
Zinc	114.051	123.170	25.0000	36.5	M2	75 - 125

Laboratory ID: B4F0783-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	20.3450	78.1	1.62	25.0000		20	75 - 125
Arsenic	26.8704	96.1	3.04	25.0000		20	75 - 125
Cadmium	28.1038	105	10.7	25.0000		20	75 - 125
Copper	48.2442	81.2	0.417	25.0000		20	75 - 125
Lead	72.4694	74.5	4.28	25.0000	M2	20	75 - 125
Zinc	128.352	57.2	4.12	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4F0783

Concentration Units: mg/L

Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4F0783-PS1						
Antimony	0.016236	0.490639	0.500000	94.9		75 - 125
Arsenic	0.056921	0.535991	0.500000	95.8		75 - 125
Cadmium	0.038270	0.545032	0.500000	101		75 - 125
Copper	0.558907	1.07497	0.500000	103		75 - 125
Lead	1.07688	1.53651	0.500000	91.9		75 - 125
Zinc	2.28103	2.70293	0.500000	84.4		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4F0617

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4F0617-IBL1	240620-02 RR-001	06/20/24 10:16
Cal Standard	S4F0617-CAL1	240620-02 RR-002	06/20/24 10:19
Cal Standard	S4F0617-CAL2	240620-02 RR-003	06/20/24 10:22
Cal Standard	S4F0617-CAL3	240620-02 RR-004	06/20/24 10:25
Cal Standard	S4F0617-CAL4	240620-02 RR-005	06/20/24 10:28
Cal Standard	S4F0617-CAL5	240620-02 RR-006	06/20/24 10:31
Cal Standard	S4F0617-CAL6	240620-02 RR-007	06/20/24 10:33
Cal Standard	S4F0617-CAL7	240620-02 RR-008	06/20/24 10:36
Initial Cal Check	S4F0617-ICV1	240620-02 RR-009	06/20/24 10:50
Initial Cal Blank	S4F0617-ICB1	240620-02 RR-010	06/20/24 10:52
Interference Check A	S4F0617-IFA1	240620-02 RR-012	06/20/24 11:01
Interference Check B	S4F0617-IFB1	240620-02 RR-013	06/20/24 11:03
Calibration Check	S4F0617-CCV1	240620-02 RR-014	06/20/24 13:39
Calibration Blank	S4F0617-CCB1	240620-02 RR-015	06/20/24 13:54
Calibration Check	S4F0617-CCV5	240620-02 RR-070	06/20/24 18:34
Calibration Blank	S4F0617-CCB5	240620-02 RR-071	06/20/24 18:37
Blank	B4F0783-BLK1	240620-02 RR-072	06/20/24 18:42
LCS	B4F0783-BS1	240620-02 RR-074	06/20/24 18:49
Matrix Spike	B4F0783-MS1	240620-02 RR-075	06/20/24 18:51
Matrix Spike Dup	B4F0783-MSD1	240620-02 RR-076	06/20/24 18:54
Post Spike	B4F0783-PS1	240620-02 RR-077	06/20/24 18:56
Dilution Check	B4F0783-SRL1	240620-02 RR-078	06/20/24 18:59
Calibration Check	S4F0617-CCV6	240620-02 RR-083	06/20/24 19:12
Calibration Blank	S4F0617-CCB6	240620-02 RR-084	06/20/24 19:15
Calibration Check	S4F0617-CCV7	240620-02 RR-095	06/20/24 19:47
Calibration Blank	S4F0617-CCB7	240620-02 RR-096	06/20/24 19:50
PIA-02880-WC-A1A2	2401010-01	240620-02 RR-097	06/20/24 20:07
PIA-02880-WC-A1A2A3	2401010-02	240620-02 RR-098	06/20/24 20:10
Calibration Check	S4F0617-CCV8	240620-02 RR-105	06/20/24 20:34
Calibration Blank	S4F0617-CCB8	240620-02 RR-106	06/20/24 20:37

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16
ICV Source: A4F0515
Concentration Units: mg/L
CCV Source: A4F0512

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4F0617-ICV1	Antimony	0.500000	0.490331	98.1	06/20/24 10:50	+/- 10.00%
	Arsenic	0.500000	0.492809	98.6	06/20/24 10:50	+/- 10.00%
	Cadmium	0.500000	0.495648	99.1	06/20/24 10:50	+/- 10.00%
	Copper	0.500000	0.485383	97.1	06/20/24 10:50	+/- 10.00%
	Lead	0.500000	0.505324	101	06/20/24 10:50	+/- 10.00%
	Zinc	0.500000	0.542147	108	06/20/24 10:50	+/- 10.00%
S4F0617-CCV1	Antimony	2.00000	2.05712	103	06/20/24 13:39	+/- 10.00%
	Arsenic	2.00000	2.16896	108	06/20/24 13:39	+/- 10.00%
	Cadmium	2.00000	2.17608	109	06/20/24 13:39	+/- 10.00%
	Copper	2.00000	1.98824	99.4	06/20/24 13:39	+/- 10.00%
	Lead	2.00000	2.05350	103	06/20/24 13:39	+/- 10.00%
	Zinc	2.00000	2.00016	100	06/20/24 13:39	+/- 10.00%
S4F0617-CCV5	Antimony	2.00000	2.03839	102	06/20/24 18:34	+/- 10.00%
	Arsenic	2.00000	2.14489	107	06/20/24 18:34	+/- 10.00%
	Cadmium	2.00000	2.11860	106	06/20/24 18:34	+/- 10.00%
	Copper	2.00000	1.98866	99.4	06/20/24 18:34	+/- 10.00%
	Lead	2.00000	2.03551	102	06/20/24 18:34	+/- 10.00%
	Zinc	2.00000	1.86145	93.1	06/20/24 18:34	+/- 10.00%
S4F0617-CCV6	Antimony	2.00000	2.05100	103	06/20/24 19:12	+/- 10.00%
	Arsenic	2.00000	2.11467	106	06/20/24 19:12	+/- 10.00%
	Cadmium	2.00000	2.13037	107	06/20/24 19:12	+/- 10.00%
	Copper	2.00000	1.99161	99.6	06/20/24 19:12	+/- 10.00%
	Lead	2.00000	2.05746	103	06/20/24 19:12	+/- 10.00%
	Zinc	2.00000	1.89604	94.8	06/20/24 19:12	+/- 10.00%
S4F0617-CCV7	Antimony	2.00000	2.05144	103	06/20/24 19:47	+/- 10.00%
	Arsenic	2.00000	2.10498	105	06/20/24 19:47	+/- 10.00%
	Cadmium	2.00000	2.10485	105	06/20/24 19:47	+/- 10.00%
	Copper	2.00000	1.97966	99.0	06/20/24 19:47	+/- 10.00%
	Lead	2.00000	2.03599	102	06/20/24 19:47	+/- 10.00%
	Zinc	2.00000	1.96910	98.5	06/20/24 19:47	+/- 10.00%
S4F0617-CCV8	Antimony	2.00000	2.01985	101	06/20/24 20:34	+/- 10.00%
	Arsenic	2.00000	2.11105	106	06/20/24 20:34	+/- 10.00%
	Cadmium	2.00000	2.11761	106	06/20/24 20:34	+/- 10.00%
	Copper	2.00000	1.98110	99.1	06/20/24 20:34	+/- 10.00%
	Lead	2.00000	2.03690	102	06/20/24 20:34	+/- 10.00%
	Zinc	2.00000	2.09207	105	06/20/24 20:34	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4F0617

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4F0617-ICB1	Antimony	0.017532	0.02	0.04	06/20/24 10:52		EPA 6010B
	Arsenic	-0.005486	0.01	0.04	06/20/24 10:52	U	EPA 6010B
	Cadmium	7.50E-6	0.001	0.02	06/20/24 10:52		EPA 6010B
	Copper	-1.6621E-3	0.004	0.02	06/20/24 10:52	U	EPA 6010B
	Lead	0.001839	0.004	0.02	06/20/24 10:52		EPA 6010B
	Zinc	-0.020666	0.006	0.04	06/20/24 10:52	U	EPA 6010B
S4F0617-CCB1	Antimony	0.008988	0.02	0.04	06/20/24 13:54		EPA 6010B
	Arsenic	0.000995	0.01	0.04	06/20/24 13:54		EPA 6010B
	Cadmium	-0.005752	0.001	0.02	06/20/24 13:54	U	EPA 6010B
	Copper	-0.001784	0.004	0.02	06/20/24 13:54	U	EPA 6010B
	Lead	-0.012935	0.004	0.02	06/20/24 13:54	U	EPA 6010B
	Zinc	-0.019325	0.006	0.04	06/20/24 13:54	U	EPA 6010B
S4F0617-CCB5	Antimony	0.021991	0.02	0.04	06/20/24 18:37	3, B	EPA 6010B
	Arsenic	0.006398	0.01	0.04	06/20/24 18:37		EPA 6010B
	Cadmium	-0.006395	0.001	0.02	06/20/24 18:37	U	EPA 6010B
	Copper	-0.000317	0.004	0.02	06/20/24 18:37	U	EPA 6010B
	Lead	-0.016658	0.004	0.02	06/20/24 18:37	U	EPA 6010B
	Zinc	-0.018474	0.006	0.04	06/20/24 18:37	U	EPA 6010B
S4F0617-CCB6	Antimony	0.015013	0.02	0.04	06/20/24 19:15		EPA 6010B
	Arsenic	0.004115	0.01	0.04	06/20/24 19:15		EPA 6010B
	Cadmium	-0.005966	0.001	0.02	06/20/24 19:15	U	EPA 6010B
	Copper	0.000511	0.004	0.02	06/20/24 19:15		EPA 6010B
	Lead	-0.013909	0.004	0.02	06/20/24 19:15	U	EPA 6010B
	Zinc	-0.017759	0.006	0.04	06/20/24 19:15	U	EPA 6010B
S4F0617-CCB7	Antimony	0.013289	0.02	0.04	06/20/24 19:50		EPA 6010B
	Arsenic	0.005541	0.01	0.04	06/20/24 19:50		EPA 6010B
	Cadmium	-0.005884	0.001	0.02	06/20/24 19:50	U	EPA 6010B
	Copper	0.000976	0.004	0.02	06/20/24 19:50		EPA 6010B
	Lead	-0.010905	0.004	0.02	06/20/24 19:50	U	EPA 6010B
	Zinc	-0.017195	0.006	0.04	06/20/24 19:50	U	EPA 6010B
S4F0617-CCB8	Antimony	0.023006	0.02	0.04	06/20/24 20:37	3, B	EPA 6010B
	Arsenic	-0.000107	0.01	0.04	06/20/24 20:37	U	EPA 6010B
	Cadmium	-0.004712	0.001	0.02	06/20/24 20:37	U	EPA 6010B
	Copper	0.000647	0.004	0.02	06/20/24 20:37		EPA 6010B
	Lead	-0.013849	0.004	0.02	06/20/24 20:37	U	EPA 6010B
	Zinc	-0.016687	0.006	0.04	06/20/24 20:37	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4F0617-IFA1	Antimony		0.00568	mg/L		<0.04	6/20/24 11:01
	Arsenic		-0.00974	mg/L		<0.04	6/20/24 11:01
	Cadmium		0.01035	mg/L		<0.02	6/20/24 11:01
	Copper		-0.00941	mg/L		<0.02	6/20/24 11:01
	Lead		-0.04499	mg/L		<0.02	6/20/24 11:01
	Zinc		-0.02524	mg/L		<0.04	6/20/24 11:01

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4F0617-IFB1	Antimony	0.500000	0.46311	mg/L	7	±20.00 %	6/20/24 11:03
	Arsenic	0.500000	0.50991	mg/L	-2	±20.00 %	6/20/24 11:03
	Cadmium	0.500000	0.49735	mg/L	1	±20.00 %	6/20/24 11:03
	Copper	0.500000	0.51038	mg/L	-2	±20.00 %	6/20/24 11:03
	Lead	0.500000	0.43668	mg/L	13	±20.00 %	6/20/24 11:03
	Zinc	0.500000	0.41607	mg/L	17	±20.00 %	6/20/24 11:03

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructia n: Complete oll shoded areas .

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
☐ Client ☐ ATL	Condition	Y	N	Condition	Y	N
☐ FedEx ☐ OnTrac	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ GSO	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ Other:	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State:	Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential		Quote #:	
Site Address: 1142 S Alma Ave, Los Angeles 90023		Site ID: PIA-02880	
Project No.: 684735		PO #:	
Sampler: Joshua Cottingham			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Jar; 4=Print; 5=Air; 6=Sedar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 =4C; 5=NaOH; 6=NaOH; 7=NaNO3	Remarks
1	1	PIA-02880-WC-A1A2	PIA-02880-WC	6/19/2024	1139	x	x	x		1	5	1		
2	2	PIA-02880-WC-A1A2A3	PIA-02880-WC	6/19/2024	1140	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Josh Cottingham	6-19-24	1442		6/19/24	1442
	6/19/24	1550	Dannyle	6/19/24	1550
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

Table of Contents

Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0508
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0508 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0509
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0509 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0510
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0510 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0511
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0511 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0512
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0512 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0513
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0513 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0514
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4F0514 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0515
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0515 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0544
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 06/17/2024
Date Expires: 07/01/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4F0544 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0554
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 06/19/2024
Date Expires: 07/03/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0554 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0555
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 06/19/2024
Date Expires: 07/03/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4F0555 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0554	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

Report Prepared For:

Parsons

Client Project Description:

PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

ATL Work Order: 2401010

Date of Preparation: 07-24-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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July 24, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401010

Client Reference : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on June 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/24/24 08:05 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

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The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/24/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PIA-02880-WC-A1A2	2401010-01	Soil	6/19/24 11:39	6/19/24 15:50
PIA-02880-WC-A1A2A3	2401010-02	Soil	6/19/24 11:40	6/19/24 15:50

Certificate of Analysis

Parsons		Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/24/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on June 19th, 2024 at 15:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To :	Tom Blaney
Pasadena , CA 91124	Reported :	07/24/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B3	Analyte is detected in the associated method blank, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B14	Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons		Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/24/2024

TCLP Metals by ICP-AES EPA 6010B

Analyte: Lead **Analyst: JB**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401010-01	PIA-02880-WC-A1A2	**ND**	mg/L	0.10	0.020	5	B4G0836	07/19/2024	07/23/24 15:04	U

STLC Metals by ICP-AES by EPA 6010B

Analyte: Lead **Analyst: JB**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401010-01	PIA-02880-WC-A1A2	**3.1**	mg/L	0.10	0.020	5	B4G0834	07/19/2024	07/23/24 13:54	

Client Sample ID: PIA-02880-WC-A1A2

Lab ID: 2401010-01

Total Metals by ICP-AES EPA 6010B

Analyst: ICP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**1.6**	2.0	0.77	1	B4F0783	06/20/2024	06/20/24 20:07	J
Arsenic	**3.7**	2.0	0.71	1	B4F0783	06/20/2024	06/20/24 20:07	
Cadmium	**2.4**	1.0	0.06	1	B4F0783	06/20/2024	06/20/24 20:07	
Copper	**36**	1.0	0.22	1	B4F0783	06/20/2024	06/20/24 20:07	
Lead	**100**	1.0	0.18	1	B4F0783	06/20/2024	06/20/24 20:07	
Zinc	**290**	2.0	0.30	1	B4F0783	06/20/2024	06/20/24 20:07	

Certificate of Analysis

Parsons		Project Number :	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/24/2024

Client Sample ID: PIA-02880-WC-A1A2A3

Lab ID: 2401010-02

Total Metals by ICP-AES EPA 6010B **Analyst: ICP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**1.9**	2.0	0.77	1	B4F0783	06/20/2024	06/20/24 20:10	J
Arsenic	**3.4**	2.0	0.71	1	B4F0783	06/20/2024	06/20/24 20:10	
Cadmium	**2.3**	1.0	0.06	1	B4F0783	06/20/2024	06/20/24 20:10	
Copper	**32**	1.0	0.22	1	B4F0783	06/20/2024	06/20/24 20:10	
Lead	**86**	1.0	0.18	1	B4F0783	06/20/2024	06/20/24 20:10	
Zinc	**180**	2.0	0.30	1	B4F0783	06/20/2024	06/20/24 20:10	

Certificate of Analysis

Parsons	Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0783 - EPA 3050B_S										
Blank (B4F0783-BLK1)						Prepared: 6/18/2024 Analyzed: 6/20/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4F0783-BS1)						Prepared: 6/18/2024 Analyzed: 6/20/2024				
Antimony	26.5999	2.0	0.77	25.0000		106	80 - 120			
Arsenic	24.4905	2.0	0.71	25.0000		98.0	80 - 120			
Cadmium	24.8087	1.0	0.06	25.0000		99.2	80 - 120			
Copper	22.9627	1.0	0.22	25.0000		91.9	80 - 120			
Lead	23.8317	1.0	0.18	25.0000		95.3	80 - 120			
Zinc	23.2993	2.0	0.30	25.0000		93.2	80 - 120			
Matrix Spike (B4F0783-MS1)			**Source: 2400989-01**			Prepared: 6/19/2024 Analyzed: 6/20/2024				
Antimony	20.6778	2.0	0.77	25.0000	0.811822	79.5	75 - 125			
Arsenic	26.0665	2.0	0.71	25.0000	2.84605	92.9	75 - 125			
Cadmium	25.2505	1.0	0.06	25.0000	1.91348	93.3	75 - 125			
Copper	48.4458	1.0	0.22	25.0000	27.9454	82.0	75 - 125			
Lead	69.4350	1.0	0.18	25.0000	53.8438	62.4	75 - 125			M2
Zinc	123.170	2.0	0.30	25.0000	114.051	36.5	75 - 125			M2
Matrix Spike Dup (B4F0783-MSD1)			**Source: 2400989-01**			Prepared: 6/19/2024 Analyzed: 6/20/2024				
Antimony	20.3450	2.0	0.77	25.0000	0.811822	78.1	75 - 125	1.62	20	
Arsenic	26.8704	2.0	0.71	25.0000	2.84605	96.1	75 - 125	3.04	20	
Cadmium	28.1038	1.0	0.06	25.0000	1.91348	105	75 - 125	10.7	20	
Copper	48.2442	1.0	0.22	25.0000	27.9454	81.2	75 - 125	0.417	20	
Lead	72.4694	1.0	0.18	25.0000	53.8438	74.5	75 - 125	4.28	20	M2
Zinc	128.352	2.0	0.30	25.0000	114.051	57.2	75 - 125	4.12	20	M2

Certificate of Analysis

Parsons	Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0783 - EPA 3050B_S									
Post Spike (B4F0783-PS1)			**Source: 2400989-01**		Prepared: 6/18/2024 Analyzed: 6/20/2024				
Antimony	0.490639		0.500000	0.016236	94.9	75 - 125			
Arsenic	0.535991		0.500000	0.056921	95.8	75 - 125			
Cadmium	0.545032		0.500000	0.038270	101	75 - 125			
Copper	1.07497		0.500000	0.558907	103	75 - 125			
Lead	1.53651		0.500000	1.07688	91.9	75 - 125			
Zinc	2.70293		0.500000	2.28103	84.4	75 - 125			

Certificate of Analysis

Parsons	Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

TCLP Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0836 - EPA 3010A_TCLP_S										
Blank (B4G0836-BLK1)						Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	ND	0.10	0.020							U
LCS (B4G0836-BS1)						Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	0.463522	0.10	0.020	0.500000		92.7	80 - 120			
Matrix Spike (B4G0836-MS1)			**Source: 2401029-01**			Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	0.467979	0.10	0.020	0.500000	ND	93.6	75 - 125			
Matrix Spike Dup (B4G0836-MSD1)			**Source: 2401029-01**			Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	0.443564	0.10	0.020	0.500000	ND	88.7	75 - 125	5.36	20	
Post Spike (B4G0836-PS1)			**Source: 2401029-01**			Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	0.512808			0.500000	0.016520	99.3	75 - 125			

Certificate of Analysis

Parsons	Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0834 - STLC_S Extraction										
Blank (B4G0834-BLK1)						Prepared: 7/19/2024 Analyzed: 7/22/2024				
Lead	0.025967	0.10	0.020							B3, J
LCS (B4G0834-BS1)						Prepared: 7/19/2024 Analyzed: 7/22/2024				
Lead	0.499717	0.10	0.020	0.500000		99.9	80 - 120			
Matrix Spike (B4G0834-MS1)			**Source: 2400766-01**			Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	15.5386	0.10	0.020	0.500000	13.8052	347	75 - 125			M2
Matrix Spike Dup (B4G0834-MSD1)			**Source: 2400766-01**			Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	14.3504	0.10	0.020	0.500000	13.8052	109	75 - 125	7.95	20	
Post Spike (B4G0834-PS1)			**Source: 2400766-01**			Prepared: 7/19/2024 Analyzed: 7/23/2024				
Lead	14.8364			0.500000	13.8052	206	75 - 125			M2

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructia n: Complete oll shoded areas .

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
☐ Client ☐ ATL	Condition	Y	N	Condition	Y	N
☐ FedEx ☐ OnTrac	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ GSO	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ Other:	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State:	Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential		Quote #:	
Site Address: 1142 S Alma Ave, Los Angeles 90023		Site ID: PIA-02880	
Project No.: 684735		PO #:	
Sampler: Joshua Cottingham			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA, 3=Liter; 4=Pint; 5=Jar; 6=Bottle; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 =4C; 5=NaOH; 6=NaOH, ZnNAOO3	Remarks
1	1	PIA-02880-WC-A1A2	PIA-02880-WC	6/19/2024	1139	x	x	x		1	5	1		
2	2	PIA-02880-WC-A1A2A3	PIA-02880-WC	6/19/2024	1140	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Josh Cottingham	6-19-24	1442	[illegible]	6/19/24	1442
[illegible]	6/19/24	1550	Dannyle	6/19/24	1550

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Tuesday, July 9, 2024 9:20 AM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1342-WC-A1A2 (LAB REPORT 2401012): STLC and TCLP for lead
2. D1342-WC-A1A2A3 (LAB REPORT 2401012): STLC and TCLP for lead
3. PIA-02880-WC-A1A2 (LAB REPORT 2401010): STLC and TCLP for lead
4. RP1985-WC-A1A2 (LAB REPORT 2401014): STLC and TCLP for lead
5. RP1985-WC-A1A2A3 (LAB REPORT 2401014): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Sample Receiving Documents

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401010

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	07/16/2024 20:00	Received in Lab:	06/19/2024 15:50
Received By:	Danny Le	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401010-01 PIA-02880-WC-A1A2 [Soil] Sampled 06/19/2024 11:39			
6010_TCLP Ver: Pb	07/16/2024 20:00	12/16/2024 00:00	
6010_STLC Ver: Pb	07/16/2024 20:00	12/16/2024 00:00	
6010_Exide_6 Metals Ver: NONE	07/16/2024 20:00	12/16/2024 00:00	1
2401010-02 PIA-02880-WC-A1A2A3 [Soil] Sampled 06/19/2024 11:40			
6010_Exide_6 Metals Ver: NONE	07/16/2024 20:00	12/16/2024 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401010

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
PIA-02880-WC-A1A2	2401010-01
PIA-02880-WC-A1A2A3	2401010-02

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-01 | Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:07

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	1.6	0.77	2.0	1	J
7440-38-2	Arsenic	3.7	0.71	2.0	1	
7440-43-9	Cadmium	2.4	0.06	1.0	1	
7440-50-8	Copper	36	0.22	1.0	1	
7439-92-1	Lead	100	0.18	1.0	1	
7440-66-6	Zinc	290	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-02 | Laboratory ID: PIA-02880-WC-A1A2A3

Sampled: 06/19/24 11:40 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:10

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	1.9	0.77	2.0	1	J
7440-38-2	Arsenic	3.4	0.71	2.0	1	
7440-43-9	Cadmium	2.3	0.06	1.0	1	
7440-50-8	Copper	32	0.22	1.0	1	
7439-92-1	Lead	86	0.18	1.0	1	
7440-66-6	Zinc	180	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401010
Client:	Parsons	Project:	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA
Batch:	B4F0783 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
PIA-02880-WC-A1A2	2401010-01	06/20/24 13:00	1.00	50
PIA-02880-WC-A1A2A3	2401010-02	06/20/24 13:00	1.00	50
Blank	B4F0783-BLK1	06/18/24 16:36	1.00	50
LCS	B4F0783-BS1	06/18/24 16:36	1.00	50
Matrix Spike	B4F0783-MS1	06/19/24 08:40	1.00	50
Matrix Spike Dup	B4F0783-MSD1	06/19/24 08:40	1.00	50
Dilution Check	B4F0783-SRL1	06/18/24 16:36	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4F0783

Extraction Method: EPA 3050B_S

Batch Start Date: 06/20/2024 13:20 **Batch Analyst:** DL2

Analysis Method: EPA 6010B

Batch End Date: 06/20/2024 15:40

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401010-01	PIA-02880-WC-A1A 2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401010-02	PIA-02880-WC-A1A 2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4F0783-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4F0783-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4F0783-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2400989-01	5 mL	1.5 mL	5 mL	5 mL	
B4F0783-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2400989-01	5 mL	1.5 mL	5 mL	5 mL	
B4F0783-SRL1	Dilution Check	1.00	50.00			2400989-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0526	Concentrated Nitric Acid	1123090
A4D0521	1:1 Nitric Acid	NA
A4D0549	Concentrated Hydrochloric Acid	4123090
A4A0581	Hydrogen Peroxide	K54376509

Equipment Used

Type	Equipment ID	LotNum
Dispenser ID	MPDISP02	347844
Thermometer ID	MPTHERM 09	935128
Pipette	MPP01	22E77439
Digestion Unit	DB01	4507CEC2139
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP01	04K58398
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4F0783

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4F0783-BLK1	Antimony	0.167185	0.77	2.0	06/20/24 18:42	U	EPA 6010B
	Arsenic	0.496991	0.71	2.0	06/20/24 18:42	U	EPA 6010B
	Cadmium	-0.318907	0.06	1.0	06/20/24 18:42	U	EPA 6010B
	Copper	-0.038992	0.22	1.0	06/20/24 18:42	U	EPA 6010B
	Lead	-0.851144	0.18	1.0	06/20/24 18:42	U	EPA 6010B
	Zinc	-0.852354	0.30	2.0	06/20/24 18:42	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Laboratory ID: B4F0783-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	26.5999	25.0000	106		80 - 120
Arsenic	24.4905	25.0000	98.0		80 - 120
Cadmium	24.8087	25.0000	99.2		80 - 120
Copper	22.9627	25.0000	91.9		80 - 120
Lead	23.8317	25.0000	95.3		80 - 120
Zinc	23.2993	25.0000	93.2		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	0.811822	20.6778	25.0000	79.5		75 - 125
Arsenic	2.84605	26.0665	25.0000	92.9		75 - 125
Cadmium	1.91348	25.2505	25.0000	93.3		75 - 125
Copper	27.9454	48.4458	25.0000	82.0		75 - 125
Lead	53.8438	69.4350	25.0000	62.4	M2	75 - 125
Zinc	114.051	123.170	25.0000	36.5	M2	75 - 125

Laboratory ID: B4F0783-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	20.3450	78.1	1.62	25.0000		20	75 - 125
Arsenic	26.8704	96.1	3.04	25.0000		20	75 - 125
Cadmium	28.1038	105	10.7	25.0000		20	75 - 125
Copper	48.2442	81.2	0.417	25.0000		20	75 - 125
Lead	72.4694	74.5	4.28	25.0000	M2	20	75 - 125
Zinc	128.352	57.2	4.12	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4F0783

Concentration Units: mg/L

Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4F0783-PS1						
Antimony	0.016236	0.490639	0.500000	94.9		75 - 125
Arsenic	0.056921	0.535991	0.500000	95.8		75 - 125
Cadmium	0.038270	0.545032	0.500000	101		75 - 125
Copper	0.558907	1.07497	0.500000	103		75 - 125
Lead	1.07688	1.53651	0.500000	91.9		75 - 125
Zinc	2.28103	2.70293	0.500000	84.4		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4F0617

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4F0617-IBL1	240620-02 RR-001	06/20/24 10:16
Cal Standard	S4F0617-CAL1	240620-02 RR-002	06/20/24 10:19
Cal Standard	S4F0617-CAL2	240620-02 RR-003	06/20/24 10:22
Cal Standard	S4F0617-CAL3	240620-02 RR-004	06/20/24 10:25
Cal Standard	S4F0617-CAL4	240620-02 RR-005	06/20/24 10:28
Cal Standard	S4F0617-CAL5	240620-02 RR-006	06/20/24 10:31
Cal Standard	S4F0617-CAL6	240620-02 RR-007	06/20/24 10:33
Cal Standard	S4F0617-CAL7	240620-02 RR-008	06/20/24 10:36
Initial Cal Check	S4F0617-ICV1	240620-02 RR-009	06/20/24 10:50
Initial Cal Blank	S4F0617-ICB1	240620-02 RR-010	06/20/24 10:52
Interference Check A	S4F0617-IFA1	240620-02 RR-012	06/20/24 11:01
Interference Check B	S4F0617-IFB1	240620-02 RR-013	06/20/24 11:03
Calibration Check	S4F0617-CCV1	240620-02 RR-014	06/20/24 13:39
Calibration Blank	S4F0617-CCB1	240620-02 RR-015	06/20/24 13:54
Calibration Check	S4F0617-CCV5	240620-02 RR-070	06/20/24 18:34
Calibration Blank	S4F0617-CCB5	240620-02 RR-071	06/20/24 18:37
Blank	B4F0783-BLK1	240620-02 RR-072	06/20/24 18:42
LCS	B4F0783-BS1	240620-02 RR-074	06/20/24 18:49
Matrix Spike	B4F0783-MS1	240620-02 RR-075	06/20/24 18:51
Matrix Spike Dup	B4F0783-MSD1	240620-02 RR-076	06/20/24 18:54
Post Spike	B4F0783-PS1	240620-02 RR-077	06/20/24 18:56
Dilution Check	B4F0783-SRL1	240620-02 RR-078	06/20/24 18:59
Calibration Check	S4F0617-CCV6	240620-02 RR-083	06/20/24 19:12
Calibration Blank	S4F0617-CCB6	240620-02 RR-084	06/20/24 19:15
Calibration Check	S4F0617-CCV7	240620-02 RR-095	06/20/24 19:47
Calibration Blank	S4F0617-CCB7	240620-02 RR-096	06/20/24 19:50
PIA-02880-WC-A1A2	2401010-01	240620-02 RR-097	06/20/24 20:07
PIA-02880-WC-A1A2A3	2401010-02	240620-02 RR-098	06/20/24 20:10
Calibration Check	S4F0617-CCV8	240620-02 RR-105	06/20/24 20:34
Calibration Blank	S4F0617-CCB8	240620-02 RR-106	06/20/24 20:37

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16
ICV Source: A4F0515
Concentration Units: mg/L
CCV Source: A4F0512

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4F0617-ICV1	Antimony	0.500000	0.490331	98.1	06/20/24 10:50	+/- 10.00%
	Arsenic	0.500000	0.492809	98.6	06/20/24 10:50	+/- 10.00%
	Cadmium	0.500000	0.495648	99.1	06/20/24 10:50	+/- 10.00%
	Copper	0.500000	0.485383	97.1	06/20/24 10:50	+/- 10.00%
	Lead	0.500000	0.505324	101	06/20/24 10:50	+/- 10.00%
	Zinc	0.500000	0.542147	108	06/20/24 10:50	+/- 10.00%
S4F0617-CCV1	Antimony	2.00000	2.05712	103	06/20/24 13:39	+/- 10.00%
	Arsenic	2.00000	2.16896	108	06/20/24 13:39	+/- 10.00%
	Cadmium	2.00000	2.17608	109	06/20/24 13:39	+/- 10.00%
	Copper	2.00000	1.98824	99.4	06/20/24 13:39	+/- 10.00%
	Lead	2.00000	2.05350	103	06/20/24 13:39	+/- 10.00%
	Zinc	2.00000	2.00016	100	06/20/24 13:39	+/- 10.00%
S4F0617-CCV5	Antimony	2.00000	2.03839	102	06/20/24 18:34	+/- 10.00%
	Arsenic	2.00000	2.14489	107	06/20/24 18:34	+/- 10.00%
	Cadmium	2.00000	2.11860	106	06/20/24 18:34	+/- 10.00%
	Copper	2.00000	1.98866	99.4	06/20/24 18:34	+/- 10.00%
	Lead	2.00000	2.03551	102	06/20/24 18:34	+/- 10.00%
	Zinc	2.00000	1.86145	93.1	06/20/24 18:34	+/- 10.00%
S4F0617-CCV6	Antimony	2.00000	2.05100	103	06/20/24 19:12	+/- 10.00%
	Arsenic	2.00000	2.11467	106	06/20/24 19:12	+/- 10.00%
	Cadmium	2.00000	2.13037	107	06/20/24 19:12	+/- 10.00%
	Copper	2.00000	1.99161	99.6	06/20/24 19:12	+/- 10.00%
	Lead	2.00000	2.05746	103	06/20/24 19:12	+/- 10.00%
	Zinc	2.00000	1.89604	94.8	06/20/24 19:12	+/- 10.00%
S4F0617-CCV7	Antimony	2.00000	2.05144	103	06/20/24 19:47	+/- 10.00%
	Arsenic	2.00000	2.10498	105	06/20/24 19:47	+/- 10.00%
	Cadmium	2.00000	2.10485	105	06/20/24 19:47	+/- 10.00%
	Copper	2.00000	1.97966	99.0	06/20/24 19:47	+/- 10.00%
	Lead	2.00000	2.03599	102	06/20/24 19:47	+/- 10.00%
	Zinc	2.00000	1.96910	98.5	06/20/24 19:47	+/- 10.00%
S4F0617-CCV8	Antimony	2.00000	2.01985	101	06/20/24 20:34	+/- 10.00%
	Arsenic	2.00000	2.11105	106	06/20/24 20:34	+/- 10.00%
	Cadmium	2.00000	2.11761	106	06/20/24 20:34	+/- 10.00%
	Copper	2.00000	1.98110	99.1	06/20/24 20:34	+/- 10.00%
	Lead	2.00000	2.03690	102	06/20/24 20:34	+/- 10.00%
	Zinc	2.00000	2.09207	105	06/20/24 20:34	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4F0617

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4F0617-ICB1	Antimony	0.017532	0.02	0.04	06/20/24 10:52		EPA 6010B
	Arsenic	-0.005486	0.01	0.04	06/20/24 10:52	U	EPA 6010B
	Cadmium	7.50E-6	0.001	0.02	06/20/24 10:52		EPA 6010B
	Copper	-1.6621E-3	0.004	0.02	06/20/24 10:52	U	EPA 6010B
	Lead	0.001839	0.004	0.02	06/20/24 10:52		EPA 6010B
	Zinc	-0.020666	0.006	0.04	06/20/24 10:52	U	EPA 6010B
S4F0617-CCB1	Antimony	0.008988	0.02	0.04	06/20/24 13:54		EPA 6010B
	Arsenic	0.000995	0.01	0.04	06/20/24 13:54		EPA 6010B
	Cadmium	-0.005752	0.001	0.02	06/20/24 13:54	U	EPA 6010B
	Copper	-0.001784	0.004	0.02	06/20/24 13:54	U	EPA 6010B
	Lead	-0.012935	0.004	0.02	06/20/24 13:54	U	EPA 6010B
	Zinc	-0.019325	0.006	0.04	06/20/24 13:54	U	EPA 6010B
S4F0617-CCB5	Antimony	0.021991	0.02	0.04	06/20/24 18:37	3, B	EPA 6010B
	Arsenic	0.006398	0.01	0.04	06/20/24 18:37		EPA 6010B
	Cadmium	-0.006395	0.001	0.02	06/20/24 18:37	U	EPA 6010B
	Copper	-0.000317	0.004	0.02	06/20/24 18:37	U	EPA 6010B
	Lead	-0.016658	0.004	0.02	06/20/24 18:37	U	EPA 6010B
	Zinc	-0.018474	0.006	0.04	06/20/24 18:37	U	EPA 6010B
S4F0617-CCB6	Antimony	0.015013	0.02	0.04	06/20/24 19:15		EPA 6010B
	Arsenic	0.004115	0.01	0.04	06/20/24 19:15		EPA 6010B
	Cadmium	-0.005966	0.001	0.02	06/20/24 19:15	U	EPA 6010B
	Copper	0.000511	0.004	0.02	06/20/24 19:15		EPA 6010B
	Lead	-0.013909	0.004	0.02	06/20/24 19:15	U	EPA 6010B
	Zinc	-0.017759	0.006	0.04	06/20/24 19:15	U	EPA 6010B
S4F0617-CCB7	Antimony	0.013289	0.02	0.04	06/20/24 19:50		EPA 6010B
	Arsenic	0.005541	0.01	0.04	06/20/24 19:50		EPA 6010B
	Cadmium	-0.005884	0.001	0.02	06/20/24 19:50	U	EPA 6010B
	Copper	0.000976	0.004	0.02	06/20/24 19:50		EPA 6010B
	Lead	-0.010905	0.004	0.02	06/20/24 19:50	U	EPA 6010B
	Zinc	-0.017195	0.006	0.04	06/20/24 19:50	U	EPA 6010B
S4F0617-CCB8	Antimony	0.023006	0.02	0.04	06/20/24 20:37	3, B	EPA 6010B
	Arsenic	-0.000107	0.01	0.04	06/20/24 20:37	U	EPA 6010B
	Cadmium	-0.004712	0.001	0.02	06/20/24 20:37	U	EPA 6010B
	Copper	0.000647	0.004	0.02	06/20/24 20:37		EPA 6010B
	Lead	-0.013849	0.004	0.02	06/20/24 20:37	U	EPA 6010B
	Zinc	-0.016687	0.006	0.04	06/20/24 20:37	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4F0617-IFA1	Antimony		0.00568	mg/L		<0.04	6/20/24 11:01
	Arsenic		-0.00974	mg/L		<0.04	6/20/24 11:01
	Cadmium		0.01035	mg/L		<0.02	6/20/24 11:01
	Copper		-0.00941	mg/L		<0.02	6/20/24 11:01
	Lead		-0.04499	mg/L		<0.02	6/20/24 11:01
	Zinc		-0.02524	mg/L		<0.04	6/20/24 11:01

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4F0617-IFB1	Antimony	0.500000	0.46311	mg/L	7	±20.00 %	6/20/24 11:03
	Arsenic	0.500000	0.50991	mg/L	-2	±20.00 %	6/20/24 11:03
	Cadmium	0.500000	0.49735	mg/L	1	±20.00 %	6/20/24 11:03
	Copper	0.500000	0.51038	mg/L	-2	±20.00 %	6/20/24 11:03
	Lead	0.500000	0.43668	mg/L	13	±20.00 %	6/20/24 11:03
	Zinc	0.500000	0.41607	mg/L	17	±20.00 %	6/20/24 11:03

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Sample Data

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil Laboratory ID: 2401010-01 Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39 Prepared: 07/19/24 13:31 Analyzed: 07/23/24 13:54

Batch: B4G0834 Sequence: S4G0613 Instrument: ICP-16

Preparation: STLC_S Extraction Method: WET/EPA 6010B Concentration Units: mg/L

Leach Batch: B4G0719 Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	3.1	0.020	0.10	5	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401010
Client:	Parsons	Project:	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA
Batch:	B4G0834 Batch Matrix: Soil	Preparation:	STLC_S Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
PIA-02880-WC-A1A2	2401010-01	07/19/24 13:31	25.00	25
Blank	B4G0834-BLK1	07/19/24 13:31	25.00	25
LCS	B4G0834-BS1	07/19/24 13:31	25.00	25
Matrix Spike	B4G0834-MS1	07/19/24 13:31	25.00	25
Matrix Spike Dup	B4G0834-MSD1	07/19/24 13:31	25.00	25
Dilution Check	B4G0834-SRL1	07/19/24 13:31	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0834

Extraction Method: STLC_S Extraction

Batch Start Date:

Batch Analyst: CH

Analysis Method: WET/EPA 6010B

Batch End Date:

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401010-01	PIA-02880-WC-A1A 2	25.00	25.00								
B4G0834-BLK1	Blank	25.00	25.00								
B4G0834-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250						
B4G0834-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2400766-01					
B4G0834-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2400766-01					
B4G0834-SRL1	Dilution Check	25.00	25.00			2400766-01					

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4G0834

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0834-BLK1	Lead	0.025967	0.020	0.10	07/22/24 21:49	B3, J	WET/EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0834
Concentration Units: mg/L

Laboratory ID: B4G0834-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.499717	0.500000	99.9		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0834

Concentration Units: mg/L

Source Sample Name: **2400766-01**

Laboratory ID: B4G0834-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	13.8052	15.5386	0.500000	347	M2	75 - 125

Laboratory ID: B4G0834-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	14.3504	109	7.95	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0834

Concentration Units: mg/L

Source Sample Name: **2400766-01**

Laboratory ID: B4G0834-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0834-PS1						
Lead	13.8052	14.8364	0.500000	206	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0610

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0610-IBL1	240722-01 RR2-001	07/22/24 12:15
Cal Standard	S4G0610-CAL1	240722-01 RR2-002	07/22/24 12:18
Cal Standard	S4G0610-CAL2	240722-01 RR2-003	07/22/24 12:21
Cal Standard	S4G0610-CAL3	240722-01 RR2-004	07/22/24 12:23
Cal Standard	S4G0610-CAL4	240722-01 RR2-005	07/22/24 12:25
Cal Standard	S4G0610-CAL5	240722-01 RR2-006	07/22/24 12:28
Cal Standard	S4G0610-CAL6	240722-01 RR2-007	07/22/24 12:30
Cal Standard	S4G0610-CAL7	240722-01 RR2-008	07/22/24 12:32
Initial Cal Check	S4G0610-ICV1	240722-01 RR2-009	07/22/24 13:14
Initial Cal Blank	S4G0610-ICB1	240722-01 RR2-010	07/22/24 13:17
Interference Check A	S4G0610-IFA1	240722-01 RR2-012	07/22/24 13:56
Interference Check B	S4G0610-IFB1	240722-01 RR2-013	07/22/24 13:58
Calibration Check	S4G0610-CCV1	240722-01 RR2-038	07/22/24 15:07
Calibration Blank	S4G0610-CCB1	240722-01 RR2-039	07/22/24 15:09
Calibration Check	S4G0610-CCVD	240722-01 RR2-179	07/22/24 21:24
Calibration Blank	S4G0610-CCBD	240722-01 RR2-180	07/22/24 21:26
Blank	B4G0834-BLK1	240722-01 RR2-189	07/22/24 21:49
LCS	B4G0834-BS1	240722-01 RR2-190	07/22/24 21:52
Calibration Check	S4G0610-CCVE	240722-01 RR2-191	07/22/24 21:54
Calibration Blank	S4G0610-CCBE	240722-01 RR2-192	07/22/24 21:56

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0613

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0613-IBL1	240723-01 RR-001	07/23/24 11:29
Cal Standard	S4G0613-CAL1	240723-01 RR-002	07/23/24 11:31
Cal Standard	S4G0613-CAL2	240723-01 RR-003	07/23/24 11:34
Cal Standard	S4G0613-CAL3	240723-01 RR-004	07/23/24 11:36
Cal Standard	S4G0613-CAL4	240723-01 RR-005	07/23/24 11:38
Cal Standard	S4G0613-CAL5	240723-01 RR-006	07/23/24 11:40
Cal Standard	S4G0613-CAL6	240723-01 RR-007	07/23/24 11:42
Cal Standard	S4G0613-CAL7	240723-01 RR-008	07/23/24 11:45
Initial Cal Check	S4G0613-ICV1	240723-01 RR-009	07/23/24 11:54
Initial Cal Blank	S4G0613-ICB1	240723-01 RR-010	07/23/24 11:56
Interference Check A	S4G0613-IFA1	240723-01 RR-012	07/23/24 12:02
Interference Check B	S4G0613-IFB1	240723-01 RR-013	07/23/24 12:04
Calibration Check	S4G0613-CCV1	240723-01 RR-014	07/23/24 12:45
Calibration Blank	S4G0613-CCB1	240723-01 RR-015	07/23/24 12:50
Matrix Spike	B4G0834-MS1	240723-01 RR-016	07/23/24 13:08
Matrix Spike Dup	B4G0834-MSD1	240723-01 RR-017	07/23/24 13:10
Post Spike	B4G0834-PS1	240723-01 RR-018	07/23/24 13:13
Dilution Check	B4G0834-SRL1	240723-01 RR-019	07/23/24 13:15
Calibration Check	S4G0613-CCV2	240723-01 RR-024	07/23/24 13:31
Calibration Blank	S4G0613-CCB2	240723-01 RR-025	07/23/24 13:33
PIA-02880-WC-A1A2	2401010-01	240723-01 RR-034	07/23/24 13:54
Calibration Check	S4G0613-CCV3	240723-01 RR-036	07/23/24 13:59
Calibration Blank	S4G0613-CCB3	240723-01 RR-037	07/23/24 14:01

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0610
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0610-ICV1	Lead	0.500000	0.537951	108	07/22/24 13:14	+/- 10.00%
S4G0610-CCV1	Lead	2.00000	1.91829	95.9	07/22/24 15:07	+/- 10.00%
S4G0610-CCVD	Lead	2.00000	1.83265	91.6	07/22/24 21:24	+/- 10.00%
S4G0610-CCVE	Lead	2.00000	1.79942	90.0	07/22/24 21:54	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0613
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0613-ICV1	Lead	0.500000	0.530972	106	07/23/24 11:54	+/- 10.00%
S4G0613-CCV1	Lead	2.00000	1.97165	98.6	07/23/24 12:45	+/- 10.00%
S4G0613-CCV2	Lead	2.00000	1.96185	98.1	07/23/24 13:31	+/- 10.00%
S4G0613-CCV3	Lead	2.00000	1.95273	97.6	07/23/24 13:59	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0610

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0610-ICB1	Lead	0.007345	0.0041	0.020	07/22/24 13:17		WET/EPA 6010B
S4G0610-CCB1	Lead	0.002579	0.0041	0.020	07/22/24 15:09		WET/EPA 6010B
S4G0610-CCBD	Lead	0.005872	0.0041	0.020	07/22/24 21:26		WET/EPA 6010B
S4G0610-CCBE	Lead	0.006445	0.0041	0.020	07/22/24 21:56		WET/EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0613

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0613-ICB1	Lead	0.012560	0.0041	0.020	07/23/24 11:56		WET/EPA 6010B
S4G0613-CCB1	Lead	0.006066	0.0041	0.020	07/23/24 12:50		WET/EPA 6010B
S4G0613-CCB2	Lead	1.7888E-3	0.0041	0.020	07/23/24 13:33		WET/EPA 6010B
S4G0613-CCB3	Lead	0.000597	0.0041	0.020	07/23/24 14:01		WET/EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0610
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0610-IFA1	Lead		-0.05233	mg/L		<0.02	7/22/24 13:56

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0610
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0610-IFB1	Lead	0.500000	0.46669	mg/L	7	±20.00 %	7/22/24 13:58

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0613
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0613-IFA1	Lead		-0.03475	mg/L		<0.02	7/23/24 12:02

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0613
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0613-IFB1	Lead	0.500000	0.45881	mg/L	8	±20.00 %	7/23/24 12:04

METHOD DETECTION AND REPORTING LIMITS
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-01 | Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39 | Prepared: 07/19/24 15:18 | Analyzed: 07/23/24 15:04

Batch: B4G0836 | Sequence: S4G0614 | Instrument: ICP-16

Preparation: EPA 3010A_TCLP_S | Method: EPA 6010B | Concentration Units: mg/L

Leach Batch: B4G0718 | Leach Method: EPA 1311_S

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	ND	0.020	0.10	5	U

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401010
Client:	Parsons	Project:	PIA-02880 - 1142 S Alma Ave., Los Angeles, CA
Batch:	B4G0836 Batch Matrix: Soil	Preparation:	EPA 3010A_TCLP_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
PIA-02880-WC-A1A2	2401010-01	07/19/24 15:18	25.00	25
Blank	B4G0836-BLK1	07/19/24 15:18	25.00	25
LCS	B4G0836-BS1	07/19/24 15:18	25.00	25
Matrix Spike	B4G0836-MS1	07/19/24 15:18	25.00	25
Matrix Spike Dup	B4G0836-MSD1	07/19/24 15:18	25.00	25
Dilution Check	B4G0836-SRL1	07/19/24 15:18	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0836

Extraction Method: EPA 3010A_TCLP_S

Batch Start Date: 07/19/2024 16:00 **Batch Analyst:** CH

Analysis Method: EPA 6010B

Batch End Date: 07/19/2024 18:04

Lab Sample ID	Client Sample ID	Initial (mL)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401010-01	PIA-02880-WC-A1A 2	25.00	25.00							1.5 mL	2.5 mL
B4G0836-BLK1	Blank	25.00	25.00							1.5 mL	2.5 mL
B4G0836-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250					1.5 mL	2.5 mL
B4G0836-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2401029-01				1.5 mL	2.5 mL
B4G0836-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2401029-01				1.5 mL	2.5 mL
B4G0836-SRL1	Dilution Check	25.00	25.00			2401029-01				1.5 mL	2.5 mL

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4G0398	Concentrated Nitric Acid	240238
A4F0570	1:1 Hydrochloric Acid	NA

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4G0836

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0836-BLK1	Lead	-0.006912	0.020	0.10	07/23/24 14:18	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0836

Concentration Units: mg/L

Laboratory ID: B4G0836-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.463522	0.500000	92.7		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0836
Concentration Units: mg/L
Source Sample Name: **2401029-01**

Laboratory ID: B4G0836-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	ND	0.467979	0.500000	93.6		75 - 125

Laboratory ID: B4G0836-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	0.443564	88.7	5.36	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0836

Concentration Units: mg/L

Source Sample Name: **2401029-01**

Laboratory ID: B4G0836-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0836-PS1						
Lead	0.016520	0.512808	0.500000	99.3		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0614

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0614-IBL1	240723-01 RR-001	07/23/24 11:29
Cal Standard	S4G0614-CAL1	240723-01 RR-002	07/23/24 11:31
Cal Standard	S4G0614-CAL2	240723-01 RR-003	07/23/24 11:34
Cal Standard	S4G0614-CAL3	240723-01 RR-004	07/23/24 11:36
Cal Standard	S4G0614-CAL4	240723-01 RR-005	07/23/24 11:38
Cal Standard	S4G0614-CAL5	240723-01 RR-006	07/23/24 11:40
Cal Standard	S4G0614-CAL6	240723-01 RR-007	07/23/24 11:42
Cal Standard	S4G0614-CAL7	240723-01 RR-008	07/23/24 11:45
Initial Cal Check	S4G0614-ICV1	240723-01 RR-009	07/23/24 11:54
Initial Cal Blank	S4G0614-ICB1	240723-01 RR-010	07/23/24 11:56
Interference Check A	S4G0614-IFA1	240723-01 RR-012	07/23/24 12:02
Interference Check B	S4G0614-IFB1	240723-01 RR-013	07/23/24 12:04
Calibration Check	S4G0614-CCV1	240723-01 RR-036	07/23/24 13:59
Calibration Blank	S4G0614-CCB1	240723-01 RR-037	07/23/24 14:01
Blank	B4G0836-BLK1	240723-01 RR-044	07/23/24 14:18
LCS	B4G0836-BS1	240723-01 RR-045	07/23/24 14:20
Calibration Check	S4G0614-CCV2	240723-01 RR-048	07/23/24 14:27
Calibration Blank	S4G0614-CCB2	240723-01 RR-049	07/23/24 14:29
Dilution Check	B4G0836-SRL1	240723-01 RR-051	07/23/24 14:34
Calibration Check	S4G0614-CCV3	240723-01 RR-060	07/23/24 14:55
Calibration Blank	S4G0614-CCB3	240723-01 RR-061	07/23/24 14:57
PIA-02880-WC-A1A2	2401010-01	240723-01 RR-064	07/23/24 15:04
Calibration Check	S4G0614-CCV4	240723-01 RR-072	07/23/24 15:23
Calibration Blank	S4G0614-CCB4	240723-01 RR-073	07/23/24 15:25

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0616

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0616-IBL1	240723-01 RR-001	07/23/24 11:29
Cal Standard	S4G0616-CAL1	240723-01 RR-002	07/23/24 11:31
Cal Standard	S4G0616-CAL2	240723-01 RR-003	07/23/24 11:34
Cal Standard	S4G0616-CAL3	240723-01 RR-004	07/23/24 11:36
Cal Standard	S4G0616-CAL4	240723-01 RR-005	07/23/24 11:38
Cal Standard	S4G0616-CAL5	240723-01 RR-006	07/23/24 11:40
Cal Standard	S4G0616-CAL6	240723-01 RR-007	07/23/24 11:42
Cal Standard	S4G0616-CAL7	240723-01 RR-008	07/23/24 11:45
Initial Cal Check	S4G0616-ICV1	240723-01 RR-009	07/23/24 11:54
Initial Cal Blank	S4G0616-ICB1	240723-01 RR-010	07/23/24 11:56
Interference Check A	S4G0616-IFA1	240723-01 RR-012	07/23/24 12:02
Interference Check B	S4G0616-IFB1	240723-01 RR-013	07/23/24 12:04
Calibration Check	S4G0616-CCV1	240723-01 RR-037	07/23/24 16:11
Calibration Blank	S4G0616-CCB1	240723-01 RR-038	07/23/24 16:13
Matrix Spike	B4G0836-MS1	240723-01 RR-046	07/23/24 16:40
Matrix Spike Dup	B4G0836-MSD1	240723-01 RR-047	07/23/24 16:43
Post Spike	B4G0836-PS1	240723-01 RR-048	07/23/24 16:46
Calibration Check	S4G0616-CCV2	240723-01 RR-049	07/23/24 16:49
Calibration Blank	S4G0616-CCB2	240723-01 RR-050	07/23/24 16:51

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0614
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0614-ICV1	Lead	0.500000	0.530972	106	07/23/24 11:54	+/- 10.00%
S4G0614-CCV1	Lead	2.00000	1.95273	97.6	07/23/24 13:59	+/- 10.00%
S4G0614-CCV2	Lead	2.00000	1.93806	96.9	07/23/24 14:27	+/- 10.00%
S4G0614-CCV3	Lead	2.00000	1.96609	98.3	07/23/24 14:55	+/- 10.00%
S4G0614-CCV4	Lead	2.00000	1.92020	96.0	07/23/24 15:23	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0616
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0616-ICV1	Lead	0.500000	0.530972	106	07/23/24 11:54	+/- 10.00%
S4G0616-CCV1	Lead	2.00000	1.91400	95.7	07/23/24 16:11	+/- 10.00%
S4G0616-CCV2	Lead	2.00000	1.92620	96.3	07/23/24 16:49	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0614

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0614-ICB1	Lead	0.012560	0.0041	0.020	07/23/24 11:56		EPA 6010B
S4G0614-CCB1	Lead	0.000597	0.0041	0.020	07/23/24 14:01		EPA 6010B
S4G0614-CCB2	Lead	0.000919	0.0041	0.020	07/23/24 14:29		EPA 6010B
S4G0614-CCB3	Lead	0.004003	0.0041	0.020	07/23/24 14:57		EPA 6010B
S4G0614-CCB4	Lead	0.000268	0.0041	0.020	07/23/24 15:25		EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0616

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0616-ICB1	Lead	0.012560	0.0041	0.020	07/23/24 11:56		EPA 6010B
S4G0616-CCB1	Lead	-0.002628	0.0041	0.020	07/23/24 16:13	U	EPA 6010B
S4G0616-CCB2	Lead	-0.000840	0.0041	0.020	07/23/24 16:51	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0614
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0614-IFA1	Lead		-0.03475	mg/L		<0.02	7/23/24 12:02

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0614
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0614-IFB1	Lead	0.500000	0.45881	mg/L	8	±20.00 %	7/23/24 12:04

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0616
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0616-IFA1	Lead		-0.03475	mg/L		<0.02	7/23/24 12:02

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0616
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0616-IFB1	Lead	0.500000	0.45881	mg/L	8	±20.00 %	7/23/24 12:04

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Leachate Preparation Log

Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructia n: Complete oll shoded areas .

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
☐ Client ☐ ATL	Condition	Y	N	Condition	Y	N
☐ FedEx ☐ OnTrac	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ GSO	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ Other:	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State:	Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential		Quote #:	
Site Address: 1142 S Alma Ave, Los Angeles 90023		Site ID: PIA-02880	
Project No.: 684735		PO #:	
Sampler: Joshua Cottingham			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA, 3=Liter; 4=Pint; 5=Jar; 6=Bottle; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 =4C; 5=NaOH; 6=NaOH, 7=NaAsO2	Remarks
1	1	PIA-02880-WC-A1A2	PIA-02880-WC	6/19/2024	1139	x	x	x		1	5	1		
2	2	PIA-02880-WC-A1A2A3	PIA-02880-WC	6/19/2024	1140	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Josh Cottingham	6-19-24	1442		6/19/24	1442
	6/19/24	1550	Dannyle	6/19/24	1550

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Tuesday, July 9, 2024 9:20 AM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1342-WC-A1A2 (LAB REPORT 2401012): STLC and TCLP for lead
2. D1342-WC-A1A2A3 (LAB REPORT 2401012): STLC and TCLP for lead
3. PIA-02880-WC-A1A2 (LAB REPORT 2401010): STLC and TCLP for lead
4. RP1985-WC-A1A2 (LAB REPORT 2401014): STLC and TCLP for lead
5. RP1985-WC-A1A2A3 (LAB REPORT 2401014): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	Concentration	Units
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0508
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0508 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0509
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0509 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0510
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0510 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0511
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0511 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0512
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0512 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0513
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0513 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0514
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4F0514 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0515
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 06/12/2024
Date Expires: 06/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0515 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0544
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 06/17/2024
Date Expires: 07/01/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4F0544 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0554
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 06/19/2024
Date Expires: 07/03/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4F0554 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4F0555
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 06/19/2024
Date Expires: 07/03/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4F0555 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0554	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0417
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0417 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0418
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0418 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0419
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0419 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0420
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0420 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0421
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0421 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0422
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0422 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0423
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0423 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0424
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0424 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
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July 16, 2024

AETL Job No: BFG0034
Received Date: 07/03/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: A0355
3506 E 8th St.
Los Angeles, CA 90023

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

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Parsons	AETL Job Number:	BFG0034	Site:	A0355
	Project Number:	684735		3506 E 8th St.
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01

Data Validatable Report

Work Order Case Narrative

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
BFG0034-01	A0355-WC-A1A2	Soil	07/03/2024 09:00	07/03/2024
BFG0034-02	A0355-WC-A1A2A3	Soil	07/03/2024 09:05	07/03/2024

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Parsons	AETL Job Number:	BFG0034	Site:	A0355
	Project Number:	684735		3506 E 8th St.
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01

Containers Received

Lab ID	Container Type	Count	Preservation Check
BFG0034-01			
	Glass Jar - 8 oz	1	
BFG0034-02			
	Glass Jar - 8 oz	1	

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Parsons		AETL Job Number:	BFG0034	Site:	A0355
		Project Number:	684735		3506 E 8th St.
100 West Walnut Street		Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01

Analytical Results

Client ID: **A0355-WC-A1A2**

Lab ID: **BFG0034-01 (Soil)** **Sampled:** **07/03/24 9:00**

Metals Total

Method: EPA 6010B

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Antimony	**1.15**	J	1	0.779	1.94	mg/kg	07/03/24 16:31	07/11/24 12:12	B4G0049	LE	3050B
Arsenic	**1.80**	J	1	1.63	3.88	mg/kg	07/03/24 16:31	07/11/24 12:12	B4G0049	LE	3050B
Cadmium	ND		1	0.324	1.94	mg/kg	07/03/24 16:31	07/11/24 12:12	B4G0049	LE	3050B
Copper	**36.4**		1	2.15	3.88	mg/kg	07/03/24 16:31	07/11/24 12:12	B4G0049	LE	3050B
Lead	**98.4**		1	0.298	1.94	mg/kg	07/03/24 16:31	07/11/24 12:12	B4G0049	LE	3050B
Zinc	**156**		1	1.50	3.88	mg/kg	07/03/24 16:31	07/11/24 12:12	B4G0049	LE	3050B

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A KYZER LABS COMPANY

Parsons		AETL Job Number:	BFG0034	Site:	A0355
		Project Number:	684735		3506 E 8th St.
100 West Walnut Street		Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01

Analytical Results

Client ID: **A0355-WC-A1A2A3**
Lab ID: **BFG0034-02 (Soil)** **Sampled:** **07/03/24 9:05**

Metals Total

Method: EPA 6010B

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Antimony	**2.58**		1	0.802	2.00	mg/kg	07/03/24 16:31	07/11/24 12:25	B4G0049	LE	3050B
Arsenic	ND		1	1.68	4.00	mg/kg	07/03/24 16:31	07/11/24 12:25	B4G0049	LE	3050B
Cadmium	ND		1	0.334	2.00	mg/kg	07/03/24 16:31	07/11/24 12:25	B4G0049	LE	3050B
Copper	**33.2**		1	2.21	4.00	mg/kg	07/03/24 16:31	07/11/24 12:25	B4G0049	LE	3050B
Lead	**84.9**		1	0.307	2.00	mg/kg	07/03/24 16:31	07/11/24 12:25	B4G0049	LE	3050B
Zinc	**146**		1	1.54	4.00	mg/kg	07/03/24 16:31	07/11/24 12:25	B4G0049	LE	3050B

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Parsons	AETL Job Number:	BFG0034	Site:	A0355	
	Project Number:	684735		3506 E 8th St.	
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01	

Quality Control

Metals Total

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B										
Batch: B4G0049 - 3050B										
Blank (B4G0049-BLK1)					Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:03					
Antimony	ND	1.96	0.786	mg/kg						
Arsenic	ND	3.92	1.65	mg/kg						
Cadmium	ND	1.96	0.327	mg/kg						
Copper	ND	3.92	2.17	mg/kg						
Lead	ND	1.96	0.301	mg/kg						
Zinc	ND	3.92	1.51	mg/kg						
LCS (B4G0049-BS1)					Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:06					
Antimony	86.8		0.802	mg/kg	100		86.8	80-120		
Arsenic	83.4		1.68	mg/kg	100		83.4	80-120		
Cadmium	102		0.334	mg/kg	100		102	80-120		
Copper	102		2.21	mg/kg	100		102	80-120		
Lead	101		0.307	mg/kg	100		101	80-120		
Zinc	96.7		1.54	mg/kg	100		96.7	80-120		
LCS Dup (B4G0049-BSD1)					Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:09					
Antimony	88.1		0.802	mg/kg	100		88.1	80-120	1.53	15
Arsenic	86.2		1.68	mg/kg	100		86.2	80-120	3.28	15
Cadmium	102		0.334	mg/kg	100		102	80-120	0.551	15
Copper	103		2.21	mg/kg	100		103	80-120	0.977	15
Lead	100		0.307	mg/kg	100		100	80-120	0.322	15
Zinc	92.0		1.54	mg/kg	100		92.0	80-120	4.97	15
Duplicate (B4G0049-DUP1)		**Source: BFG0034-01**			Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:15					
Antimony	0.804 R, J		0.802	mg/kg		1.15			35.0	15
Arsenic	1.69 J		1.68	mg/kg		1.80			6.10	15
Cadmium	ND		0.334	mg/kg		ND				15
Copper	36.7		2.21	mg/kg		36.4			0.906	15
Lead	102		0.307	mg/kg		98.4			3.29	15
Zinc	165		1.54	mg/kg		156			5.73	15

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Parsons	AETL Job Number:	BFG0034	Site:	A0355	
	Project Number:	684735		3506 E 8th St.	
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01	

Quality Control
(Continued)

Metals Total (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B4G0049-MS1)	**Source: BFG0034-01**			Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:19						
Antimony	1.79 M, J		0.794	mg/kg	99.0	1.15	0.650	70-130		
Arsenic	1.89 M, J		1.66	mg/kg	99.0	1.80	0.0962	70-130		
Cadmium	ND M		0.331	mg/kg	99.0	ND		70-130		
Copper	54.8 M		2.19	mg/kg	99.0	36.4	18.7	70-130		
Lead	100 M		0.304	mg/kg	99.0	98.4	1.82	70-130		
Zinc	167 M		1.53	mg/kg	99.0	156	10.9	70-130		
Matrix Spike Dup (B4G0049-MSD1)	**Source: BFG0034-01**			Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:22						
Antimony	1.51 J, M, R		0.786	mg/kg	98.0	1.15	0.374	70-130	16.8	15
Arsenic	2.28 J, M, R		1.65	mg/kg	98.0	1.80	0.494	70-130	18.6	15
Cadmium	ND M		0.327	mg/kg	98.0	ND		70-130		15
Copper	40.2 M, R		2.17	mg/kg	98.0	36.4	3.93	70-130	30.8	15
Lead	100 M		0.301	mg/kg	98.0	98.4	1.85	70-130	0.0113	15
Zinc	172 M		1.51	mg/kg	98.0	156	16.0	70-130	2.93	15

Method: EPA 6010B

Batch: S4G0006 - B4E0532

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Instrument Blank (S4G0006-IBL1)				Prepared & Analyzed: 07/11/2024 09:44						
Antimony	0.00			mg/L	0.00					
Arsenic	0.00			mg/L	0.00					
Cadmium	0.00			mg/L	0.00					
Copper	0.00			mg/L	0.00					
Lead	0.00			mg/L	0.00					
Zinc	0.00			mg/L	0.00					
Interference Check A (S4G0006-IFA1)				Prepared & Analyzed: 07/11/2024 10:42						
Antimony	0.0258			mg/L	0.00			80-120		
Arsenic	0.00749			mg/L	0.00			80-120		
Cadmium	-0.0170			mg/L	0.00			80-120		
Copper	-0.00418			mg/L	0.00			80-120		
Lead	0.00137			mg/L	0.00			80-120		
Zinc	-0.00790			mg/L	0.00			80-120		

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Parsons	AETL Job Number:	BFG0034	Site:	A0355	
	Project Number:	684735		3506 E 8th St.	
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01	

Quality Control
(Continued)

Metals Total (Continued)

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Interference Check B (S4G0006-IFB1)					Prepared & Analyzed: 07/11/2024 10:46					
Antimony	0.516			mg/L	0.500		103	80-120		
Arsenic	0.482			mg/L	0.500		96.3	80-120		
Cadmium	0.504			mg/L	0.500		101	80-120		
Copper	0.519			mg/L	0.500		104	80-120		
Lead	0.497			mg/L	0.500		99.5	80-120		
Zinc	0.514			mg/L	0.500		103	80-120		

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Parsons	AETL Job Number:	BFG0034	Site:	A0355
	Project Number:	684735		3506 E 8th St.
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01

Qualifiers and Definitions

Item	Qualifiers
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
M	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. Laboratory Control Samples(LCS/LCSD) recovery were acceptable.
R	The RPD was outside of QC acceptance limits due to possible matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter

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Parsons		AETL Job Number:	BFG0034	Site:	A0355
		Project Number:	684735		3506 E 8th St.
100 West Walnut Street		Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	07/16/2024 12:01

ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

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WORK ORDER

BFG0034

Printed: 07/16/2024 12:01 pm

Project: **Exide Initial 200 Single Cleanup Unit (SCU)**
Project Number: **684735**
Project Manager: **Hailley Coleman**
PO Number:

Report To:

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

Invoice To:

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/03/2024 03:30 PM
Date Due: 07/11/2024 (5.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

Analysis	Comments
BFG0034-01 A0355-WC-A1A2 [Soil] Sampled 7/3/2024 9:00:00AM	
zzm_6010B_6 Metals	NONE
BFG0034-02 A0355-WC-A1A2A3 [Soil] Sampled 7/3/2024 9:05:00AM	
zzm_6010B_6 Metals	NONE

BFG0034 **Sample Receipt Log**

Default Cooler

Samples Received at: **26.3°C**

Are the COCs Correct	Yes	Received on Ice	No
Labels Legible	Yes		
COC/Labels Agree	Yes		
Sufficient Sample Volume	Yes		
Sample Labels intact	Yes		
Containers In Good Condition	Yes		
Samples Preserved Properly	Yes		
Sufficient Holding Time for all Tests	Yes		

AMERICAN ENVIRONMENTAL TESTING LABORATORY

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CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFC000344 Page 1 of 1

Company: Parsons	Project Manager: Pete Shair / Linda McGlochlin
Company Address: 100 W. Walnut St, Pasadena, CA 91124	Email: tom.blaney@parsons.com
Project Name: DTSC Exide Residential	**Project # 684735**
Site Property ID: A0355	**PO #**
Site Address: 3506 E 8th St, Los Angeles CA 90023	
Report To: tom.blaney@parsons.com Report & EDD To: carla.rodman@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	

BFC000344 ↓ 02

Location ID	Start Depth (in)	End Depth (in)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Purpose N/FD	Sample Matrix	Sample Type Comp/Grab	# of Cont.	Field Filtered (Y/N)		Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb)	Analysis Requested: Lead (6010B)	Comments
A0355-WC	0	12	A0355-WC-A1A2	7/3/24	0900	N	Soil	C	1	N		X	X	
A0355-WC	0	18	A0355-WC-A1A2A3	7/3/24	0905	N	Soil	C	1	N		X	X	

Requested Due Date/TAT: _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

Deliverable Requested: EQuIS DTSC_Cleanup EDD

Level III/IV PDF: Level III

Sampler(s) Name:	Company:	Relinquished By (signature):	Sample Receipt Comments:
Relinquished By (signature):		Printed Name: Pat A	Company:
Printed Name: Brenda B	Company:	Date/Time: 7-3-24 1530	
Date/Time: 7/3/24 1415		Received By (signature):	
Received By (signature):		Printed Name: Arthur Gregorian	Company: AETL
Printed Name: Pat A	Company:	Date/Time: 07-03-24 15:30	
Date/Time: 7-3-24 1415		Sample Tracking No:	Samples Intact : Yes ☐ No ☐
Shipment Method:			

Sample Type: C = Composite; G = Grab **Sample Purpose:** N = Normal; FD = Field Duplicate **Soil Description:** BY = Backyard; FY = Front yard; SY = Side yard

Table of Contents

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COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFG0034

Date Received: 07/03/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☐ Cooler (_____) ☑ Other (Specify): Box

Sample Container Temperature: 26.3 °C IR Gun S/N: 51941911MV

Type of sample containers: VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

How are samples preserved: ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✔			
2. Are Sample labels legible & indelible ink?	✔			
3. Do samples match the COC?	✔			
4. Are the required analyses clear?	✔			
5. Is there enough samples for required analysis?	✔			
6. Does cooler or samples have custody seal(s)?			✔	
7. Are sample containers intact and in good condition?	✔			
8. Are samples preserved?			✔	
9. Are samples preserved properly for the intended analysis?			✔	
10. Are the VOAs free of headspace? See footnote.			✔	
11. Are the jars free of headspace?			✔	
12. Are there any samples with short hold times?		✔		

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

METALS

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET
A0355-WC-A1A2

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFG0034-01
Sampled:	07/03/24 09:00		
% Solids:	0.00		

Analyte	Concentration (mg/kg)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Antimony	1.15	1.94	0.779	1	J	B4G0049	07/11/24 12:12	EPA 6010B
Arsenic	1.80	3.88	1.63	1	J	B4G0049	07/11/24 12:12	EPA 6010B
Cadmium	ND	1.94	0.324	1		B4G0049	07/11/24 12:12	EPA 6010B
Copper	36.4	3.88	2.15	1		B4G0049	07/11/24 12:12	EPA 6010B
Lead	98.4	1.94	0.298	1		B4G0049	07/11/24 12:12	EPA 6010B
Zinc	156	3.88	1.50	1		B4G0049	07/11/24 12:12	EPA 6010B

FORM I
ANALYSIS DATA SHEET

A0355-WC-A1A2A3

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFG0034-02
Sampled:	07/03/24 09:05		
% Solids:	0.00		

Analyte	Concentration (mg/kg)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Antimony	2.58	2.00	0.802	1		B4G0049	07/11/24 12:25	EPA 6010B
Arsenic	ND	4.00	1.68	1		B4G0049	07/11/24 12:25	EPA 6010B
Cadmium	ND	2.00	0.334	1		B4G0049	07/11/24 12:25	EPA 6010B
Copper	33.2	4.00	2.21	1		B4G0049	07/11/24 12:25	EPA 6010B
Lead	84.9	2.00	0.307	1		B4G0049	07/11/24 12:25	EPA 6010B
Zinc	146	4.00	1.54	1		B4G0049	07/11/24 12:25	EPA 6010B

PREPARATION BATCH SUMMARY

EPA 6010B

Laboratory:	AETL			Work Order:	BFG0034
Client:				Project:	684735
Batch:	B4G0049	Batch Matrix:	Soil	Preparation:	3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. ml
Blank	B4G0049-BLK1	07/03/24 16:31	1.02	50.00
LCS	B4G0049-BS1	07/03/24 16:31	1.00	50.00
LCS Dup	B4G0049-BSD1	07/03/24 16:31	1.00	50.00
A0355-WC-A1A2	B4G0049-DUP1	07/03/24 16:31	1.00	50.00
A0355-WC-A1A2	B4G0049-MS1	07/03/24 16:31	1.01	50.00
A0355-WC-A1A2	B4G0049-MSD1	07/03/24 16:31	1.02	50.00
A0355-WC-A1A2	BFG0034-01	07/03/24 16:31	1.03	50.00
A0355-WC-A1A2A3	BFG0034-02	07/03/24 16:31	1.00	50.00

PREPARATION BENCH SHEET

B4G0049

AETL

Printed: 7/15/2024 10:25:26AM

Matrix: Soil **Prepared using: METALS - 3050B** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4G0049-BLK1	QC	07/03/2024 16:31	1.02	50						
B4G0049-BS1	QC	07/03/2024 16:31	1	50	BE42111		50000			
B4G0049-BSD1	QC	07/03/2024 16:31	1	50	BE42111		50000			
B4G0049-DUP1	QC	07/03/2024 16:31	1	50		BFG0034-01				
B4G0049-MS1	QC	07/03/2024 16:31	1.01	50	BE42111	BFG0034-01	50000			
B4G0049-MSD1	QC	07/03/2024 16:31	1.02	50	BE42111	BFG0034-01	50000			
BFG0034-01	zzm_6010B_6 Metals	07/03/2024 16:31	1.03	50					Parsons	
BFG0034-02	zzm_6010B_6 Metals	07/03/2024 16:31	1	50					Parsons	
BFG0035-01	zzm_6010B_6 Metals	07/03/2024 16:31	1.03	50					Parsons	
BFG0035-02	zzm_6010B_6 Metals	07/03/2024 16:31	1.01	50					Parsons	
BFG0047-01	zzm_6010B_6 Metals	07/03/2024 16:31	1.02	50					Parsons	
BFG0047-02	zzm_6010B_6 Metals	07/03/2024 16:31	1.02	50					Parsons	

Pipette/Tip: 544461197/B107005
5Oml Tube: MP3971
HOTBLOCK: A
THERMOMETER: 935177
UNCOR TEMP: 94 C
COR TEMP: 95 C
DIGESTION STARTED: 08:30 hrs
TIME END: 10:30 hrs

iking Witnessed By — 7/3/24 Date

Preparation Reviewed By — 7/3/24 Date

Extracts Received By — 7/3/24 Date

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ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFG0034
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4G0049-BLK1	File ID:	07112024R.csv-027
Sampled:		Prepared:	07/03/24 16:31	Analyzed:	07/11/24 12:03
Solids:		Preparation:	3050B	Dilution:	1
Batch:	B4G0049	Sequence:	S4G0006	Calibration:	4G12001
Column:	1				

Instrument: OPTIMA8300

ANALYTE	CONC. (mg/kg)	MDL	RL	Q
Antimony	ND	0.786	1.96	
Arsenic	ND	1.65	3.92	
Cadmium	ND	0.327	1.96	
Copper	ND	2.17	3.92	
Lead	ND	0.301	1.96	
Zinc	ND	1.51	3.92	

LCS / LCS DUPLICATE RECOVERY

EPA 6010B

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Preparation:	3050B
Batch:	B4G0049	Laboratory ID:	B4G0049-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC.	QC LIMITS REC.
Antimony	100	86.8	86.8	80 - 120
Arsenic	100	83.4	83.4	80 - 120
Cadmium	100	102	102	80 - 120
Copper	100	102	102	80 - 120
Lead	100	101	101	80 - 120
Zinc	100	96.7	96.7	80 - 120

ANALYTE	SPIKE ADDED (mg/kg)	LCSD CONCENTRATION (mg/kg)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Antimony	100	88.1	88.1	1.53	15	80 - 120
Arsenic	100	86.2	86.2	3.28	15	80 - 120
Cadmium	100	102	102	0.551	15	80 - 120
Copper	100	103	103	0.977	15	80 - 120
Lead	100	100	100	0.322	15	80 - 120
Zinc	100	92.0	92.0	4.97	15	80 - 120

DUPLICATES

A0355-WC-A1A2

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	B4G0049-DUP1
Batch:	B4G0049	Initial/Final:	1 g / 50 ml
Preparation:	3050B	Analysis:	EPA 6010B
% Solids:			

ANALYTE	SAMPLE CONC. (mg/kg)	DUPLICATE CONC. (mg/kg)	RPD %	Q	CONTROL LIMIT
Antimony	1.15	0.804	35.0	*	15
Arsenic	1.80	1.69	6.10		15
Cadmium	ND	ND			15
Copper	36.4	36.7	0.906		15
Lead	98.4	102	3.29		15
Zinc	156	165	5.73		15

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

A0355-WC-A1A2

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B
Batch:	B4G0049	Preparation:	3050B
% Solids:		Laboratory ID:	B4G0049-MS1
Column:		Sample Lab ID:	BFG0034-01

ANALYTE	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC.		QC LIMITS REC.
Antimony	99.0	1.15	1.79 M, J	0.650	*	70 - 130
Arsenic	99.0	1.80	1.89 M, J	0.0962	*	70 - 130
Cadmium	99.0	ND	1.98 U		*	70 - 130
Copper	99.0	36.4	54.8 M	18.7	*	70 - 130
Lead	99.0	98.4	100 M	1.82	*	70 - 130
Zinc	99.0	156	167 M	10.9	*	70 - 130

ANALYTE	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Antimony	98.0	1.51 J, M, R	0.374	*	16.8	* *	15	70 - 130
Arsenic	98.0	2.28 J, M, R	0.494	*	18.6	* *	15	70 - 130
Cadmium	98.0	1.96 U		*		*	15	70 - 130
Copper	98.0	40.2 M, R	3.93	*	30.8	* *	15	70 - 130
Lead	98.0	100 M	1.85	*	0.0113	*	15	70 - 130
Zinc	98.0	172 M	16.0	*	2.93	*	15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Sequence:	S4G0006	Instrument:	OPTIMA8300
Calibration:	4G12001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0006-IBL1	07112024R.csv-001	07/11/24 09:44
Cal Standard	S4G0006-CAL1	07112024R.csv-002	07/11/24 09:47
Cal Standard	S4G0006-CAL2	07112024R.csv-003	07/11/24 09:50
Cal Standard	S4G0006-CAL3	07112024R.csv-004	07/11/24 09:53
Cal Standard	S4G0006-CAL4	07112024R.csv-005	07/11/24 09:56
Cal Standard	S4G0006-CAL5	07112024R.csv-006	07/11/24 09:59
Cal Standard	S4G0006-CAL6	07112024R.csv-007	07/11/24 10:02
Initial Cal Check	S4G0006-ICV1	07112024R.csv-009	07/11/24 10:36
Initial Cal Blank	S4G0006-ICB1	07112024R.csv-010	07/11/24 10:40
Interference Check A	S4G0006-IFA1	07112024R.csv-011	07/11/24 10:42
Interference Check B	S4G0006-IFB1	07112024R.csv-012	07/11/24 10:46
Calibration Check	S4G0006-CCV1	07112024R.csv-013	07/11/24 10:53
Calibration Blank	S4G0006-CCB1	07112024R.csv-014	07/11/24 10:57
Blank	B4G0049-BLK1	07112024R.csv-027	07/11/24 12:03
LCS	B4G0049-BS1	07112024R.csv-028	07/11/24 12:06
LCS Dup	B4G0049-BSD1	07112024R.csv-029	07/11/24 12:09
A0355-WC-A1A2	BFG0034-01	07112024R.csv-030	07/11/24 12:12
A0355-WC-A1A2	B4G0049-DUP1	07112024R.csv-031	07/11/24 12:15
A0355-WC-A1A2	B4G0049-MS1	07112024R.csv-032	07/11/24 12:19
A0355-WC-A1A2	B4G0049-MSD1	07112024R.csv-033	07/11/24 12:22
A0355-WC-A1A2A3	BFG0034-02	07112024R.csv-034	07/11/24 12:25
Calibration Check	S4G0006-CCV2	07112024R.csv-117	07/11/24 12:34
Calibration Blank	S4G0006-CCB2	07112024R.csv-118	07/11/24 12:37
Calibration Check	S4G0006-CCV3	07112024R.csv-066	07/11/24 13:14
Calibration Blank	S4G0006-CCB3	07112024R.csv-067	07/11/24 13:18
Calibration Check	S4G0006-CCV4	07112024R.csv-073	07/11/24 13:45
Calibration Blank	S4G0006-CCB4	07112024R.csv-074	07/11/24 13:57
Calibration Check	S4G0006-CCV5	07112024R.csv-085	07/11/24 14:38

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Sequence:	S4G0006	Instrument:	OPTIMA8300
Calibration:	4G12001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	S4G0006-CCB5	07112024R.csv-086	07/11/24 14:42
Calibration Check	S4G0006-CCV6	07112024R.csv-097	07/11/24 15:36
Calibration Blank	S4G0006-CCB6	07112024R.csv-098	07/11/24 15:39
Calibration Check	S4G0006-CCV7	07112024R.csv-103	07/11/24 16:22
Calibration Blank	S4G0006-CCB7	07112024R.csv-104	07/11/24 16:25

INITIAL CALIBRATION VERIFICATION

EPA 6010B

Laboratory: AETL
SDG: BFG0034
Client:
Project: 684735
Calibration: 4G12001
Laboratory ID: S4G0006-ICV1
Sequence: S4G0006
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	2.00	1.85	-7.6	10.00
Arsenic	2.00	1.83	-8.6	10.00
Cadmium	2.00	2.02	0.9	10.00
Copper	2.00	1.99	-0.4	10.00
Lead	2.00	2.05	2.7	10.00
Zinc	2.00	1.91	-4.5	10.00

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0034
Project: 684735
Calibration: 4G12001
Sequence: S4G0006

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4G0006-ICV1	Antimony	2.00	1.85	92.4	mg/L	+/- 10.00%
	Arsenic	2.00	1.83	91.4	mg/L	+/- 10.00%
	Cadmium	2.00	2.02	101	mg/L	+/- 10.00%
	Copper	2.00	1.99	99.6	mg/L	+/- 10.00%
	Lead	2.00	2.05	103	mg/L	+/- 10.00%
	Zinc	2.00	1.91	95.5	mg/L	+/- 10.00%
S4G0006-CCV1	Antimony	2.00	1.85	92.3	mg/L	+/- 10.00%
	Arsenic	2.00	1.99	99.3	mg/L	+/- 10.00%
	Cadmium	2.00	2.00	100	mg/L	+/- 10.00%
	Copper	2.00	1.97	98.3	mg/L	+/- 10.00%
	Lead	2.00	2.03	101	mg/L	+/- 10.00%
	Zinc	2.00	1.86	93.0	mg/L	+/- 10.00%
S4G0006-CCV2	Antimony	2.00	1.97	98.7	mg/L	+/- 10.00%
	Arsenic	2.00	1.85	92.3	mg/L	+/- 10.00%
	Cadmium	2.00	2.05	102	mg/L	+/- 10.00%
	Copper	2.00	2.10	105	mg/L	+/- 10.00%
	Lead	2.00	1.94	97.0	mg/L	+/- 10.00%
	Zinc	2.00	1.88	94.2	mg/L	+/- 10.00%
S4G0006-CCV3	Antimony	2.00	1.86	93.0	mg/L	+/- 10.00%
	Arsenic	2.00	1.83	91.6	mg/L	+/- 10.00%
	Cadmium	2.00	1.97	98.3	mg/L	+/- 10.00%
	Copper	2.00	1.93	96.3	mg/L	+/- 10.00%
	Lead	2.00	1.97	98.6	mg/L	+/- 10.00%
	Zinc	2.00	1.89	94.7	mg/L	+/- 10.00%
S4G0006-CCV4	Antimony	2.00	1.83	91.6	mg/L	+/- 10.00%
	Arsenic	2.00	2.02	101	mg/L	+/- 10.00%
	Cadmium	2.00	1.99	99.5	mg/L	+/- 10.00%
	Copper	2.00	1.95	97.5	mg/L	+/- 10.00%
	Lead	2.00	1.97	98.6	mg/L	+/- 10.00%
	Zinc	2.00	2.11	105	mg/L	+/- 10.00%
S4G0006-CCV5	Antimony	2.00	1.82	91.0	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0034
Project: 684735
Calibration: 4G12001
Sequence: S4G0006

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4G0006-CCV5	Arsenic	2.00	2.00	100	mg/L	+/- 10.00%
	Cadmium	2.00	1.93	96.7	mg/L	+/- 10.00%
	Copper	2.00	1.92	96.2	mg/L	+/- 10.00%
	Lead	2.00	1.91	95.3	mg/L	+/- 10.00%
	Zinc	2.00	2.03	101	mg/L	+/- 10.00%
S4G0006-CCV6	Antimony	2.00	2.18	109	mg/L	+/- 10.00%
	Arsenic	2.00	1.89	94.5	mg/L	+/- 10.00%
	Cadmium	2.00	1.85	92.7	mg/L	+/- 10.00%
	Copper	2.00	1.87	93.4	mg/L	+/- 10.00%
	Lead	2.00	1.85	92.7	mg/L	+/- 10.00%
	Zinc	2.00	1.91	95.5	mg/L	+/- 10.00%
S4G0006-CCV7	Antimony	2.00	1.88	93.8	mg/L	+/- 10.00%
	Arsenic	2.00	1.93	96.6	mg/L	+/- 10.00%
	Cadmium	2.00	2.00	99.8	mg/L	+/- 10.00%
	Copper	2.00	2.02	101	mg/L	+/- 10.00%
	Lead	2.00	1.96	98.0	mg/L	+/- 10.00%
	Zinc	2.00	1.86	92.8	mg/L	+/- 10.00%

Blank Results

EPA 6010B

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4G0006-ICB1	Antimony	-0.00356	mg/L	0.0400
	Arsenic	-0.00437	mg/L	0.0800
	Cadmium	0.00152	mg/L	0.0400
	Copper	0.00919	mg/L	0.0800
	Lead	0.000679	mg/L	0.0400
	Zinc	0.00567	mg/L	0.0800
S4G0006-CCB1	Antimony	0.00761	mg/L	0.0400
	Arsenic	0.00968	mg/L	0.0800
	Cadmium	0.00183	mg/L	0.0400
	Copper	0.00853	mg/L	0.0800
	Lead	-0.00369	mg/L	0.0400
	Zinc	0.00576	mg/L	0.0800
S4G0006-CCB2	Antimony	0.0109	mg/L	0.0400
	Arsenic	0.00717	mg/L	0.0800
	Cadmium	0.00213	mg/L	0.0400
	Copper	0.0140	mg/L	0.0800
	Lead	-0.00749	mg/L	0.0400
	Zinc	0.00311	mg/L	0.0800
S4G0006-CCB3	Antimony	0.00805	mg/L	0.0400
	Arsenic	0.00529	mg/L	0.0800
	Cadmium	0.00176	mg/L	0.0400
	Copper	0.00922	mg/L	0.0800
	Lead	0.000376	mg/L	0.0400
	Zinc	0.00678	mg/L	0.0800
S4G0006-CCB4	Antimony	0.00390	mg/L	0.0400
	Arsenic	0.00520	mg/L	0.0800
	Cadmium	0.000326	mg/L	0.0400
	Copper	0.00140	mg/L	0.0800
	Lead	-0.00173	mg/L	0.0400
	Zinc	0.00342	mg/L	0.0800
S4G0006-CCB5	Antimony	-0.00162	mg/L	0.0400
	Arsenic	0.0124	mg/L	0.0800
	Cadmium	0.000513	mg/L	0.0400
	Copper	0.00412	mg/L	0.0800
	Lead	-0.00898	mg/L	0.0400

Blank Results

EPA 6010B

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4G0006-CCB5	Zinc	0.00207	mg/L	0.0800
S4G0006-CCB6	Antimony	0.00899	mg/L	0.0400
	Arsenic	-0.00316	mg/L	0.0800
	Cadmium	0.000611	mg/L	0.0400
	Copper	0.00425	mg/L	0.0800
	Lead	-0.00371	mg/L	0.0400
	Zinc	-0.000107	mg/L	0.0800
S4G0006-CCB7	Antimony	-0.00229	mg/L	0.0400
	Arsenic	0.0144	mg/L	0.0800
	Cadmium	0.000408	mg/L	0.0400
	Copper	0.00690	mg/L	0.0800
	Lead	-0.00678	mg/L	0.0400
	Zinc	0.00350	mg/L	0.0800

INTERFERENCE CHECK SAMPLE

EPA 6010B

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4G12001
Sequence:	S4G0006		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0006-IFA1	Antimony	0.00	0.02583	mg/L	-100	±20.00 %	7/11/24 10:42
	Arsenic	0.00	0.00749	mg/L	-100	±20.00 %	7/11/24 10:42
	Cadmium	0.00	-0.01695	mg/L	-100	±20.00 %	7/11/24 10:42
	Copper	0.00	-0.00418	mg/L	-100	±20.00 %	7/11/24 10:42
	Lead	0.00	0.00137	mg/L	-100	±20.00 %	7/11/24 10:42
	Zinc	0.00	-0.00790	mg/L	-100	±20.00 %	7/11/24 10:42

INTERFERENCE CHECK SAMPLE

EPA 6010B

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735
Instrument ID: OPTIMA8300
Calibration: 4G12001
Sequence: S4G0006

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0006-IFB1	Antimony	0.500	0.51611	mg/L	3	±20.00 %	7/11/24 10:46
	Arsenic	0.500	0.48172	mg/L	-4	±20.00 %	7/11/24 10:46
	Cadmium	0.500	0.50362	mg/L	1	±20.00 %	7/11/24 10:46
	Copper	0.500	0.51939	mg/L	4	±20.00 %	7/11/24 10:46
	Lead	0.500	0.49744	mg/L	-1	±20.00 %	7/11/24 10:46
	Zinc	0.500	0.51414	mg/L	3	±20.00 %	7/11/24 10:46

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

July 25, 2024

AETL Job No: BFG0034 Rev. 01
Received Date: 07/03/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: A0355
3506 E 8th St.
Los Angeles, CA 90023

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

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AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
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Revised and Reissued

Rev. 01

Parsons	AETL Job Number:	BFG0034	Site:	A0355
	Project Number:	684735		3506 E 8th St.
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/25/2024 13:56

Data Validatable Report

Work Order Case Narrative

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

This report contains additional data to the report previously submitted. The analyses added are STLC-6010B-Pb and TCLP-6010B-Pb and were added to sample BFG0034-01 per client request on 7/17/24. This document is the official version and is in addition to the earlier report.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
BFG0034-01	A0355-WC-A1A2	Soil	07/03/2024 09:00	07/03/2024

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		Project Number:	684735		3506 E 8th St.
100 West Walnut Street		Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	07/25/2024 13:56

Containers Received

Lab ID	Container Type	Count	Preservation Check
BFG0034-01			
	Glass Jar - 8 oz	1	
BFG0034-02			
	Glass Jar - 8 oz	1	

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100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/25/2024 13:56	

Analytical Results

Client ID: **A0355-WC-A1A2**

Lab ID: **BFG0034-01 (Soil)** **Sampled:** **07/03/24 9:00**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
STLC Analysis											
Method: EPA 6010B-STLC											
Lead	**2.74**	D	2	0.328	0.800	mg/L	07/24/24 08:28	07/24/24 12:10	B4G0285	LE	STLC- ICP
TCLP Analysis											
Method: EPA 6010B-1311 TCLP											
Lead	ND		1	0.0461	0.200	mg/L	07/19/24 09:52	07/22/24 11:52	B4G0234	LE	1311- ICP

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	Project Number:	684735		3506 E 8th St.	
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/25/2024 13:56	

Quality Control

STLC Analysis

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B-STLC										
Batch: B4G0285 - STLC- ICP										
Blank (B4G0285-BLK1)					Prepared & Analyzed: 07/24/2024 12:01					
Lead	ND D	0.800	0.328	mg/L						
LCS (B4G0285-BS1)					Prepared & Analyzed: 07/24/2024 12:04					
Lead	18.4 D		0.328	mg/L	20.0		92.2	80-120		
LCS Dup (B4G0285-BSD1)					Prepared & Analyzed: 07/24/2024 12:07					
Lead	19.0 D		0.328	mg/L	20.0		95.2	80-120	3.23	15
Duplicate (B4G0285-DUP1)	**Source: BFG0034-01**				Prepared & Analyzed: 07/24/2024 12:14					
Lead	2.71 D		0.328	mg/L		2.74			1.12	15
Matrix Spike (B4G0285-MS1)	**Source: BFG0034-01**				Prepared & Analyzed: 07/24/2024 12:17					
Lead	20.0 D		0.328	mg/L	20.0	2.74	86.1	70-130		
Matrix Spike Dup (B4G0285-MSD1)	**Source: BFG0034-01**				Prepared & Analyzed: 07/24/2024 12:20					
Lead	20.0 D		0.328	mg/L	20.0	2.74	86.3	70-130	0.271	15
Method: EPA 6010B-STLC										
Batch: S4G0015 - B4G0190										
Instrument Blank (S4G0015-IBL1)					Prepared & Analyzed: 07/24/2024 08:21					
Lead	0.00			mg/L	0.00					
Interference Check A (S4G0015-IFA1)					Prepared & Analyzed: 07/24/2024 09:16					
Lead	0.00105			mg/L	0.00			80-120		
Interference Check B (S4G0015-IFB1)					Prepared & Analyzed: 07/24/2024 09:20					
Lead	0.495			mg/L	0.500		99.1	80-120		

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	Project Number:	684735		3506 E 8th St.	
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/25/2024 13:56	

Quality Control
(Continued)

TCLP Analysis

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B-1311 TCLP										
Batch: B4G0234 - 1311- ICP										
Blank (B4G0234-BLK1)					Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:42					
Lead	ND	0.200	0.0461	mg/L						
LCS (B4G0234-BS1)					Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:46					
Lead	9.75		0.0461	mg/L	10.0		97.5	80-120		
LCS Dup (B4G0234-BSD1)					Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:49					
Lead	9.72		0.0461	mg/L	10.0		97.2	80-120	0.315	15
Duplicate (B4G0234-DUP1)		**Source: BFG0034-01**			Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:55					
Lead	0.0491 J		0.0461	mg/L		ND				15
Matrix Spike (B4G0234-MS1)		**Source: BFG0034-01**			Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:59					
Lead	9.71		0.0461	mg/L	10.0	ND	97.1	70-130		
Matrix Spike Dup (B4G0234-MSD1)		**Source: BFG0034-01**			Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 12:02					
Lead	9.29		0.0461	mg/L	10.0	ND	92.9	70-130	4.45	15
Method: EPA 6010B-1311 TCLP										
Batch: S4G0013 - B4G0091										
Instrument Blank (S4G0013-IBL1)					Prepared & Analyzed: 07/22/2024 09:59					
Lead	0.00			mg/L	0.00					
Interference Check A (S4G0013-IFA1)					Prepared & Analyzed: 07/22/2024 10:41					
Lead	0.0101			mg/L	0.00			0-200		
Interference Check B (S4G0013-IFB1)					Prepared & Analyzed: 07/22/2024 10:48					
Lead	0.481			mg/L	0.500		96.1	0-200		

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Rev. 01

Parsons		AETL Job Number:	BFG0034	Site:	A0355
		Project Number:	684735		3506 E 8th St.
100 West Walnut Street		Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	07/25/2024 13:56

Qualifiers and Definitions

Item	Qualifiers
D	Sample was analyzed under dilution due to matrix interference.
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics

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Rev. 01

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	Project Number:	684735		3506 E 8th St.
100 West Walnut Street	Attention:	Pete Shair		Los Angeles, CA 90023
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	07/25/2024 13:56

MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

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WORK ORDER

BFG0034

Printed: 07/25/2024 1:57 pm

Project: **Exide Initial 200 Single Cleanup Unit (SCU)**
Project Number: **684735**
Project Manager: **Hailley Coleman**
PO Number:

Report To:

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

Invoice To:

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/03/2024 03:30 PM
Date Due: 07/24/2024 (14.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

Analysis	Comments
BFG0034-01 A0355-WC-A1A2 [Soil] Sampled 7/3/2024 9:00:00AM	
STLC-6010B-Pb	NONE
STLC-Extraction-METALS	NONE
TCLP-6010B-Pb	NONE
TCLP-Extraction-METALS	NONE

BFG0034 **Sample Receipt Log**

Default Cooler

Samples Received at: **26.3°C**

Are the COCs Correct	Yes	Received on Ice	No
Labels Legible	Yes		
COC/Labels Agree	Yes		
Sufficient Sample Volume	Yes		
Sample Labels intact	Yes		
Containers In Good Condition	Yes		
Samples Preserved Properly	Yes		
Sufficient Holding Time for all Tests	Yes		

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CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFC240034 Page 1 of 1

Company: Parsons	Project Manager: Pete Shair / Linda McGlochlin
Company Address: 100 W. Walnut St, Pasadena, CA 91124	Email: tom.blaney@parsons.com
Project Name: DTSC Exide Residential	**Project # 684735**
Site Property ID: A0355	**PO #**
Site Address: 3506 E 8th St, Los Angeles CA 90023	
Report To: tom.blaney@parsons.com Report & EDD To: carla.rodman@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	

BF-C240034 ↓ 02

Location ID	Start Depth (in)	End Depth (in)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Purpose N/FD	Sample Matrix	Sample Type Comp/Grab	# of Cont.	Field Filtered (Y/N)		Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb)	Analysis Requested: Lead (6010B)	Analysis Requested: Sru-Pb	Analysis Requested: Tue-Pb	Analysis Requested: 7/11/24	Comments
A0355-WC	0	12	A0355-WC-A1A2	7/3/24	0900	N	Soil	C	1	N		X	X	X	X		
A0355-WC	0	18	A0355-WC-A1A2A3	7/3/24	0905	N	Soil	C	1	N		X	X				

Requested Due Date/TAT: _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

Deliverable Requested: EQuIS DTSC_Cleanup EDD

Level III/IV PDF: Level III

Sampler(s) Name:	Company:		
Relinquished By (signature):		Relinquished By (signature):	Sample Receipt Comments:
Printed Name: Brenda B	Company:	Printed Name: Pat A	Company:
Date/Time: 7/3/24 1415		Date/Time: 7-3-24 1530	
Received By (signature):		Received By (signature):	
Printed Name: Pat A	Company:	Printed Name: Arthur Gregorian	Company: AETL
Date/Time: 7-3-24 1415		Date/Time: 07-03-24 15:30	
Shipment Method:		Sample Tracking No:	Samples Intact : Yes ☐ No ☐

Sample Type: C = Composite; G = Grab **Sample Purpose:** N = Normal; FD = Field-Duplicate **Soil Description:** BY = Backyard; FY = Front yard; SY = Side yard

Table of Contents

Hailley Coleman

From: Nishka.Parikh@parsons.com
Sent: Wednesday, July 17, 2024 3:44 PM
To: Hailley Coleman
Cc: Tom.Blaney@parsons.com; Peter.Shair@parsons.com; Sandra.delasFuentes@parsons.us; Carla.Rodman@parsons.com
Subject: Need STLC/TCLP Analyses

Follow Up Flag: Follow up
Flag Status: Flagged

Sensitive

Hi Hailley,

Please run the following on a standard turnaround time:

1. A0355-WC-A1A2 (LAB REPORT BFG0034): STLC and TCLP for lead
2. B0964-WC-A1A2A3 (LAB REPORT BFG0047): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFG0034

Date Received: 07/03/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☐ Cooler (_____) ☑ Other (Specify): Box

Sample Container Temperature: 26.3 °C IR Gun S/N: 51941911MV

Type of sample containers: VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

How are samples preserved: ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✔			
2. Are Sample labels legible & indelible ink?	✔			
3. Do samples match the COC?	✔			
4. Are the required analyses clear?	✔			
5. Is there enough samples for required analysis?	✔			
6. Does cooler or samples have custody seal(s)?			✔	
7. Are sample containers intact and in good condition?	✔			
8. Are samples preserved?			✔	
9. Are samples preserved properly for the intended analysis?			✔	
10. Are the VOAs free of headspace? See footnote.			✔	
11. Are the jars free of headspace?			✔	
12. Are there any samples with short hold times?		✔		

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

ICP_STLC

PREPARATION BATCH SUMMARY

Laboratory:	AETL			Work Order:	BFG0034
Client:	Parsons			Project:	Exide Initial 200 Single Cleanup Unit (SCU)
Batch:	B4G0244	Batch Matrix:	Soil	Preparation:	CA WET- STLC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4G0244-BLK1	07/22/24 07:34	50.00	500
A0355-WC-A1A2	BFG0034-01	07/22/24 07:34	50.00	500

ICP_TCLP

PREPARATION BATCH SUMMARY

Laboratory:	AETL			Work Order:	BFG0034
Client:	Parsons			Project:	Exide Initial 200 Single Cleanup Unit (SCU)
Batch:	B4G0212	Batch Matrix:	Soil	Preparation:	1311- Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
Blank	B4G0212-BLK1	07/18/24 10:09	100.00	2000
A0355-WC-A1A2	BFG0034-01	07/18/24 10:09	100.00	2000

METALS

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET

A0355-WC-A1A2

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFG0034-01
Sampled:	07/03/24 09:00		
% Solids:	0.00		

Analyte	Concentration (mg/L)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Lead	ND	0.200	0.0461	1		B4G0234	07/22/24 11:52	EPA 6010B-1311 TCLP

PREPARATION BATCH SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL			Work Order:	BFG0034
Client:				Project:	684735
Batch:	B4G0234	Batch Matrix:	Soil	Preparation:	1311- ICP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4G0234-BLK1	07/19/24 09:52	10.00	50.00
LCS	B4G0234-BS1	07/19/24 09:52	10.00	50.00
LCS Dup	B4G0234-BSD1	07/19/24 09:52	10.00	50.00
A0355-WC-A1A2	B4G0234-DUP1	07/19/24 09:52	10.00	50.00
A0355-WC-A1A2	B4G0234-MS1	07/19/24 09:52	10.00	50.00
A0355-WC-A1A2	B4G0234-MSD1	07/19/24 09:52	10.00	50.00
A0355-WC-A1A2	BFG0034-01	07/19/24 09:52	10.00	50.00

PREPARATION BENCH SHEET

B4G0234

AETL

Printed: 7/23/2024 4:45:29PM

Matrix: Soil **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4G0234-BLK1	QC	07/19/2024 09:52	10	50						
B4G0234-BS1	QC	07/19/2024 09:52	10	50	BE42111		50000			
B4G0234-BSD1	QC	07/19/2024 09:52	10	50	BE42111		50000			
B4G0234-DUP1	QC	07/19/2024 09:52	10	50		BFG0034-01				
B4G0234-MS1	QC	07/19/2024 09:52	10	50	BE42111	BFG0034-01	50000			
B4G0234-MSD1	QC	07/19/2024 09:52	10	50	BE42111	BFG0034-01	50000			
BFG0034-01	zzm_6010B-TCLP	07/19/2024 09:52	10	50					Parsons	Added for BatchQC in: B4G0234
BFG0034-01	TCLP-6010B-Ag	07/19/2024 09:52	10	50					Parsons	Added for BatchQC in: B4G0234
BFG0034-01	TCLP-6010B-Cd	07/19/2024 09:52	10	50					Parsons	Added for BatchQC in: B4G0234
BFG0034-01	TCLP-6010B-Pb	07/19/2024 09:52	10	50					Parsons	
BFG0034-01	TCLP-6010B-Cr	07/19/2024 09:52	10	50					Parsons	Added for BatchQC in: B4G0234
BFG0047-02	TCLP-6010B-Pb	07/19/2024 09:52	10	50					Parsons	
BFG0116-03	zzm_6010B-TCLP	07/19/2024 09:52	10	50						
BFG0117-02	zzm_6010B-TCLP	07/19/2024 09:52	10	50						
BFG0146-01	TCLP-6010B-Pb	07/19/2024 09:52	10	50					Parsons	
BFG0167-01	TCLP-6010B-Pb	07/19/2024 09:52	10	50						
BFG0167-01	TCLP-6010B-Ag	07/19/2024 09:52	10	50						
BFG0167-01	TCLP-6010B-Cd	07/19/2024 09:52	10	50						
BFG0167-01	TCLP-6010B-Cr	07/19/2024 09:52	10	50						

iking Witnessed By — Date: 7/19/24

Preparation Reviewed By — Date: 7/19/24

Extracts Received By — Date: 7/19/24

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PREPARATION BENCH SHEET

B4G0234

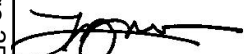
AETL

Printed: 7/23/2024 4:45:29PM

Matrix: Soil **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

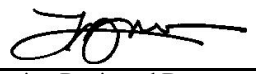
Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments

Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK : E
THERMOMETER: 10075
UNCOR TEMP: 94 C
COR TEMP: 95 C
DIGESTION STARTED: 11:00 hrs
TIME END: 13:30 hrs



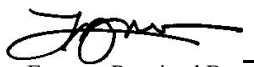
7/19/24

iking Witnessed By Date



7/19/24

Preparation Reviewed By Date



7/19/24

Extracts Received By Date

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ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFG0034
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4G0234-BLK1	File ID:	07222024R.csv-103
Sampled:		Prepared:	07/19/24 09:52	Analyzed:	07/22/24 11:42
Solids:		Preparation:	1311- ICP	Dilution:	1
Batch:	B4G0234	Sequence:	S4G0013	Calibration:	4G23001
Column:	1				

Instrument: OPTIMA8300

ANALYTE	CONC. (mg/L)	MDL	RL	Q
Lead	ND	0.0461	0.200	

LCS / LCS DUPLICATE RECOVERY

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Preparation:	1311- ICP
Batch:	B4G0234	Laboratory ID:	B4G0234-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Lead	10.0	9.75	97.5	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	10.0	9.72	97.2	0.315	15	80 - 120

DUPLICATES

A0355-WC-A1A2

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	B4G0234-DUP1
Batch:	B4G0234	Initial/Final:	10 mL / 50 mL
Preparation:	1311- ICP	Analysis:	EPA 6010B-1311 TCLP
% Solids:			

ANALYTE	SAMPLE CONC. (mg/L)	DUPLICATE CONC. (mg/L)	RPD %	Q	CONTROL LIMIT
Lead	ND	0.0491			15

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

A0355-WC-A1A2

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B-1311 TCLP
Batch:	B4G0234	Preparation:	1311- ICP
% Solids:		Laboratory ID:	B4G0234-MS1
Column:		Sample Lab ID:	BFG0034-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Lead	10.0	ND	9.71	97.1	70 - 130

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Lead	10.0	9.29	92.9	4.45	15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Sequence:	S4G0013	Instrument:	OPTIMA8300
Calibration:	4G23001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0013-IBL1	07222024R.csv-001	07/22/24 09:59
Cal Standard	S4G0013-CAL1	07222024R.csv-002	07/22/24 10:02
Cal Standard	S4G0013-CAL2	07222024R.csv-003	07/22/24 10:05
Cal Standard	S4G0013-CAL3	07222024R.csv-004	07/22/24 10:09
Cal Standard	S4G0013-CAL4	07222024R.csv-005	07/22/24 10:12
Cal Standard	S4G0013-CAL5	07222024R.csv-006	07/22/24 10:15
Cal Standard	S4G0013-CAL6	07222024R.csv-007	07/22/24 10:18
Initial Cal Check	S4G0013-ICV1	07222024R.csv-009	07/22/24 10:31
Initial Cal Blank	S4G0013-ICB1	07222024R.csv-010	07/22/24 10:34
Interference Check A	S4G0013-IFA1	07222024R.csv-011	07/22/24 10:41
Interference Check B	S4G0013-IFB1	07222024R.csv-012	07/22/24 10:48
Calibration Check	S4G0013-CCV1	07222024R.csv-013	07/22/24 10:58
Calibration Blank	S4G0013-CCB1	07222024R.csv-014	07/22/24 11:01
Calibration Check	S4G0013-CCV2	07222024R.csv-022	07/22/24 11:28
Calibration Blank	S4G0013-CCB2	07222024R.csv-023	07/22/24 11:32
Blank	B4G0234-BLK1	07222024R.csv-103	07/22/24 11:42
LCS	B4G0234-BS1	07222024R.csv-025	07/22/24 11:46
LCS Dup	B4G0234-BSD1	07222024R.csv-026	07/22/24 11:49
A0355-WC-A1A2	BFG0034-01	07222024R.csv-027	07/22/24 11:52
A0355-WC-A1A2	B4G0234-DUP1	07222024R.csv-028	07/22/24 11:55
A0355-WC-A1A2	B4G0234-MS1	07222024R.csv-029	07/22/24 11:59
A0355-WC-A1A2	B4G0234-MSD1	07222024R.csv-030	07/22/24 12:02
Calibration Check	S4G0013-CCV3	07222024R.csv-034	07/22/24 12:21
Calibration Blank	S4G0013-CCB3	07222024R.csv-035	07/22/24 12:24
Calibration Check	S4G0013-CCV4	07222024R.csv-038	07/22/24 12:46
Calibration Blank	S4G0013-CCB4	07222024R.csv-039	07/22/24 12:49
Calibration Check	S4G0013-CCV5	07222024R.csv-054	07/22/24 13:55
Calibration Blank	S4G0013-CCB5	07222024R.csv-055	07/22/24 13:58

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Sequence:	S4G0013	Instrument:	OPTIMA8300
Calibration:	4G23001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S4G0013-CCV6	07222024R.csv-066	07/22/24 14:43
Calibration Blank	S4G0013-CCB6	07222024R.csv-067	07/22/24 14:46
Calibration Check	S4G0013-CCV7	07222024R.csv-071	07/22/24 14:58
Calibration Blank	S4G0013-CCB7	07222024R.csv-072	07/22/24 15:01
Calibration Check	S4G0013-CCV8	07222024R.csv-083	07/22/24 15:50
Calibration Blank	S4G0013-CCB8	07222024R.csv-084	07/22/24 15:53
Calibration Check	S4G0013-CCV9	07222024R.csv-095	07/22/24 16:39
Calibration Blank	S4G0013-CCB9	07222024R.csv-096	07/22/24 16:46
Calibration Check	S4G0013-CCVA	07222024R.csv-101	07/22/24 17:14
Calibration Blank	S4G0013-CCBA	07222024R.csv-102	07/22/24 17:17

INITIAL CALIBRATION VERIFICATION

EPA 6010B-1311 TCLP

Laboratory: AETL
SDG: BFG0034
Client:
Project: 684735
Calibration: 4G23001
Laboratory ID: S4G0013-ICV1
Sequence: S4G0013
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	2.00	2.14	6.9	

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4G23001
		Sequence:	S4G0013

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4G0013-ICV1	Lead	2.00	2.14	107	mg/L	+/- %
S4G0013-CCV1	Lead	2.00	2.05	102	mg/L	+/- %
S4G0013-CCV2	Lead	2.00	2.03	102	mg/L	+/- %
S4G0013-CCV3	Lead	2.00	1.87	93.4	mg/L	+/- %
S4G0013-CCV4	Lead	2.00	1.82	91.0	mg/L	+/- %
S4G0013-CCV5	Lead	2.00	2.00	100	mg/L	+/- %
S4G0013-CCV6	Lead	2.00	2.19	109	mg/L	+/- %
S4G0013-CCV7	Lead	2.00	2.17	108	mg/L	+/- %
S4G0013-CCV8	Lead	2.00	1.87	93.6	mg/L	+/- %
S4G0013-CCV9	Lead	2.00	2.06	103	mg/L	+/- %
S4G0013-CCVA	Lead	2.00	2.03	101	mg/L	+/- %

Blank Results

EPA 6010B-1311 TCLP

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4G0013-ICB1	Lead	0.00768	mg/L	0.0400
S4G0013-CCB1	Lead	0.00763	mg/L	0.0400
S4G0013-CCB2	Lead	0.00488	mg/L	0.0400
S4G0013-CCB3	Lead	-0.00665	mg/L	0.0400
S4G0013-CCB4	Lead	0.00427	mg/L	0.0400
S4G0013-CCB5	Lead	-0.00205	mg/L	0.0400
S4G0013-CCB6	Lead	-0.00221	mg/L	0.0400
S4G0013-CCB7	Lead	0.00227	mg/L	0.0400
S4G0013-CCB8	Lead	0.00704	mg/L	0.0400
S4G0013-CCB9	Lead	0.00269	mg/L	0.0400
S4G0013-CCBA	Lead	0.00225	mg/L	0.0400

INTERFERENCE CHECK SAMPLE

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4G23001
Sequence:	S4G0013		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0013-IFA1	Lead	0.00	0.01010	mg/L	-100	±0.00 %	7/22/24 10:41

INTERFERENCE CHECK SAMPLE

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4G23001
Sequence:	S4G0013		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0013-IFB1	Lead	0.500	0.48073	mg/L	-4	±0.00 %	7/22/24 10:48

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET

A0355-WC-A1A2

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFG0034-01
Sampled:	07/03/24 09:00		
% Solids:	0.00		

Analyte	Concentration (mg/L)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Lead	2.74	0.800	0.328	2	D	B4G0285	07/24/24 12:10	EPA

PREPARATION BATCH SUMMARY

EPA 6010B-STLC

Laboratory:	AETL			Work Order:	BFG0034
Client:				Project:	684735
Batch:	B4G0285	Batch Matrix:	Soil	Preparation:	STLC- ICP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4G0285-BLK1	07/24/24 08:28	5.00	50.00
LCS	B4G0285-BS1	07/24/24 08:28	5.00	50.00
LCS Dup	B4G0285-BSD1	07/24/24 08:28	5.00	50.00
A0355-WC-A1A2	B4G0285-DUP1	07/24/24 08:28	5.00	50.00
A0355-WC-A1A2	B4G0285-MS1	07/24/24 08:28	5.00	50.00
A0355-WC-A1A2	B4G0285-MSD1	07/24/24 08:28	5.00	50.00
A0355-WC-A1A2	BFG0034-01	07/24/24 08:28	5.00	50.00

PREPARATION BENCH SHEET

B4G0285

AETL

Printed: 7/25/2024 12:48:51PM

Matrix: Soil **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4G0285-BLK1	QC	07/24/2024 08:28	5	50						
B4G0285-BS1	QC	07/24/2024 08:28	5	50	BE42111		50000			
B4G0285-BSD1	QC	07/24/2024 08:28	5	50	BE42111		50000			
B4G0285-DUP1	QC	07/24/2024 08:28	5	50		BFG0034-01				
B4G0285-MS1	QC	07/24/2024 08:28	5	50	BE42111	BFG0034-01	50000			
B4G0285-MSD1	QC	07/24/2024 08:28	5	50	BE42111	BFG0034-01	50000			
BFG0034-01	STLC-6010B-Pb	07/24/2024 08:28	5	50					Parsons	
BFG0047-02	STLC-6010B-Pb	07/24/2024 08:28	5	50					Parsons	

Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK : E
THERMOMETER: 10075
UNCOR TEMP: 95 C
COR TEMP: 96 C
DIGESTION STARTED: 09:10 hrs
TIME END: 11:40 hrs

iking Witnessed By	Date	Preparation Reviewed By	Date	Extracts Received By	Date
	7/24/24		7/24/24		7/24/24

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ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFG0034
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4G0285-BLK1	File ID:	07242024R.csv-049
Sampled:		Prepared:	07/24/24 08:28	Analyzed:	07/24/24 12:01
Solids:		Preparation:	STLC- ICP	Dilution:	2
Batch:	B4G0285	Sequence:	S4G0015	Calibration:	4G25001
Column:	1				

Instrument: OPTIMA8300

ANALYTE	CONC. (mg/L)	MDL	RL	Q
Lead	ND	0.328	0.800	D

LCS / LCS DUPLICATE RECOVERY

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Preparation:	STLC- ICP
Batch:	B4G0285	Laboratory ID:	B4G0285-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Lead	20.0	18.4	92.2	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	20.0	19.0	95.2	3.23	15	80 - 120

DUPLICATES

A0355-WC-A1A2

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	B4G0285-DUP1
Batch:	B4G0285	Initial/Final:	5 mL / 50 mL
Preparation:	STLC- ICP	Analysis:	EPA 6010B-STLC

% Solids:

ANALYTE	SAMPLE CONC. (mg/L)	DUPLICATE CONC. (mg/L)	RPD %	Q	CONTROL LIMIT
Lead	2.74	2.71	1.12		15

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

A0355-WC-A1A2

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B-STLC
Batch:	B4G0285	Preparation:	STLC- ICP
% Solids:		Laboratory ID:	B4G0285-MS1
Column:		Sample Lab ID:	BFG0034-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Lead	20.0	2.74	20.0 D	86.1	70 - 130

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Lead	20.0	20.0 D	86.3	0.271	15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-STLC

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Sequence:	S4G0015	Instrument:	OPTIMA8300
Calibration:	4G25001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0015-IBL1	07242024R.csv-001	07/24/24 08:21
Cal Standard	S4G0015-CAL1	07242024R.csv-002	07/24/24 08:24
Cal Standard	S4G0015-CAL2	07242024R.csv-003	07/24/24 08:27
Cal Standard	S4G0015-CAL3	07242024R.csv-004	07/24/24 08:30
Cal Standard	S4G0015-CAL4	07242024R.csv-005	07/24/24 08:33
Cal Standard	S4G0015-CAL5	07242024R.csv-006	07/24/24 08:37
Cal Standard	S4G0015-CAL6	07242024R.csv-007	07/24/24 08:40
Initial Cal Check	S4G0015-ICV1	07242024R.csv-009	07/24/24 09:05
Initial Cal Blank	S4G0015-ICB1	07242024R.csv-010	07/24/24 09:13
Interference Check A	S4G0015-IFA1	07242024R.csv-011	07/24/24 09:16
Interference Check B	S4G0015-IFB1	07242024R.csv-012	07/24/24 09:20
Calibration Check	S4G0015-CCV1	07242024R.csv-013	07/24/24 09:35
Calibration Blank	S4G0015-CCB1	07242024R.csv-014	07/24/24 09:38
Calibration Check	S4G0015-CCV2	07242024R.csv-047	07/24/24 11:43
Calibration Blank	S4G0015-CCB2	07242024R.csv-048	07/24/24 11:47
Blank	B4G0285-BLK1	07242024R.csv-049	07/24/24 12:01
LCS	B4G0285-BS1	07242024R.csv-050	07/24/24 12:04
LCS Dup	B4G0285-BSD1	07242024R.csv-051	07/24/24 12:07
A0355-WC-A1A2	BFG0034-01	07242024R.csv-052	07/24/24 12:10
A0355-WC-A1A2	B4G0285-DUP1	07242024R.csv-053	07/24/24 12:14
A0355-WC-A1A2	B4G0285-MS1	07242024R.csv-054	07/24/24 12:17
A0355-WC-A1A2	B4G0285-MSD1	07242024R.csv-055	07/24/24 12:20
Calibration Check	S4G0015-CCV3	07242024R.csv-057	07/24/24 12:53
Calibration Blank	S4G0015-CCB3	07242024R.csv-058	07/24/24 12:56
Calibration Check	S4G0015-CCV4	07242024R.csv-069	07/24/24 13:40
Calibration Blank	S4G0015-CCB4	07242024R.csv-070	07/24/24 13:43
Calibration Check	S4G0015-CCV5	07242024R.csv-081	07/24/24 14:17
Calibration Blank	S4G0015-CCB5	07242024R.csv-082	07/24/24 14:20

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-STLC

Laboratory:	AETL	SDG:	BFG0034
Client:		Project:	684735
Sequence:	S4G0015	Instrument:	OPTIMA8300
Calibration:	4G25001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	S4G0015-CCV6	07242024R.csv-087	07/24/24 14:42
Calibration Blank	S4G0015-CCB6	07242024R.csv-088	07/24/24 14:46
Calibration Check	S4G0015-CCV7	07242024R.csv-091	07/24/24 15:25
Calibration Blank	S4G0015-CCB7	07242024R.csv-092	07/24/24 15:29
Calibration Check	S4G0015-CCV8	07242024R.csv-102	07/24/24 16:11
Calibration Blank	S4G0015-CCB8	07242024R.csv-103	07/24/24 16:13
Calibration Check	S4G0015-CCV9	07242024R.csv-114	07/24/24 16:47
Calibration Blank	S4G0015-CCB9	07242024R.csv-115	07/24/24 16:49
Calibration Check	S4G0015-CCVA	07242024R.csv-122	07/24/24 17:11
Calibration Blank	S4G0015-CCBA	07242024R.csv-123	07/24/24 17:14

INITIAL CALIBRATION VERIFICATION

EPA 6010B-STLC

Laboratory: AETL
SDG: BFG0034
Client:
Project: 684735
Calibration: 4G25001
Laboratory ID: S4G0015-ICV1
Sequence: S4G0015
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	2.00	2.02	1.0	10.00

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B-STLC

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0034
Project: 684735
Calibration: 4G25001
Sequence: S4G0015

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4G0015-ICV1	Lead	2.00	2.02	101	mg/L	+/- 10.00%
S4G0015-CCV1	Lead	2.00	1.94	97.0	mg/L	+/- 10.00%
S4G0015-CCV2	Lead	2.00	1.84	92.0	mg/L	+/- 10.00%
S4G0015-CCV3	Lead	2.00	2.05	103	mg/L	+/- 10.00%
S4G0015-CCV4	Lead	2.00	1.99	99.6	mg/L	+/- 10.00%
S4G0015-CCV5	Lead	2.00	1.90	95.2	mg/L	+/- 10.00%
S4G0015-CCV6	Lead	2.00	1.84	92.2	mg/L	+/- 10.00%
S4G0015-CCV7	Lead	2.00	1.84	92.1	mg/L	+/- 10.00%
S4G0015-CCV8	Lead	2.00	2.08	104	mg/L	+/- 10.00%
S4G0015-CCV9	Lead	2.00	1.99	99.7	mg/L	+/- 10.00%
S4G0015-CCVA	Lead	2.00	1.94	97.1	mg/L	+/- 10.00%

Blank Results

EPA 6010B-STLC

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4G0015-ICB1	Lead	0.00164	mg/L	0.0400
S4G0015-CCB1	Lead	0.0207	mg/L	0.0400
S4G0015-CCB2	Lead	0.00263	mg/L	0.0400
S4G0015-CCB3	Lead	0.0134	mg/L	0.0400
S4G0015-CCB4	Lead	-0.00287	mg/L	0.0400
S4G0015-CCB5	Lead	-0.00324	mg/L	0.0400
S4G0015-CCB6	Lead	-0.00699	mg/L	0.0400
S4G0015-CCB7	Lead	-0.000554	mg/L	0.0400
S4G0015-CCB8	Lead	-0.00154	mg/L	0.0400
S4G0015-CCB9	Lead	-0.00889	mg/L	0.0400
S4G0015-CCBA	Lead	-0.00421	mg/L	0.0400

INTERFERENCE CHECK SAMPLE

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4G25001
Sequence:	S4G0015		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0015-IFA1	Lead	0.00	0.00105	mg/L	-100	±20.00 %	7/24/24 9:16

INTERFERENCE CHECK SAMPLE

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFG0034
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4G25001
Sequence:	S4G0015		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0015-IFB1	Lead	0.500	0.49535	mg/L	-1	±20.00 %	7/24/24 9:20

Report Prepared For:

Parsons

Client Project Description:

RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

ATL Work Order: 2401176

Date of Preparation: 07-24-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401176

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July 24, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401176

Client Reference : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Enclosed are the results for sample(s) received on July 12, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/24/24 17:28 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/24/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RP0638B-WC-A1A2	2401176-01	Soil	7/12/24 11:04	7/12/24 14:50
RP0638B-WC-A1A2A3	2401176-02	Soil	7/12/24 11:10	7/12/24 14:50

Certificate of Analysis

Parsons		Project Number :	RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/24/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 12th, 2024 at 14:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B16	Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

Client Sample ID: RP0638B-WC-A1A2
Lab ID: 2401176-01

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.8**	2.0	0.77	1	B4G0756	07/12/2024	07/23/24 22:40	
Arsenic	**3.9**	2.0	0.71	1	B4G0756	07/12/2024	07/23/24 22:40	
Cadmium	**1.3**	1.0	0.06	1	B4G0756	07/12/2024	07/23/24 22:40	
Copper	**50**	1.0	0.22	1	B4G0756	07/12/2024	07/23/24 22:40	
Lead	**120**	1.0	0.18	1	B4G0756	07/12/2024	07/23/24 22:40	
Zinc	**270**	2.0	0.30	1	B4G0756	07/12/2024	07/23/24 22:40	

Client Sample ID: RP0638B-WC-A1A2A3
Lab ID: 2401176-02

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.6**	2.0	0.77	1	B4G0756	07/12/2024	07/23/24 22:42	
Arsenic	**2.4**	2.0	0.71	1	B4G0756	07/12/2024	07/23/24 22:42	
Cadmium	**0.67**	1.0	0.06	1	B4G0756	07/12/2024	07/23/24 22:42	J
Copper	**27**	1.0	0.22	1	B4G0756	07/12/2024	07/23/24 22:42	
Lead	**30**	1.0	0.18	1	B4G0756	07/12/2024	07/23/24 22:42	
Zinc	**89**	2.0	0.30	1	B4G0756	07/12/2024	07/23/24 22:42	

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0756 - EPA 3050B_S										
Blank (B4G0756-BLK1)						Prepared: 7/14/2024 Analyzed: 7/23/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0756-BS1)						Prepared: 7/14/2024 Analyzed: 7/23/2024				
Antimony	23.7936	2.0	0.77	25.0000		95.2	80 - 120			
Arsenic	24.3607	2.0	0.71	25.0000		97.4	80 - 120			
Cadmium	22.4905	1.0	0.06	25.0000		90.0	80 - 120			
Copper	23.9087	1.0	0.22	25.0000		95.6	80 - 120			
Lead	22.7272	1.0	0.18	25.0000		90.9	80 - 120			
Zinc	25.1564	2.0	0.30	25.0000		101	80 - 120			
Matrix Spike (B4G0756-MS1)			**Source: 2401170-01**			Prepared: 7/15/2024 Analyzed: 7/23/2024				
Antimony	21.5594	2.0	0.77	25.0000	3.72802	71.3	75 - 125			M2
Arsenic	30.4616	2.0	0.71	25.0000	5.73686	98.9	75 - 125			
Cadmium	22.2075	1.0	0.06	25.0000	0.867400	85.4	75 - 125			
Copper	59.0168	1.0	0.22	25.0000	27.1673	127	75 - 125			M2
Lead	145.434	1.0	0.18	25.0000	106.726	155	75 - 125			M2
Zinc	221.792	2.0	0.30	25.0000	169.913	208	75 - 125			M2
Matrix Spike Dup (B4G0756-MSD1)			**Source: 2401170-01**			Prepared: 7/15/2024 Analyzed: 7/23/2024				
Antimony	21.7337	2.0	0.77	25.0000	3.72802	72.0	75 - 125	0.805	20	M2
Arsenic	30.1034	2.0	0.71	25.0000	5.73686	97.5	75 - 125	1.18	20	
Cadmium	23.0377	1.0	0.06	25.0000	0.867400	88.7	75 - 125	3.67	20	
Copper	60.0204	1.0	0.22	25.0000	27.1673	131	75 - 125	1.69	20	M2
Lead	152.236	1.0	0.18	25.0000	106.726	182	75 - 125	4.57	20	M2
Zinc	226.358	2.0	0.30	25.0000	169.913	226	75 - 125	2.04	20	M2

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/24/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0756 - EPA 3050B_S									
Post Spike (B4G0756-PS1)			**Source: 2401170-01**		Prepared: 7/14/2024 Analyzed: 7/23/2024				
Antimony	0.480922		0.500000	0.074560	81.3	75 - 125			
Arsenic	0.549109		0.500000	0.114737	86.9	75 - 125			
Cadmium	0.456931		0.500000	0.017348	87.9	75 - 125			
Copper	1.16134		0.500000	0.543346	124	75 - 125			
Lead	2.99130		0.500000	2.13453	171	75 - 125			M2
Zinc	4.74524		0.500000	3.39825	269	75 - 125			M2

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐GSO ☐Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:
	City: Pasadena	State: CA	Zip: 91124	Fax:

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 1240 S McBride Ave, Los Angeles CA 90022
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: RP0638B
PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaNO3	Remarks
1	1	RP0638B-WC-A1A2	RP0638B-WC	7/12/2024	1104	x	x	x		1	5	1		
2	2	RP0638B-WC-A1A2A3	RP0638B-WC	7/12/2024	1110	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/12/24	1400	Kathryn	7-12-24	1400
Kathryn	7-12-24	1420		7/12/24	1420
C. L	7/12/24	1450	Jhon	7/12/24	14:50

Table of Contents

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
RP0638B-WC-A1A2	2401176-01
RP0638B-WC-A1A2A3	2401176-02

Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401176

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	07/19/2024 20:00	Received in Lab:	07/12/2024 14:50
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401176-01 RP0638B-WC-A1A2 [Soil] Sampled 07/12/2024 11:04			
6010_Exide_6 Metals Ver: NONE	07/19/2024 20:00	01/08/2025 00:00	1
2401176-02 RP0638B-WC-A1A2A3 [Soil] Sampled 07/12/2024 11:10			
6010_Exide_6 Metals Ver: NONE	07/19/2024 20:00	01/08/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401176

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-01 | Laboratory ID: RP0638B-WC-A1A2

Sampled: 07/12/24 11:04 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:40

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.8	0.77	2.0	1	
7440-38-2	Arsenic	3.9	0.71	2.0	1	
7440-43-9	Cadmium	1.3	0.06	1.0	1	
7440-50-8	Copper	50	0.22	1.0	1	
7439-92-1	Lead	120	0.18	1.0	1	
7440-66-6	Zinc	270	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-02 | Laboratory ID: RP0638B-WC-A1A2A3

Sampled: 07/12/24 11:10 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:42

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.6	0.77	2.0	1	
7440-38-2	Arsenic	2.4	0.71	2.0	1	
7440-43-9	Cadmium	0.67	0.06	1.0	1	J
7440-50-8	Copper	27	0.22	1.0	1	
7439-92-1	Lead	30	0.18	1.0	1	
7440-66-6	Zinc	89	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401176
Client:	Parsons	Project:	RP0638B - 1240 S McBride Ave, Los Angeles, C
Batch:	B4G0756 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
RP0638B-WC-A1A2	2401176-01	07/12/24 18:00	1.00	50
RP0638B-WC-A1A2A3	2401176-02	07/12/24 18:00	1.00	50
Blank	B4G0756-BLK1	07/14/24 19:57	1.00	50
LCS	B4G0756-BS1	07/14/24 19:57	1.00	50
Matrix Spike	B4G0756-MS1	07/15/24 10:10	1.00	50
Matrix Spike Dup	B4G0756-MSD1	07/15/24 10:10	1.00	50
Dilution Check	B4G0756-SRL1	07/14/24 19:57	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0756

Extraction Method: EPA 3050B_S

Batch Start Date: 07/15/2024 11:45 **Batch Analyst:** DL2

Analysis Method: EPA 6010B

Batch End Date: 07/15/2024 13:55

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401176-01	RP0638B-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401176-02	RP0638B-WC-A1A2 A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0756-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0756-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0756-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401170-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0756-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401170-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0756-SRL1	Dilution Check	1.00	50.00			2401170-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4D0549	Concentrated Hydrochloric Acid	4123090
A4G0395	Hydrogen Peroxide	K54376509
A4G0398	Concentrated Nitric Acid	240238
A4F0571	1:1 Nitric Acid	NA

Equipment Used

Type	Equipment ID	LotNum
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718
Thermometer ID	MPTHERM 09	935128
Digestion Unit	DB01	4507CEC2139
Pipette	MPP01	22E77439
Dispenser ID	MPDISP02	347844
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP01	04K58398

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0756

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0756-BLK1	Antimony	0.217539	0.77	2.0	07/23/24 22:07	U	EPA 6010B
	Arsenic	0.106355	0.71	2.0	07/23/24 22:07	U	EPA 6010B
	Cadmium	-0.547802	0.06	1.0	07/23/24 22:07	U	EPA 6010B
	Copper	-0.031267	0.22	1.0	07/23/24 22:07	U	EPA 6010B
	Lead	-0.069674	0.18	1.0	07/23/24 22:07	U	EPA 6010B
	Zinc	-0.746162	0.30	2.0	07/23/24 22:07	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0756
Concentration Units: mg/kg

Laboratory ID: B4G0756-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	23.7936	25.0000	95.2		80 - 120
Arsenic	24.3607	25.0000	97.4		80 - 120
Cadmium	22.4905	25.0000	90.0		80 - 120
Copper	23.9087	25.0000	95.6		80 - 120
Lead	22.7272	25.0000	90.9		80 - 120
Zinc	25.1564	25.0000	101		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0756
Concentration Units: mg/kg
Source Sample Name: **2401170-01**

Laboratory ID: B4G0756-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	3.72802	21.5594	25.0000	71.3	M2	75 - 125
Arsenic	5.73686	30.4616	25.0000	98.9		75 - 125
Cadmium	0.867400	22.2075	25.0000	85.4		75 - 125
Copper	27.1673	59.0168	25.0000	127	M2	75 - 125
Lead	106.726	145.434	25.0000	155	M2	75 - 125
Zinc	169.913	221.792	25.0000	208	M2	75 - 125

Laboratory ID: B4G0756-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	21.7337	72.0	0.805	25.0000	M2	20	75 - 125
Arsenic	30.1034	97.5	1.18	25.0000		20	75 - 125
Cadmium	23.0377	88.7	3.67	25.0000		20	75 - 125
Copper	60.0204	131	1.69	25.0000	M2	20	75 - 125
Lead	152.236	182	4.57	25.0000	M2	20	75 - 125
Zinc	226.358	226	2.04	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0756

Concentration Units: mg/L

Source Sample Name: **2401170-01**

Laboratory ID: B4G0756-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0756-PS1						
Antimony	0.074560	0.480922	0.500000	81.3		75 - 125
Arsenic	0.114737	0.549109	0.500000	86.9		75 - 125
Cadmium	0.017348	0.456931	0.500000	87.9		75 - 125
Copper	0.543346	1.16134	0.500000	124		75 - 125
Lead	2.13453	2.99130	0.500000	171	M2	75 - 125
Zinc	3.39825	4.74524	0.500000	269	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4G0618

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0618-IBL1	240723-01 RR-001	07/23/24 11:29
Cal Standard	S4G0618-CAL1	240723-01 RR-002	07/23/24 11:31
Cal Standard	S4G0618-CAL2	240723-01 RR-003	07/23/24 11:34
Cal Standard	S4G0618-CAL3	240723-01 RR-004	07/23/24 11:36
Cal Standard	S4G0618-CAL4	240723-01 RR-005	07/23/24 11:38
Cal Standard	S4G0618-CAL5	240723-01 RR-006	07/23/24 11:40
Cal Standard	S4G0618-CAL6	240723-01 RR-007	07/23/24 11:42
Cal Standard	S4G0618-CAL7	240723-01 RR-008	07/23/24 11:45
Initial Cal Check	S4G0618-ICV1	240723-01 RR-009	07/23/24 11:54
Initial Cal Blank	S4G0618-ICB1	240723-01 RR-010	07/23/24 11:56
Interference Check A	S4G0618-IFA1	240723-01 RR-012	07/23/24 12:02
Interference Check B	S4G0618-IFB1	240723-01 RR-013	07/23/24 12:04
Calibration Check	S4G0618-CCV3	240723-01 RR-037	07/23/24 16:11
Calibration Blank	S4G0618-CCB3	240723-01 RR-038	07/23/24 16:13
Calibration Check	S4G0618-CCVG	240723-01 RR-194	07/23/24 21:57
Calibration Blank	S4G0618-CCBG	240723-01 RR-195	07/23/24 21:59
Blank	B4G0756-BLK1	240723-01 RR-199	07/23/24 22:07
LCS	B4G0756-BS1	240723-01 RR-200	07/23/24 22:09
Matrix Spike	B4G0756-MS1	240723-01 RR-201	07/23/24 22:12
Matrix Spike Dup	B4G0756-MSD1	240723-01 RR-202	07/23/24 22:14
Post Spike	B4G0756-PS1	240723-01 RR-203	07/23/24 22:15
Dilution Check	B4G0756-SRL1	240723-01 RR-204	07/23/24 22:17
Calibration Check	S4G0618-CCVH	240723-01 RR-206	07/23/24 22:22
Calibration Blank	S4G0618-CCBH	240723-01 RR-207	07/23/24 22:24
RP0638B-WC-A1A2	2401176-01	240723-01 RR-213	07/23/24 22:40
RP0638B-WC-A1A2A3	2401176-02	240723-01 RR-214	07/23/24 22:42
Calibration Check	S4G0618-CCVI	240723-01 RR-218	07/23/24 22:50
Calibration Blank	S4G0618-CCBI	240723-01 RR-219	07/23/24 22:52

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0618-ICV1	Antimony	0.500000	0.510697	102	07/23/24 11:54	+/- 10.00%
	Arsenic	0.500000	0.524553	105	07/23/24 11:54	+/- 10.00%
	Cadmium	0.500000	0.515796	103	07/23/24 11:54	+/- 10.00%
	Copper	0.500000	0.508044	102	07/23/24 11:54	+/- 10.00%
	Lead	0.500000	0.530972	106	07/23/24 11:54	+/- 10.00%
	Zinc	0.500000	0.532507	107	07/23/24 11:54	+/- 10.00%
S4G0618-CCV3	Antimony	2.00000	1.95275	97.6	07/23/24 16:11	+/- 10.00%
	Arsenic	2.00000	1.98807	99.4	07/23/24 16:11	+/- 10.00%
	Cadmium	2.00000	2.14135	107	07/23/24 16:11	+/- 10.00%
	Copper	2.00000	2.08041	104	07/23/24 16:11	+/- 10.00%
	Lead	2.00000	1.91400	95.7	07/23/24 16:11	+/- 10.00%
	Zinc	2.00000	2.04638	102	07/23/24 16:11	+/- 10.00%
S4G0618-CCVG	Antimony	2.00000	1.89695	94.8	07/23/24 21:57	+/- 10.00%
	Arsenic	2.00000	1.94241	97.1	07/23/24 21:57	+/- 10.00%
	Cadmium	2.00000	1.97093	98.5	07/23/24 21:57	+/- 10.00%
	Copper	2.00000	2.03179	102	07/23/24 21:57	+/- 10.00%
	Lead	2.00000	1.86639	93.3	07/23/24 21:57	+/- 10.00%
	Zinc	2.00000	1.96299	98.1	07/23/24 21:57	+/- 10.00%
S4G0618-CCVH	Antimony	2.00000	1.89078	94.5	07/23/24 22:22	+/- 10.00%
	Arsenic	2.00000	1.90466	95.2	07/23/24 22:22	+/- 10.00%
	Cadmium	2.00000	1.98039	99.0	07/23/24 22:22	+/- 10.00%
	Copper	2.00000	2.03493	102	07/23/24 22:22	+/- 10.00%
	Lead	2.00000	1.83308	91.7	07/23/24 22:22	+/- 10.00%
	Zinc	2.00000	1.95827	97.9	07/23/24 22:22	+/- 10.00%
S4G0618-CCVI	Antimony	2.00000	1.88507	94.3	07/23/24 22:50	+/- 10.00%
	Arsenic	2.00000	1.89526	94.8	07/23/24 22:50	+/- 10.00%
	Cadmium	2.00000	1.95888	97.9	07/23/24 22:50	+/- 10.00%
	Copper	2.00000	2.01964	101	07/23/24 22:50	+/- 10.00%
	Lead	2.00000	1.84821	92.4	07/23/24 22:50	+/- 10.00%
	Zinc	2.00000	1.93470	96.7	07/23/24 22:50	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0618

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0618-ICB1	Antimony	0.014590	0.02	0.04	07/23/24 11:56		EPA 6010B
	Arsenic	0.007974	0.01	0.04	07/23/24 11:56		EPA 6010B
	Cadmium	-0.007649	0.001	0.02	07/23/24 11:56	U	EPA 6010B
	Copper	-0.002510	0.004	0.02	07/23/24 11:56	U	EPA 6010B
	Lead	0.012560	0.004	0.02	07/23/24 11:56	B16	EPA 6010B
	Zinc	-0.019178	0.006	0.04	07/23/24 11:56	U	EPA 6010B
S4G0618-CCB3	Antimony	0.000831	0.02	0.04	07/23/24 16:13		EPA 6010B
	Arsenic	0.005144	0.01	0.04	07/23/24 16:13		EPA 6010B
	Cadmium	-0.011988	0.001	0.02	07/23/24 16:13	U	EPA 6010B
	Copper	-0.000100	0.004	0.02	07/23/24 16:13	U	EPA 6010B
	Lead	-0.002628	0.004	0.02	07/23/24 16:13	U	EPA 6010B
	Zinc	-0.018901	0.006	0.04	07/23/24 16:13	U	EPA 6010B
S4G0618-CCBG	Antimony	0.008171	0.02	0.04	07/23/24 21:59		EPA 6010B
	Arsenic	0.004182	0.01	0.04	07/23/24 21:59		EPA 6010B
	Cadmium	-0.010624	0.001	0.02	07/23/24 21:59	U	EPA 6010B
	Copper	-0.001044	0.004	0.02	07/23/24 21:59	U	EPA 6010B
	Lead	-0.001556	0.004	0.02	07/23/24 21:59	U	EPA 6010B
	Zinc	-0.016976	0.006	0.04	07/23/24 21:59	U	EPA 6010B
S4G0618-CCBH	Antimony	0.002686	0.02	0.04	07/23/24 22:24		EPA 6010B
	Arsenic	0.009993	0.01	0.04	07/23/24 22:24		EPA 6010B
	Cadmium	-0.011126	0.001	0.02	07/23/24 22:24	U	EPA 6010B
	Copper	-0.000256	0.004	0.02	07/23/24 22:24	U	EPA 6010B
	Lead	-0.000217	0.004	0.02	07/23/24 22:24	U	EPA 6010B
	Zinc	-0.016130	0.006	0.04	07/23/24 22:24	U	EPA 6010B
S4G0618-CCBI	Antimony	-1.2906E-3	0.02	0.04	07/23/24 22:52	U	EPA 6010B
	Arsenic	0.006208	0.01	0.04	07/23/24 22:52		EPA 6010B
	Cadmium	-0.010312	0.001	0.02	07/23/24 22:52	U	EPA 6010B
	Copper	-0.001169	0.004	0.02	07/23/24 22:52	U	EPA 6010B
	Lead	0.002614	0.004	0.02	07/23/24 22:52		EPA 6010B
	Zinc	-0.015031	0.006	0.04	07/23/24 22:52	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0618-IFA1	Antimony		0.02003	mg/L		<0.04	7/23/24 12:02
	Arsenic		0.00849	mg/L		<0.04	7/23/24 12:02
	Cadmium		-0.00391	mg/L		<0.02	7/23/24 12:02
	Copper		-0.01061	mg/L		<0.02	7/23/24 12:02
	Lead		-0.03475	mg/L		<0.02	7/23/24 12:02
	Zinc		-0.02242	mg/L		<0.04	7/23/24 12:02

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0618-IFB1	Antimony	0.500000	0.49209	mg/L	2	±20.00 %	7/23/24 12:04
	Arsenic	0.500000	0.49529	mg/L	1	±20.00 %	7/23/24 12:04
	Cadmium	0.500000	0.50218	mg/L	0	±20.00 %	7/23/24 12:04
	Copper	0.500000	0.51658	mg/L	-3	±20.00 %	7/23/24 12:04
	Lead	0.500000	0.45881	mg/L	8	±20.00 %	7/23/24 12:04
	Zinc	0.500000	0.44412	mg/L	11	±20.00 %	7/23/24 12:04

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐SO ☐Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA / Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		EDD: Excel ☐ EDF ☐ Equis ☐ / QA/QC: Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State: / Zip:	

Project Name: DTSC Exide Residential
Site Address: 1240 S McBride Ave, Los Angeles CA 90022
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: RP0638B
PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaOH+ZnAc2	Remarks
1	1	RP0638B-WC-A1A2	RP0638B-WC	7/12/2024	1104	x	x	x		1	5	1		
2	2	RP0638B-WC-A1A2A3	RP0638B-WC	7/12/2024	1110	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/12/24	1400	Kathryn	7-12-24	1400
Kathryn	7-12-24	1420		7/12/24	1420
C. L	7/12/24	1450	Jhon	7/12/24	14:50

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0417
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0417 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0418
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0418 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0419
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0419 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0420
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0420 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0421
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0421 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0422
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0422 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0423
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0423 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0424
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0424 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

Report Prepared For:

Parsons

Client Project Description:

RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

ATL Work Order: 2401176

Date of Preparation: 08-05-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Client Project Name: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Work Order Number: 2401176

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August 05, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401176

Client Reference : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Enclosed are the results for sample(s) received on July 12, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/05/24 17:09 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/05/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RP0638B-WC-A1A2	2401176-01	Soil	7/12/24 11:04	7/12/24 14:50
RP0638B-WC-A1A2A3	2401176-02	Soil	7/12/24 11:10	7/12/24 14:50

Certificate of Analysis

Parsons		Project Number :	RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/05/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 12th, 2024 at 14:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/05/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B16	Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons		Project Number :	RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/05/2024

TCLP Metals by ICP-AES EPA 6010B

Analyte: Lead **Analyst: NP**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401176-01	RP0638B-WC-A 1A2	**ND**	mg/L	0.10	0.020	5	B4G1024	07/31/2024	08/01/24 17:32	U

STLC Metals by ICP-AES by EPA 6010B

Analyte: Lead **Analyst: NP**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401176-01	RP0638B-WC-A 1A2	**4.7**	mg/L	0.10	0.020	5	B4H0516	08/02/2024	08/02/24 23:22	

Client Sample ID: RP0638B-WC-A1A2

Lab ID: 2401176-01

Total Metals by ICP-AES EPA 6010B

Analyst: NP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.8**	2.0	0.77	1	B4G0756	07/12/2024	07/23/24 22:40	
Arsenic	**3.9**	2.0	0.71	1	B4G0756	07/12/2024	07/23/24 22:40	
Cadmium	**1.3**	1.0	0.06	1	B4G0756	07/12/2024	07/23/24 22:40	
Copper	**50**	1.0	0.22	1	B4G0756	07/12/2024	07/23/24 22:40	
Lead	**120**	1.0	0.18	1	B4G0756	07/12/2024	07/23/24 22:40	
Zinc	**270**	2.0	0.30	1	B4G0756	07/12/2024	07/23/24 22:40	

Certificate of Analysis

Parsons		Project Number :	RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/05/2024

Client Sample ID: RP0638B-WC-A1A2A3

Lab ID: 2401176-02

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.6**	2.0	0.77	1	B4G0756	07/12/2024	07/23/24 22:42	
Arsenic	**2.4**	2.0	0.71	1	B4G0756	07/12/2024	07/23/24 22:42	
Cadmium	**0.67**	1.0	0.06	1	B4G0756	07/12/2024	07/23/24 22:42	J
Copper	**27**	1.0	0.22	1	B4G0756	07/12/2024	07/23/24 22:42	
Lead	**30**	1.0	0.18	1	B4G0756	07/12/2024	07/23/24 22:42	
Zinc	**89**	2.0	0.30	1	B4G0756	07/12/2024	07/23/24 22:42	

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/05/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0756 - EPA 3050B_S										
Blank (B4G0756-BLK1)						Prepared: 7/14/2024 Analyzed: 7/23/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0756-BS1)						Prepared: 7/14/2024 Analyzed: 7/23/2024				
Antimony	23.7936	2.0	0.77	25.0000		95.2	80 - 120			
Arsenic	24.3607	2.0	0.71	25.0000		97.4	80 - 120			
Cadmium	22.4905	1.0	0.06	25.0000		90.0	80 - 120			
Copper	23.9087	1.0	0.22	25.0000		95.6	80 - 120			
Lead	22.7272	1.0	0.18	25.0000		90.9	80 - 120			
Zinc	25.1564	2.0	0.30	25.0000		101	80 - 120			
Matrix Spike (B4G0756-MS1)			**Source: 2401170-01**			Prepared: 7/15/2024 Analyzed: 7/23/2024				
Antimony	21.5594	2.0	0.77	25.0000	3.72802	71.3	75 - 125			M2
Arsenic	30.4616	2.0	0.71	25.0000	5.73686	98.9	75 - 125			
Cadmium	22.2075	1.0	0.06	25.0000	0.867400	85.4	75 - 125			
Copper	59.0168	1.0	0.22	25.0000	27.1673	127	75 - 125			M2
Lead	145.434	1.0	0.18	25.0000	106.726	155	75 - 125			M2
Zinc	221.792	2.0	0.30	25.0000	169.913	208	75 - 125			M2
Matrix Spike Dup (B4G0756-MSD1)			**Source: 2401170-01**			Prepared: 7/15/2024 Analyzed: 7/23/2024				
Antimony	21.7337	2.0	0.77	25.0000	3.72802	72.0	75 - 125	0.805	20	M2
Arsenic	30.1034	2.0	0.71	25.0000	5.73686	97.5	75 - 125	1.18	20	
Cadmium	23.0377	1.0	0.06	25.0000	0.867400	88.7	75 - 125	3.67	20	
Copper	60.0204	1.0	0.22	25.0000	27.1673	131	75 - 125	1.69	20	M2
Lead	152.236	1.0	0.18	25.0000	106.726	182	75 - 125	4.57	20	M2
Zinc	226.358	2.0	0.30	25.0000	169.913	226	75 - 125	2.04	20	M2

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/05/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0756 - EPA 3050B_S									
Post Spike (B4G0756-PS1)			**Source: 2401170-01**		Prepared: 7/14/2024 Analyzed: 7/23/2024				
Antimony	0.480922		0.500000	0.074560	81.3	75 - 125			
Arsenic	0.549109		0.500000	0.114737	86.9	75 - 125			
Cadmium	0.456931		0.500000	0.017348	87.9	75 - 125			
Copper	1.16134		0.500000	0.543346	124	75 - 125			
Lead	2.99130		0.500000	2.13453	171	75 - 125			M2
Zinc	4.74524		0.500000	3.39825	269	75 - 125			M2

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/05/2024

TCLP Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G1024 - EPA 3010A_TCLP_S										
Blank (B4G1024-BLK1)						Prepared: 7/31/2024 Analyzed: 7/31/2024				
Lead	ND	0.10	0.020							U
LCS (B4G1024-BS1)						Prepared: 7/31/2024 Analyzed: 7/31/2024				
Lead	0.450904	0.10	0.020	0.500000		90.2	80 - 120			
Matrix Spike (B4G1024-MS1)			**Source: 2401172-01**			Prepared: 7/31/2024 Analyzed: 7/31/2024				
Lead	0.517996	0.10	0.020	0.500000	ND	104	75 - 125			
Matrix Spike Dup (B4G1024-MSD1)			**Source: 2401172-01**			Prepared: 7/31/2024 Analyzed: 7/31/2024				
Lead	0.469832	0.10	0.020	0.500000	ND	94.0	75 - 125	9.75	20	
Post Spike (B4G1024-PS1)			**Source: 2401172-01**			Prepared: 7/31/2024 Analyzed: 8/1/2024				
Lead	0.551469			0.500000	-0.011698	110	75 - 125			

Certificate of Analysis

Parsons	Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/05/2024

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4H0516 - STLC_S Extraction										
Blank (B4H0516-BLK1)						Prepared: 8/2/2024 Analyzed: 8/2/2024				
Lead	ND	0.10	0.020							U
LCS (B4H0516-BS1)						Prepared: 8/2/2024 Analyzed: 8/2/2024				
Lead	0.464536	0.10	0.020	0.500000		92.9	80 - 120			
Matrix Spike (B4H0516-MS1)			**Source: 2400776-02**			Prepared: 8/2/2024 Analyzed: 8/2/2024				
Lead	1.84342	0.10	0.020	0.500000	2.52645	-137	75 - 125			M2
Matrix Spike Dup (B4H0516-MSD1)			**Source: 2400776-02**			Prepared: 8/2/2024 Analyzed: 8/2/2024				
Lead	1.81984	0.10	0.020	0.500000	2.52645	-141	75 - 125	1.29	20	M2
Post Spike (B4H0516-PS1)			**Source: 2400776-02**			Prepared: 8/2/2024 Analyzed: 8/2/2024				
Lead	2.87441			0.500000	2.52645	69.6	75 - 125			M2

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐GSO ☐Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA / Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State:	Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential	Quote #:	
Site Address: 1240 S McBride Ave, Los Angeles CA 90022	Site ID: RP0638B	
Project No.: 684735	PO #:	
Sampler: Brenda Ballesteros		

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type	Material	Preservative	Remarks
1	1	RP0638B-WC-A1A2	RP0638B-WC	7/12/2024	1104	x	x	x		1	5	1		
2	2	RP0638B-WC-A1A2A3	RP0638B-WC	7/12/2024	1110	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

Requested Analysis / Sample Matrix / Container

Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister
Material: 1=Glass; 2=Plastic; 3=Metal
Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaS2O3

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/12/24	1400		7-12-24	1400
	7-12-24	1420		7/12/24	1420
	7/12/24	1450		7/12/24	14:50

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Monday, July 29, 2024 1:33 PM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. RP0638B-WC-A1A2 (LAB REPORT 2401176): STLC and TCLP for lead
2. PIA-06096-WC-A1A2 (LAB REPORT 2401174): STLC and TCLP for lead
3. PIA-06096-WC-A1A2A3 (LAB REPORT 2401174): STLC for lead
4. E0474-WC-A1A2 (LAB REPORT 2401180): STLC and TCLP for lead
5. E0474-WC-A1A2A3 (LAB REPORT 2401180): STLC and TCLP for lead
6. RP2759B-WC-A1A2 (LAB REPORT 2401172): STLC and TCLP for lead
7. D1431-WC-A1A2 (LAB REPORT 2401170): STLC and TCLP for lead
8. D1431-WC-A1A2A3 (LAB REPORT 2401170): STLC for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401176

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	08/05/2024 20:00	Received in Lab:	07/12/2024 14:50
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401176-01 RP0638B-WC-A1A2 [Soil] Sampled 07/12/2024 11:04			
6010_TCLP Ver: Pb	08/05/2024 20:00	01/08/2025 00:00	
6010_STLC Ver: Pb	08/05/2024 20:00	01/08/2025 00:00	
6010_Exide_6 Metals Ver: NONE	08/05/2024 20:00	01/08/2025 00:00	1
2401176-02 RP0638B-WC-A1A2A3 [Soil] Sampled 07/12/2024 11:10			
6010_Exide_6 Metals Ver: NONE	08/05/2024 20:00	01/08/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401176

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
RP0638B-WC-A1A2	2401176-01
RP0638B-WC-A1A2A3	2401176-02

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-01 | Laboratory ID: RP0638B-WC-A1A2

Sampled: 07/12/24 11:04 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:40

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.8	0.77	2.0	1	
7440-38-2	Arsenic	3.9	0.71	2.0	1	
7440-43-9	Cadmium	1.3	0.06	1.0	1	
7440-50-8	Copper	50	0.22	1.0	1	
7439-92-1	Lead	120	0.18	1.0	1	
7440-66-6	Zinc	270	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-02 | Laboratory ID: RP0638B-WC-A1A2A3

Sampled: 07/12/24 11:10 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:42

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.6	0.77	2.0	1	
7440-38-2	Arsenic	2.4	0.71	2.0	1	
7440-43-9	Cadmium	0.67	0.06	1.0	1	J
7440-50-8	Copper	27	0.22	1.0	1	
7439-92-1	Lead	30	0.18	1.0	1	
7440-66-6	Zinc	89	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401176
Client:	Parsons	Project:	RP0638B - 1240 S McBride Ave, Los Angeles, C
Batch:	B4G0756 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
RP0638B-WC-A1A2	2401176-01	07/12/24 18:00	1.00	50
RP0638B-WC-A1A2A3	2401176-02	07/12/24 18:00	1.00	50
Blank	B4G0756-BLK1	07/14/24 19:57	1.00	50
LCS	B4G0756-BS1	07/14/24 19:57	1.00	50
Matrix Spike	B4G0756-MS1	07/15/24 10:10	1.00	50
Matrix Spike Dup	B4G0756-MSD1	07/15/24 10:10	1.00	50
Dilution Check	B4G0756-SRL1	07/14/24 19:57	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0756

Extraction Method: EPA 3050B_S

Batch Start Date: 07/15/2024 11:45 **Batch Analyst:** DL2

Analysis Method: EPA 6010B

Batch End Date: 07/15/2024 13:55

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401176-01	RP0638B-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401176-02	RP0638B-WC-A1A2 A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0756-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0756-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0756-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401170-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0756-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401170-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0756-SRL1	Dilution Check	1.00	50.00			2401170-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4G0398	Concentrated Nitric Acid	240238
A4F0571	1:1 Nitric Acid	NA
A4G0395	Hydrogen Peroxide	K54376509
A4D0549	Concentrated Hydrochloric Acid	4123090

Equipment Used

Type	Equipment ID	LotNum
Thermometer ID	MPTHERM 09	935128
Digestion Unit	DB01	4507CEC2139
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718
Pipette	MPP01	22E77439
Dispenser ID	MPDISP01	04K58398
Dispenser ID	MPDISP02	347844

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0756

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0756-BLK1	Antimony	0.217539	0.77	2.0	07/23/24 22:07	U	EPA 6010B
	Arsenic	0.106355	0.71	2.0	07/23/24 22:07	U	EPA 6010B
	Cadmium	-0.547802	0.06	1.0	07/23/24 22:07	U	EPA 6010B
	Copper	-0.031267	0.22	1.0	07/23/24 22:07	U	EPA 6010B
	Lead	-0.069674	0.18	1.0	07/23/24 22:07	U	EPA 6010B
	Zinc	-0.746162	0.30	2.0	07/23/24 22:07	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0756
Concentration Units: mg/kg

Laboratory ID: B4G0756-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	23.7936	25.0000	95.2		80 - 120
Arsenic	24.3607	25.0000	97.4		80 - 120
Cadmium	22.4905	25.0000	90.0		80 - 120
Copper	23.9087	25.0000	95.6		80 - 120
Lead	22.7272	25.0000	90.9		80 - 120
Zinc	25.1564	25.0000	101		80 - 120

Instrument QC

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0756

Concentration Units: mg/L

Source Sample Name: **2401170-01**

Laboratory ID: B4G0756-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0756-PS1						
Antimony	0.074560	0.480922	0.500000	81.3		75 - 125
Arsenic	0.114737	0.549109	0.500000	86.9		75 - 125
Cadmium	0.017348	0.456931	0.500000	87.9		75 - 125
Copper	0.543346	1.16134	0.500000	124		75 - 125
Lead	2.13453	2.99130	0.500000	171	M2	75 - 125
Zinc	3.39825	4.74524	0.500000	269	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4G0618

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0618-IBL1	240723-01 RR-001	07/23/24 11:29
Cal Standard	S4G0618-CAL1	240723-01 RR-002	07/23/24 11:31
Cal Standard	S4G0618-CAL2	240723-01 RR-003	07/23/24 11:34
Cal Standard	S4G0618-CAL3	240723-01 RR-004	07/23/24 11:36
Cal Standard	S4G0618-CAL4	240723-01 RR-005	07/23/24 11:38
Cal Standard	S4G0618-CAL5	240723-01 RR-006	07/23/24 11:40
Cal Standard	S4G0618-CAL6	240723-01 RR-007	07/23/24 11:42
Cal Standard	S4G0618-CAL7	240723-01 RR-008	07/23/24 11:45
Initial Cal Check	S4G0618-ICV1	240723-01 RR-009	07/23/24 11:54
Initial Cal Blank	S4G0618-ICB1	240723-01 RR-010	07/23/24 11:56
Interference Check A	S4G0618-IFA1	240723-01 RR-012	07/23/24 12:02
Interference Check B	S4G0618-IFB1	240723-01 RR-013	07/23/24 12:04
Calibration Check	S4G0618-CCV3	240723-01 RR-037	07/23/24 16:11
Calibration Blank	S4G0618-CCB3	240723-01 RR-038	07/23/24 16:13
Calibration Check	S4G0618-CCVG	240723-01 RR-194	07/23/24 21:57
Calibration Blank	S4G0618-CCBG	240723-01 RR-195	07/23/24 21:59
Blank	B4G0756-BLK1	240723-01 RR-199	07/23/24 22:07
LCS	B4G0756-BS1	240723-01 RR-200	07/23/24 22:09
Matrix Spike	B4G0756-MS1	240723-01 RR-201	07/23/24 22:12
Matrix Spike Dup	B4G0756-MSD1	240723-01 RR-202	07/23/24 22:14
Post Spike	B4G0756-PS1	240723-01 RR-203	07/23/24 22:15
Dilution Check	B4G0756-SRL1	240723-01 RR-204	07/23/24 22:17
Calibration Check	S4G0618-CCVH	240723-01 RR-206	07/23/24 22:22
Calibration Blank	S4G0618-CCBH	240723-01 RR-207	07/23/24 22:24
RP0638B-WC-A1A2	2401176-01	240723-01 RR-213	07/23/24 22:40
RP0638B-WC-A1A2A3	2401176-02	240723-01 RR-214	07/23/24 22:42
Calibration Check	S4G0618-CCVI	240723-01 RR-218	07/23/24 22:50
Calibration Blank	S4G0618-CCBI	240723-01 RR-219	07/23/24 22:52

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0618-ICV1	Antimony	0.500000	0.510697	102	07/23/24 11:54	+/- 10.00%
	Arsenic	0.500000	0.524553	105	07/23/24 11:54	+/- 10.00%
	Cadmium	0.500000	0.515796	103	07/23/24 11:54	+/- 10.00%
	Copper	0.500000	0.508044	102	07/23/24 11:54	+/- 10.00%
	Lead	0.500000	0.530972	106	07/23/24 11:54	+/- 10.00%
	Zinc	0.500000	0.532507	107	07/23/24 11:54	+/- 10.00%
S4G0618-CCV3	Antimony	2.00000	1.95275	97.6	07/23/24 16:11	+/- 10.00%
	Arsenic	2.00000	1.98807	99.4	07/23/24 16:11	+/- 10.00%
	Cadmium	2.00000	2.14135	107	07/23/24 16:11	+/- 10.00%
	Copper	2.00000	2.08041	104	07/23/24 16:11	+/- 10.00%
	Lead	2.00000	1.91400	95.7	07/23/24 16:11	+/- 10.00%
	Zinc	2.00000	2.04638	102	07/23/24 16:11	+/- 10.00%
S4G0618-CCVG	Antimony	2.00000	1.89695	94.8	07/23/24 21:57	+/- 10.00%
	Arsenic	2.00000	1.94241	97.1	07/23/24 21:57	+/- 10.00%
	Cadmium	2.00000	1.97093	98.5	07/23/24 21:57	+/- 10.00%
	Copper	2.00000	2.03179	102	07/23/24 21:57	+/- 10.00%
	Lead	2.00000	1.86639	93.3	07/23/24 21:57	+/- 10.00%
	Zinc	2.00000	1.96299	98.1	07/23/24 21:57	+/- 10.00%
S4G0618-CCVH	Antimony	2.00000	1.89078	94.5	07/23/24 22:22	+/- 10.00%
	Arsenic	2.00000	1.90466	95.2	07/23/24 22:22	+/- 10.00%
	Cadmium	2.00000	1.98039	99.0	07/23/24 22:22	+/- 10.00%
	Copper	2.00000	2.03493	102	07/23/24 22:22	+/- 10.00%
	Lead	2.00000	1.83308	91.7	07/23/24 22:22	+/- 10.00%
	Zinc	2.00000	1.95827	97.9	07/23/24 22:22	+/- 10.00%
S4G0618-CCVI	Antimony	2.00000	1.88507	94.3	07/23/24 22:50	+/- 10.00%
	Arsenic	2.00000	1.89526	94.8	07/23/24 22:50	+/- 10.00%
	Cadmium	2.00000	1.95888	97.9	07/23/24 22:50	+/- 10.00%
	Copper	2.00000	2.01964	101	07/23/24 22:50	+/- 10.00%
	Lead	2.00000	1.84821	92.4	07/23/24 22:50	+/- 10.00%
	Zinc	2.00000	1.93470	96.7	07/23/24 22:50	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0618

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0618-ICB1	Antimony	0.014590	0.02	0.04	07/23/24 11:56		EPA 6010B
	Arsenic	0.007974	0.01	0.04	07/23/24 11:56		EPA 6010B
	Cadmium	-0.007649	0.001	0.02	07/23/24 11:56	U	EPA 6010B
	Copper	-0.002510	0.004	0.02	07/23/24 11:56	U	EPA 6010B
	Lead	0.012560	0.004	0.02	07/23/24 11:56	B16	EPA 6010B
	Zinc	-0.019178	0.006	0.04	07/23/24 11:56	U	EPA 6010B
S4G0618-CCB3	Antimony	0.000831	0.02	0.04	07/23/24 16:13		EPA 6010B
	Arsenic	0.005144	0.01	0.04	07/23/24 16:13		EPA 6010B
	Cadmium	-0.011988	0.001	0.02	07/23/24 16:13	U	EPA 6010B
	Copper	-0.000100	0.004	0.02	07/23/24 16:13	U	EPA 6010B
	Lead	-0.002628	0.004	0.02	07/23/24 16:13	U	EPA 6010B
	Zinc	-0.018901	0.006	0.04	07/23/24 16:13	U	EPA 6010B
S4G0618-CCBG	Antimony	0.008171	0.02	0.04	07/23/24 21:59		EPA 6010B
	Arsenic	0.004182	0.01	0.04	07/23/24 21:59		EPA 6010B
	Cadmium	-0.010624	0.001	0.02	07/23/24 21:59	U	EPA 6010B
	Copper	-0.001044	0.004	0.02	07/23/24 21:59	U	EPA 6010B
	Lead	-0.001556	0.004	0.02	07/23/24 21:59	U	EPA 6010B
	Zinc	-0.016976	0.006	0.04	07/23/24 21:59	U	EPA 6010B
S4G0618-CCBH	Antimony	0.002686	0.02	0.04	07/23/24 22:24		EPA 6010B
	Arsenic	0.009993	0.01	0.04	07/23/24 22:24		EPA 6010B
	Cadmium	-0.011126	0.001	0.02	07/23/24 22:24	U	EPA 6010B
	Copper	-0.000256	0.004	0.02	07/23/24 22:24	U	EPA 6010B
	Lead	-0.000217	0.004	0.02	07/23/24 22:24	U	EPA 6010B
	Zinc	-0.016130	0.006	0.04	07/23/24 22:24	U	EPA 6010B
S4G0618-CCBI	Antimony	-1.2906E-3	0.02	0.04	07/23/24 22:52	U	EPA 6010B
	Arsenic	0.006208	0.01	0.04	07/23/24 22:52		EPA 6010B
	Cadmium	-0.010312	0.001	0.02	07/23/24 22:52	U	EPA 6010B
	Copper	-0.001169	0.004	0.02	07/23/24 22:52	U	EPA 6010B
	Lead	0.002614	0.004	0.02	07/23/24 22:52		EPA 6010B
	Zinc	-0.015031	0.006	0.04	07/23/24 22:52	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0618-IFA1	Antimony		0.02003	mg/L		<0.04	7/23/24 12:02
	Arsenic		0.00849	mg/L		<0.04	7/23/24 12:02
	Cadmium		-0.00391	mg/L		<0.02	7/23/24 12:02
	Copper		-0.01061	mg/L		<0.02	7/23/24 12:02
	Lead		-0.03475	mg/L		<0.02	7/23/24 12:02
	Zinc		-0.02242	mg/L		<0.04	7/23/24 12:02

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0618-IFB1	Antimony	0.500000	0.49209	mg/L	2	±20.00 %	7/23/24 12:04
	Arsenic	0.500000	0.49529	mg/L	1	±20.00 %	7/23/24 12:04
	Cadmium	0.500000	0.50218	mg/L	0	±20.00 %	7/23/24 12:04
	Copper	0.500000	0.51658	mg/L	-3	±20.00 %	7/23/24 12:04
	Lead	0.500000	0.45881	mg/L	8	±20.00 %	7/23/24 12:04
	Zinc	0.500000	0.44412	mg/L	11	±20.00 %	7/23/24 12:04

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Sample Data

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-01 | Laboratory ID: RP0638B-WC-A1A2

Sampled: 07/12/24 11:04 | Prepared: 08/02/24 16:35 | Analyzed: 08/02/24 23:22

Batch: B4H0516 | Sequence: S4H0345 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4G1031 | Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	4.7	0.020	0.10	5	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401176
Client:	Parsons	Project:	RP0638B - 1240 S McBride Ave, Los Angeles, C
Batch:	B4H0516 Batch Matrix: Soil	Preparation:	STLC_S Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
RP0638B-WC-A1A2	2401176-01	08/02/24 16:35	25.00	25
Blank	B4H0516-BLK1	08/02/24 16:35	25.00	25
LCS	B4H0516-BS1	08/02/24 16:35	25.00	25
Matrix Spike	B4H0516-MS1	08/02/24 16:35	25.00	25
Matrix Spike Dup	B4H0516-MSD1	08/02/24 16:35	25.00	25
Dilution Check	B4H0516-SRL1	08/02/24 16:35	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4H0516

Extraction Method: STLC_S Extraction

Batch Start Date:

Batch Analyst: CH

Analysis Method: WET/EPA 6010B

Batch End Date:

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401176-01	RP0638B-WC-A1A2	25.00	25.00								
B4H0516-BLK1	Blank	25.00	25.00								
B4H0516-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250						
B4H0516-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2400776-02					
B4H0516-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2400776-02					
B4H0516-SRL1	Dilution Check	25.00	25.00			2400776-02					

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0516

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4H0516-BLK1	Lead	-0.025933	0.020	0.10	08/2/24 22:35	U	WET/EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0516
Concentration Units: mg/L
Laboratory ID: B4H0516-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.464536	0.500000	92.9		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0516

Concentration Units: mg/L

Source Sample Name: **2400776-02**

Laboratory ID: B4H0516-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	2.52645	1.84342	0.500000	-137	M2	75 - 125

Laboratory ID: B4H0516-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	1.81984	-141	1.29	0.500000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0516

Concentration Units: mg/L

Source Sample Name: **2400776-02**

Laboratory ID: B4H0516-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4H0516-PS1						
Lead	2.52645	2.87441	0.500000	69.6	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4H0345

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0345-IBL1	240802-01 RR1-001	08/02/24 12:23
Cal Standard	S4H0345-CAL1	240802-01 RR1-002	08/02/24 12:26
Cal Standard	S4H0345-CAL2	240802-01 RR1-003	08/02/24 12:28
Cal Standard	S4H0345-CAL3	240802-01 RR1-004	08/02/24 12:31
Cal Standard	S4H0345-CAL4	240802-01 RR1-005	08/02/24 12:33
Cal Standard	S4H0345-CAL5	240802-01 RR1-006	08/02/24 12:35
Cal Standard	S4H0345-CAL6	240802-01 RR1-007	08/02/24 12:37
Cal Standard	S4H0345-CAL7	240802-01 RR1-008	08/02/24 12:39
Initial Cal Check	S4H0345-ICV1	240802-01 RR1-009	08/02/24 13:35
Initial Cal Blank	S4H0345-ICB1	240802-01 RR1-010	08/02/24 13:37
Interference Check A	S4H0345-IFA1	240802-01 RR1-012	08/02/24 13:53
Interference Check B	S4H0345-IFB1	240802-01 RR1-013	08/02/24 13:55
Calibration Check	S4H0345-CCV1	240802-01 RR1-216	08/02/24 22:21
Calibration Blank	S4H0345-CCB1	240802-01 RR1-217	08/02/24 22:23
Blank	B4H0516-BLK1	240802-01 RR1-222	08/02/24 22:35
LCS	B4H0516-BS1	240802-01 RR1-223	08/02/24 22:37
Matrix Spike	B4H0516-MS1	240802-01 RR1-224	08/02/24 22:40
Matrix Spike Dup	B4H0516-MSD1	240802-01 RR1-225	08/02/24 22:42
Post Spike	B4H0516-PS1	240802-01 RR1-226	08/02/24 22:44
Dilution Check	B4H0516-SRL1	240802-01 RR1-227	08/02/24 22:47
Calibration Check	S4H0345-CCV2	240802-01 RR1-228	08/02/24 22:49
Calibration Blank	S4H0345-CCB2	240802-01 RR1-229	08/02/24 22:51
Calibration Check	S4H0345-CCV3	240802-01 RR1-240	08/02/24 23:18
Calibration Blank	S4H0345-CCB3	240802-01 RR1-241	08/02/24 23:20
RP0638B-WC-A1A2	2401176-01	240802-01 RR1-242	08/02/24 23:22
Calibration Check	S4H0345-CCV4	240802-01 RR1-249	08/02/24 23:39
Calibration Blank	S4H0345-CCB4	240802-01 RR1-250	08/02/24 23:41

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0345
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0345-ICV1	Lead	0.500000	0.505805	101	08/02/24 13:35	+/- 10.00%
S4H0345-CCV1	Lead	2.00000	1.84831	92.4	08/02/24 22:21	+/- 10.00%
S4H0345-CCV2	Lead	2.00000	1.84294	92.1	08/02/24 22:49	+/- 10.00%
S4H0345-CCV3	Lead	2.00000	1.84761	92.4	08/02/24 23:18	+/- 10.00%
S4H0345-CCV4	Lead	2.00000	1.85062	92.5	08/02/24 23:39	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0345

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0345-ICB1	Lead	-0.007196	0.0041	0.020	08/2/24 13:37	U	WET/EPA 6010B
S4H0345-CCB1	Lead	-0.003226	0.0041	0.020	08/2/24 22:23	U	WET/EPA 6010B
S4H0345-CCB2	Lead	-0.008330	0.0041	0.020	08/2/24 22:51	U	WET/EPA 6010B
S4H0345-CCB3	Lead	-0.003481	0.0041	0.020	08/2/24 23:20	U	WET/EPA 6010B
S4H0345-CCB4	Lead	-0.000177	0.0041	0.020	08/2/24 23:41	U	WET/EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0345
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0345-IFA1	Lead		-0.05448	mg/L		<0.02	8/2/24 13:53

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0345
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0345-IFB1	Lead	0.500000	0.42020	mg/L	16	±20.00 %	8/2/24 13:55

METHOD DETECTION AND REPORTING LIMITS
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory:	Advanced Technology Laboratories	Project:	RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022		
Matrix:	Soil	Laboratory ID:	2401176-01	Laboratory ID:	RP0638B-WC-A1A2

Sampled:	07/12/24 11:04	Prepared:	07/31/24 14:13	Analyzed:	08/01/24 17:32
Batch:	B4G1024	Sequence:	S4H0337	Instrument:	ICP-16
Preparation:	EPA 3010A_TCLP_S	Method:	EPA 6010B	Concentration Units:	mg/L
Leach Batch:	B4G1003	Leach Method:	EPA 1311_S		

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	ND	0.020	0.10	5	U

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401176
Client:	Parsons	Project:	RP0638B - 1240 S McBride Ave, Los Angeles, C
Batch:	B4G1024 Batch Matrix: Soil	Preparation:	EPA 3010A_TCLP_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
RP0638B-WC-A1A2	2401176-01	07/31/24 14:13	25.00	25
Blank	B4G1024-BLK1	07/31/24 14:13	25.00	25
LCS	B4G1024-BS1	07/31/24 14:13	25.00	25
Matrix Spike	B4G1024-MS1	07/31/24 14:13	25.00	25
Matrix Spike Dup	B4G1024-MSD1	07/31/24 14:13	25.00	25
Dilution Check	B4G1024-SRL1	07/31/24 14:13	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G1024

Extraction Method: EPA 3010A_TCLP_S

Batch Start Date: 07/31/2024 14:20 **Batch Analyst:** CH

Analysis Method: EPA 6010B

Batch End Date: 07/31/2024 17:00

Lab Sample ID	Client Sample ID	Initial (mL)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401176-01	RP0638B-WC-A1A2	25.00	25.00							1.5 mL	2.5 mL
B4G1024-BLK1	Blank	25.00	25.00							1.5 mL	2.5 mL
B4G1024-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250					1.5 mL	2.5 mL
B4G1024-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2401172-01				1.5 mL	2.5 mL
B4G1024-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2401172-01				1.5 mL	2.5 mL
B4G1024-SRL1	Dilution Check	25.00	25.00			2401172-01				1.5 mL	2.5 mL

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4G0398	Concentrated Nitric Acid	240238
A4F0570	1:1 Hydrochloric Acid	NA

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4G1024

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G1024-BLK1	Lead	-0.043852	0.020	0.10	07/31/24 22:25	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G1024

Concentration Units: mg/L

Laboratory ID: B4G1024-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.450904	0.500000	90.2		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G1024
Concentration Units: mg/L
Source Sample Name: **2401172-01**

Laboratory ID: B4G1024-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	ND	0.517996	0.500000	104		75 - 125

Laboratory ID: B4G1024-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	0.469832	94.0	9.75	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G1024

Concentration Units: mg/L

Source Sample Name: **2401172-01**

Laboratory ID: B4G1024-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G1024-PS1						
Lead	-0.011698	0.551469	0.500000	110		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4H0306

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0306-IBL1	240731-01 RR-001	07/31/24 14:20
Cal Standard	S4H0306-CAL1	240731-01 RR-002	07/31/24 14:23
Cal Standard	S4H0306-CAL2	240731-01 RR-003	07/31/24 14:25
Cal Standard	S4H0306-CAL3	240731-01 RR-004	07/31/24 14:27
Cal Standard	S4H0306-CAL4	240731-01 RR-005	07/31/24 14:29
Cal Standard	S4H0306-CAL5	240731-01 RR-006	07/31/24 14:31
Cal Standard	S4H0306-CAL6	240731-01 RR-007	07/31/24 14:33
Cal Standard	S4H0306-CAL7	240731-01 RR-008	07/31/24 14:35
Initial Cal Check	S4H0306-ICV1	240731-01 RR-009	07/31/24 14:46
Initial Cal Blank	S4H0306-ICB1	240731-01 RR-010	07/31/24 14:47
Interference Check A	S4H0306-IFA1	240731-01 RR-012	07/31/24 14:57
Interference Check B	S4H0306-IFB1	240731-01 RR-013	07/31/24 14:59
Calibration Check	S4H0306-CCV3	240731-01 RR-163	07/31/24 21:21
Calibration Blank	S4H0306-CCB3	240731-01 RR-164	07/31/24 21:24
Calibration Check	S4H0306-CCV5	240731-01 RR-187	07/31/24 22:18
Calibration Blank	S4H0306-CCB5	240731-01 RR-188	07/31/24 22:21
Blank	B4G1024-BLK1	240731-01 RR-190	07/31/24 22:25
LCS	B4G1024-BS1	240731-01 RR-191	07/31/24 22:28
Matrix Spike	B4G1024-MS1	240731-01 RR-192	07/31/24 22:30
Matrix Spike Dup	B4G1024-MSD1	240731-01 RR-193	07/31/24 22:32
Dilution Check	B4G1024-SRL1	240731-01 RR-195	07/31/24 22:37
Calibration Check	S4H0306-CCV6	240731-01 RR-199	07/31/24 22:47
Calibration Blank	S4H0306-CCB6	240731-01 RR-200	07/31/24 22:48

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4H0337

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0337-IBL1	240801-02 RR-001	08/01/24 15:07
Cal Standard	S4H0337-CAL1	240801-02 RR-002	08/01/24 15:10
Cal Standard	S4H0337-CAL2	240801-02 RR-003	08/01/24 15:13
Cal Standard	S4H0337-CAL3	240801-02 RR-004	08/01/24 15:15
Cal Standard	S4H0337-CAL4	240801-02 RR-005	08/01/24 15:18
Cal Standard	S4H0337-CAL5	240801-02 RR-006	08/01/24 15:20
Cal Standard	S4H0337-CAL6	240801-02 RR-007	08/01/24 15:21
Cal Standard	S4H0337-CAL7	240801-02 RR-008	08/01/24 15:24
Initial Cal Check	S4H0337-ICV1	240801-02 RR-009	08/01/24 15:31
Initial Cal Blank	S4H0337-ICB1	240801-02 RR-010	08/01/24 15:34
Interference Check A	S4H0337-IFA1	240801-02 RR-012	08/01/24 15:39
Interference Check B	S4H0337-IFB1	240801-02 RR-013	08/01/24 15:41
Calibration Check	S4H0337-CCV1	240801-02 RR-038	08/01/24 16:40
Calibration Blank	S4H0337-CCB1	240801-02 RR-039	08/01/24 16:42
Calibration Check	S4H0337-CCV2	240801-02 RR-050	08/01/24 17:06
Calibration Blank	S4H0337-CCB2	240801-02 RR-051	08/01/24 17:08
RP0638B-WC-A1A2	2401176-01	240801-02 RR-061	08/01/24 17:32
Calibration Check	S4H0337-CCV3	240801-02 RR-062	08/01/24 17:34
Calibration Blank	S4H0337-CCB3	240801-02 RR-063	08/01/24 17:36
Calibration Check	S4H0337-CCV4	240801-02 RR-196	08/01/24 23:32
Calibration Blank	S4H0337-CCB4	240801-02 RR-197	08/01/24 23:34
Post Spike	B4G1024-PS1	240801-02 RR-200	08/01/24 23:41
Calibration Check	S4H0337-CCV5	240801-02 RR-201	08/01/24 23:43
Calibration Blank	S4H0337-CCB5	240801-02 RR-202	08/01/24 23:46

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0306
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0306-ICV1	Lead	0.500000	0.515341	103	07/31/24 14:46	+/- 10.00%
S4H0306-CCV3	Lead	2.00000	1.90927	95.5	07/31/24 21:21	+/- 10.00%
S4H0306-CCV5	Lead	2.00000	1.82956	91.5	07/31/24 22:18	+/- 10.00%
S4H0306-CCV6	Lead	2.00000	1.83618	91.8	07/31/24 22:47	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0337
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0337-ICV1	Lead	0.500000	0.528482	106	08/01/24 15:31	+/- 10.00%
S4H0337-CCV1	Lead	2.00000	2.01434	101	08/01/24 16:40	+/- 10.00%
S4H0337-CCV2	Lead	2.00000	2.00046	100	08/01/24 17:06	+/- 10.00%
S4H0337-CCV3	Lead	2.00000	1.97914	99.0	08/01/24 17:34	+/- 10.00%
S4H0337-CCV4	Lead	2.00000	1.92622	96.3	08/01/24 23:32	+/- 10.00%
S4H0337-CCV5	Lead	2.00000	1.94487	97.2	08/01/24 23:43	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0306

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0306-ICB1	Lead	-0.000332	0.0041	0.020	07/31/24 14:47	U	EPA 6010B
S4H0306-CCB3	Lead	-0.010182	0.0041	0.020	07/31/24 21:24	U	EPA 6010B
S4H0306-CCB5	Lead	-4.1798E-3	0.0041	0.020	07/31/24 22:21	U	EPA 6010B
S4H0306-CCB6	Lead	-0.005699	0.0041	0.020	07/31/24 22:48	U	EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0337

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0337-ICB1	Lead	0.004403	0.0041	0.020	08/1/24 15:34		EPA 6010B
S4H0337-CCB1	Lead	0.005730	0.0041	0.020	08/1/24 16:42		EPA 6010B
S4H0337-CCB2	Lead	-0.003576	0.0041	0.020	08/1/24 17:08	U	EPA 6010B
S4H0337-CCB3	Lead	0.002958	0.0041	0.020	08/1/24 17:36		EPA 6010B
S4H0337-CCB4	Lead	0.000126	0.0041	0.020	08/1/24 23:34		EPA 6010B
S4H0337-CCB5	Lead	-0.000845	0.0041	0.020	08/1/24 23:46	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0306
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0306-IFA1	Lead		-0.04921	mg/L		<0.02	7/31/24 14:57

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0306
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0306-IFB1	Lead	0.500000	0.45549	mg/L	9	±20.00 %	7/31/24 14:59

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0337
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0337-IFA1	Lead		-0.04829	mg/L		<0.02	8/1/24 15:39

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0337
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0337-IFB1	Lead	0.500000	0.45395	mg/L	9	±20.00 %	8/1/24 15:41

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Leachate Preparation Log

Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐GSO ☐Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA / Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		EDD: Excel ☐ EDF ☐ Equis ☐
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	QA/QC: Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State:	Zip:

Project Name: DTSC Exide Residential
Site Address: 1240 S McBride Ave, Los Angeles CA 90022
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: RP0638B
PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaS2O3	Remarks
1	1	RP0638B-WC-A1A2	RP0638B-WC	7/12/2024	1104	x	x	x		1	5	1		
2	2	RP0638B-WC-A1A2A3	RP0638B-WC	7/12/2024	1110	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Brenda B	7/12/24	1400	Kathryn	7-12-24	1400
Kathryn	7-12-24	1420		7/12/24	1420
C. L	7/12/24	1450	Jhon	7/12/24	14:50

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Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Monday, July 29, 2024 1:33 PM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. RP0638B-WC-A1A2 (LAB REPORT 2401176): STLC and TCLP for lead
2. PIA-06096-WC-A1A2 (LAB REPORT 2401174): STLC and TCLP for lead
3. PIA-06096-WC-A1A2A3 (LAB REPORT 2401174): STLC for lead
4. E0474-WC-A1A2 (LAB REPORT 2401180): STLC and TCLP for lead
5. E0474-WC-A1A2A3 (LAB REPORT 2401180): STLC and TCLP for lead
6. RP2759B-WC-A1A2 (LAB REPORT 2401172): STLC and TCLP for lead
7. D1431-WC-A1A2 (LAB REPORT 2401170): STLC and TCLP for lead
8. D1431-WC-A1A2A3 (LAB REPORT 2401170): STLC for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0417
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0417 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0418
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0418 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0419
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0419 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0420
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0420 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0421
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0421 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0422
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0422 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0423
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0423 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0424
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0424 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0496
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/26/2024
Date Expires: 08/09/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0496 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0504
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: Juan Flores
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0504 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0505
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0505 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0521
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0521 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0522	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0522
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0522 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0523	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0523
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0523 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0524
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0524 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0525
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0525 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0526
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0526 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0527
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0527 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0507	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0528
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0528 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0504	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

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August 14, 2024

AETL Job No: BFG0235 Rev. 01
Received Date: 07/24/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: D1529
4626 E 53rd St.
Maywood, CA 90270

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

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Rev. 01

Parsons	AETL Job Number:	BFG0235	Site:	D1529	
	Project Number:	684735		4626 E 53rd St.	
100 West Walnut Street	Attention:	Pete Shair		Maywood, CA 90270	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/14/2024 14:43	

Data Validatable Report

Work Order Case Narrative

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

The samples were subcontracted to Performance Analytical Laboratories for EPA 6010B. Please see attached report for results.

This report contains additional data to the report previously submitted. The analyses added are STLC-6010B-Pb and TCLP-6010B-Pb and were added per client request on 8/6/24. This document is the official version and is in addition to the earlier report.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
BFG0235-01	D1529-WC-A1A2	Soil	07/24/2024 08:41	07/24/2024

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Revised and Reissued

Rev. 01

Parsons		AETL Job Number:	BFG0235	Site:	D1529
		Project Number:	684735		4626 E 53rd St.
100 West Walnut Street		Attention:	Pete Shair		Maywood, CA 90270
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	08/14/2024 14:43

Containers Received

Lab ID	Container Type	Count	Preservation Check
BFG0235-01			
	Glass Jar - 8 oz	1	
BFG0235-02			
	Glass Jar - 8 oz	1	

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Rev. 01

Parsons	AETL Job Number:	BFG0235	Site:	D1529	
	Project Number:	684735		4626 E 53rd St.	
100 West Walnut Street	Attention:	Pete Shair		Maywood, CA 90270	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/14/2024 14:43	

Analytical Results

Client ID: D1529-WC-A1A2

Lab ID: BFG0235-01 (Soil) **Sampled:** 07/24/24 8:41

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
STLC Analysis											
Method: EPA 6010B-STLC											
Lead	**1.80**	D	2	0.328	0.800	mg/L	08/13/24 08:50	08/13/24 14:40	B4H0212	LE	STLC- ICP
TCLP Analysis											
Method: EPA 6010B-1311 TCLP											
Lead	ND		1	0.0461	0.200	mg/L	08/12/24 10:45	08/12/24 16:14	B4H0189	LE	1311- ICP

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Rev. 01

Parsons	AETL Job Number:	BFG0235	Site:	D1529	
	Project Number:	684735		4626 E 53rd St.	
100 West Walnut Street	Attention:	Pete Shair		Maywood, CA 90270	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/14/2024 14:43	

Quality Control

STLC Analysis

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B-STLC										
Batch: B4H0212 - STLC- ICP										
Blank (B4H0212-BLK1)					Prepared & Analyzed: 08/13/2024 13:42					
Lead	ND D	0.800	0.328	mg/L						
LCS (B4H0212-BS1)					Prepared & Analyzed: 08/13/2024 13:45					
Lead	19.2 D		0.328	mg/L	20.0		95.8	80-120		
LCS Dup (B4H0212-BSD1)					Prepared & Analyzed: 08/13/2024 13:48					
Lead	21.1 D		0.328	mg/L	20.0		106	80-120	9.81	15
Duplicate (B4H0212-DUP1)	**Source: BFG0280-01**				Prepared & Analyzed: 08/13/2024 13:54					
Lead	4.26 D		0.328	mg/L		4.35			2.03	15
Matrix Spike (B4H0212-MS1)	**Source: BFG0280-01**				Prepared & Analyzed: 08/13/2024 13:58					
Lead	21.9 D		0.328	mg/L	20.0	4.35	87.7	70-130		
Matrix Spike Dup (B4H0212-MSD1)	**Source: BFG0280-01**				Prepared & Analyzed: 08/13/2024 14:01					
Lead	19.9 D		0.328	mg/L	20.0	4.35	77.6	70-130	9.67	15
Method: EPA 6010B-STLC										
Batch: S4H0009 - B4H0134										
Instrument Blank (S4H0009-IBL1)					Prepared & Analyzed: 08/13/2024 07:51					
Lead	0.00			mg/L	0.00					
Interference Check A (S4H0009-IFA1)					Prepared & Analyzed: 08/13/2024 09:14					
Lead	-0.0362			mg/L	0.00			80-120		
Interference Check B (S4H0009-IFB1)					Prepared & Analyzed: 08/13/2024 09:17					
Lead	0.573			mg/L	0.500		115	80-120		

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Revised and Reissued

Rev. 01

Parsons	AETL Job Number:	BFG0235	Site:	D1529	
	Project Number:	684735		4626 E 53rd St.	
100 West Walnut Street	Attention:	Pete Shair		Maywood, CA 90270	
Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/14/2024 14:43	

Quality Control
(Continued)

TCLP Analysis

Analyte	Result/ Qual	PQL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Method: EPA 6010B-1311 TCLP										
Batch: B4H0189 - 1311- ICP										
Blank (B4H0189-BLK1)					Prepared & Analyzed: 08/12/2024 15:22					
Lead	ND	0.200	0.0461	mg/L						
LCS (B4H0189-BS1)					Prepared & Analyzed: 08/12/2024 15:26					
Lead	10.5		0.0461	mg/L	10.0		105	80-120		
LCS Dup (B4H0189-BSD1)					Prepared & Analyzed: 08/12/2024 15:29					
Lead	10.7		0.0461	mg/L	10.0		107	80-120	2.18	15
Duplicate (B4H0189-DUP1)	**Source: BFH0042-02**				Prepared & Analyzed: 08/12/2024 15:35					
Lead	ND		0.0461	mg/L		ND				15
Matrix Spike (B4H0189-MS1)	**Source: BFH0042-02**				Prepared & Analyzed: 08/12/2024 15:38					
Lead	8.37		0.0461	mg/L	10.0	ND	83.7	70-130		
Matrix Spike Dup (B4H0189-MSD1)	**Source: BFH0042-02**				Prepared & Analyzed: 08/12/2024 15:41					
Lead	8.27		0.0461	mg/L	10.0	ND	82.7	70-130	1.25	15
Method: EPA 6010B-1311 TCLP										
Batch: S4H0008 - B4H0134										
Instrument Blank (S4H0008-IBL1)					Prepared & Analyzed: 08/12/2024 09:38					
Lead	0.00			mg/L	0.00					
Interference Check A (S4H0008-IFA1)					Prepared & Analyzed: 08/12/2024 11:08					
Lead	0.0139			mg/L	0.00			0-200		
Interference Check B (S4H0008-IFB1)					Prepared & Analyzed: 08/12/2024 11:11					
Lead	0.551			mg/L	0.500		110	0-200		

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Revised and Reissued

Rev. 01

Parsons		AETL Job Number:	BFG0235	Site:	D1529
		Project Number:	684735		4626 E 53rd St.
100 West Walnut Street		Attention:	Pete Shair		Maywood, CA 90270
Pasadena, CA 91124		Project Name:	DTSC Exide Residential	Reported:	08/14/2024 14:43

Qualifiers and Definitions

Item	Qualifiers
D	Sample was analyzed under dilution due to matrix interference.

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics

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Pasadena, CA 91124	Project Name:	DTSC Exide Residential	Reported:	08/14/2024 14:43

MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

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WORK ORDER

BFG0235

Printed: 08/14/2024 2:43 pm

Project: **Exide Initial 200 Single Cleanup Unit (SCU)**
Project Number: **684735**
Project Manager: **Hailley Coleman**
PO Number:

Report To:

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

Invoice To:

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/24/2024 05:30 PM
Date Due: 08/13/2024 (14.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

Analysis	Comments
BFG0235-01 D1529-WC-A1A2 [Soil] Sampled 7/24/2024 8:41:00AM	
STLC-6010B-Pb	NONE
STLC-Extraction-METALS	NONE
TCLP-6010B-Pb	NONE
TCLP-Extraction-METALS	NONE

BFG0235 **Sample Receipt Log**

Default Cooler

Samples Received at: **29.0°C**

Are the COCs Correct	Yes	Received on Ice	No
Labels Legible	Yes		
COC/Labels Agree	Yes		
Sufficient Sample Volume	Yes		
Sample Labels intact	Yes		
Containers In Good Condition	Yes		
Samples Preserved Properly	Yes		
Sufficient Holding Time for all Tests	Yes		

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CHAIN-OF-CUSTODY RECORD

AETL JOB No. BT-Q0235 Page 1 of 1

Company: Parsons	Project Manager: Pete Shair / Linda McGlochlin
Company Address: 100 W. Walnut St, Pasadena, CA 91124	Email: tom.blaney@parsons.com
Project Name: DTSC Exide Residential	**Project # 684735**
Site Property ID: D1529	**PO #**
Site Address: 4626 E53rd St, Maywood CA 90270	
Report To: tom.blaney@parsons.com Report & EDD To: carla.rodman@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	

BT-Q0235 ↓

Location ID	Start Depth (in)	End Depth (in)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Purpose	Sample Matrix	Sample Type	# of Cont.	Field Filtered (Y/N)		Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb)	Analysis Requested: Lead (6010B)	Analysis Requested: STLC - Pb	Analysis Requested: TCLP - Pb	Comments
						N/FD		Comp/Grab								
D1529-WC	0	12	D1529-WC-A1A2	7/24/24	0841	N	Soil	C	1	N		X	X	X	X	
D1529-WC	0	18	D1529-WC-A1A2A3	7/24/24	0843	N	Soil	C	1	N		X	X			

Requested Due Date/TAT: _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

Deliverable Requested: EQuIS DTSC_Cleanup EDD

Level III/IV PDF: Level III

Sampler(s) Name:	Company:		
Relinquished By (signature):		Relinquished By (signature):	Sample Receipt Comments:
Printed Name: Brenda B	Company:	Printed Name: Val A	Company:
Date/Time: 7/24/24 1415		Date/Time: 7-24-24 1730	
Received By (signature):		Received By (signature):	
Printed Name: Val A	Company:	Printed Name: Peter Olivares	Company: AETL
Date/Time: 7-24-24 1415		Date/Time: 07/24/24 17:30	
Shipment Method:		Sample Tracking No:	Samples Intact : Yes ☐ No ☐

Sample Type: C = Composite; G = Grab **Sample Purpose: N = Normal; FD = Field Duplicate** **Soil Description: BY = Backyard; FY = Front yard; SY = Side yard**

Table of Contents

Hailley Coleman

From: Nishka.Parikh@parsons.com
Sent: Monday, August 5, 2024 11:14 AM
To: Hailley Coleman
Cc: Tom.Blaney@parsons.com; Peter.Shair@parsons.com; Sandra.delasFuentes@parsons.us; Carla.Rodman@parsons.com
Subject: Need STLC/TCLP Analyses

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Sensitive

Hi Hailley,

Please run the following on a standard turnaround time:

1. A0087-WC-A1A2 (LAB REPORT BFG0209): STLC and TCLP for lead
2. A0087-WC-A1A2A3 (LAB REPORT BFG0209): STLC and TCLP for lead
3. D1529-WC-A1A2 (LAB REPORT BFG0235): STLC and TCLP for lead
4. D1391-WC-A1A2 (LAB REPORT BFG0237): STLC for lead
5. B0859-WC-A1A2 (LAB REPORT BFG0239): STLC and TCLP for lead
6. B0859-WC-A1A2A3 (LAB REPORT BFG0239): STLC and TCLP for lead
7. C0291-WC-A1A2 (LAB REPORT BFG0279): STLC and TCLP for lead
8. C0291-WC-A1A2A3 (LAB REPORT BFG0279): STLC and TCLP for lead
9. B0834-WC-A1A2 (LAB REPORT BFG0280): STLC and TCLP for lead
10. B0834-WC-A1A2A3 (LAB REPORT BFG0280): STLC for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFG0235

Date Received: 07/24/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☐ Cooler (_____) ☑ Other (Specify): Box

Sample Container Temperature: 29.0 °C IR Gun S/N: 51941911MV

Type of sample containers: VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

How are samples preserved: ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✔			
2. Are Sample labels legible & indelible ink?	✔			
3. Do samples match the COC?	✔			
4. Are the required analyses clear?	✔			
5. Is there enough samples for required analysis?	✔			
6. Does cooler or samples have custody seal(s)?			✔	
7. Are sample containers intact and in good condition?	✔			
8. Are samples preserved?			✔	
9. Are samples preserved properly for the intended analysis?			✔	
10. Are the VOAs free of headspace? See footnote.			✔	
11. Are the jars free of headspace?			✔	
12. Are there any samples with short hold times?		✔		

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

Performance Analytical Laboratories, Inc.

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Client Project Name: BFG0235
Work Order Number: P407027

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1.1.1 Run-Log CRL IFB CCV CCB Summary (S4H0001) 4
1.1.2 Batch Summary (B4G0123) 9

METALS

QC SUMMARY

Sequence

RackTube	Sample Label
S1:1	Blank
S1:2	ICAL-PG41703
S1:3	S4H0001-ICV1
S1:1	S4H0001-ICB1
S1:4	S4H0001-IFB1
S1:5	S4H0001-IFA1
S1:7	S4H0001-CRL1
S1:8	S4H0001-CRL2
S1:6	S4H0001-CCV1
S1:1	S4H0001-CCB1
1:1	B4G0140-BLK1
1:2	B4G0140-BS1
1:3	B4G0140-MS1
1:4	B4G0140-MSD1
1:5	P407001-03
1:6	P405072-01
1:7	P406075-01
1:8	P406066-01
1:9	B4G0138-BLK1
1:10	B4G0138-BS1
S1:6	S4H0001-CCV2
S1:1	S4H0001-CCB2
1:11	B4G0138-MS1
1:12	B4G0138-MSD1
1:13	P405073-01
1:14	P405073-02
1:15	B4G0123-BLK1
1:16	B4G0123-BS1
1:17	B4G0123-MS1
1:18	B4G0123-MSD1
1:19	P407025-01
1:20	P407027-01
S1:6	S4H0001-CCV3
S1:1	S4H0001-CCB3
1:21	P407027-02
1:22	P407029-01
1:23	P407029-02
1:24	P407031-01
1:25	P407031-02
1:26	B4G0123-PS1
1:27	TEST 55024
S1:6	S4H0001-CCV4
S1:1	S4H0001-CCB4

CRDL STANDARD

EPA 6010B

Laboratory:	Performance Analytical Laboratories	Work Order:	P407027
Client:	American ET Lab	Project:	BFG0235
Instrument ID:	ICP-1	Calibration:	UNASSIGNED
Sequence:	S4H0001		

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
S4H0001-CRL1	Antimony	160	153	95.7	ppb	70 - 130
	Arsenic	160	150	93.6	ppb	70 - 130
	Cadmium	160	158	98.5	ppb	70 - 130
	Copper	160	154	96.1	ppb	70 - 130
	Lead	160	160	99.8	ppb	70 - 130
	Zinc	160	158	98.9	ppb	70 - 130
S4H0001-CRL2	Antimony	32.2	34.3	106	ppb	70 - 130
	Arsenic	32.2	28.3	88.0	ppb	70 - 130
	Cadmium	32.2	31.2	96.9	ppb	70 - 130
	Copper	32.2	30.8	95.5	ppb	70 - 130
	Lead	32.2	28.7	89.1	ppb	70 - 130
	Zinc	32.2	31.6	98.3	ppb	70 - 130

INTERFERENCE CHECK SAMPLE

EPA 6010B

Laboratory:	Performance Analytical Laboratories	Work Order:	P407027
Client:	American ET Lab	Project:	BFG0235
Instrument ID:	ICP-1	Calibration:	UNASSIGNED
Sequence:	S4H0001		

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0001-IFA1	Antimony		13.04000		ppb	+/- 60 ppb
	Arsenic		7.22000		ppb	+/- 60 ppb
	Cadmium		8.00000		ppb	+/- 20 ppb
	Copper		18.14000		ppb	+/- 20 ppb
	Lead		-12.99000		ppb	+/- 60 ppb
	Zinc		30.21000		ppb	+/- 60 ppb

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0001-IFB1	Antimony		-1.96000		ppb	+/- 60 ppb
	Arsenic	1060	1,049.58000	99.0	ppb	+/- 20.00 %
	Cadmium	318	320.32000	101	ppb	+/- 20.00 %
	Lead	1060	1,041.10000	98.2	ppb	+/- 20.00 %
	Zinc	318	324.29000	102	ppb	+/- 20.00 %

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B

Laboratory:	Performance Analytical Laboratories	Work Order:	P407027
Client:	American ET Lab	Project:	BFG0235
Instrument ID:	ICP-1	Calibration:	UNASSIGNED
		Sequence:	S4H0001

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0001-CCV1	Antimony	2070	2080	101	ppb	+/- 15.00%
	Arsenic	2070	2100	101	ppb	+/- 15.00%
	Cadmium	2070	2150	104	ppb	+/- 15.00%
	Copper	2070	2090	101	ppb	+/- 15.00%
	Lead	2070	2170	105	ppb	+/- 15.00%
	Zinc	2070	2170	105	ppb	+/- 15.00%
S4H0001-CCV2	Antimony	2070	2120	102	ppb	+/- 15.00%
	Arsenic	2070	2110	102	ppb	+/- 15.00%
	Cadmium	2070	2180	105	ppb	+/- 15.00%
	Copper	2070	2110	102	ppb	+/- 15.00%
	Lead	2070	2210	107	ppb	+/- 15.00%
	Zinc	2070	2210	107	ppb	+/- 15.00%
S4H0001-CCV3	Antimony	2070	2100	101	ppb	+/- 15.00%
	Arsenic	2070	2110	102	ppb	+/- 15.00%
	Cadmium	2070	2160	105	ppb	+/- 15.00%
	Copper	2070	2090	101	ppb	+/- 15.00%
	Lead	2070	2200	106	ppb	+/- 15.00%
	Zinc	2070	2190	106	ppb	+/- 15.00%
S4H0001-CCV4	Antimony	2070	2140	103	ppb	+/- 15.00%
	Arsenic	2070	2160	104	ppb	+/- 15.00%
	Cadmium	2070	2200	106	ppb	+/- 15.00%
	Copper	2070	2130	103	ppb	+/- 15.00%
	Lead	2070	2240	108	ppb	+/- 15.00%
	Zinc	2070	2230	108	ppb	+/- 15.00%
S4H0001-ICV1	Antimony	2070	2110	102	ppb	+/- 15.00%
	Arsenic	2070	2090	101	ppb	+/- 15.00%
	Cadmium	2070	2150	104	ppb	+/- 15.00%
	Copper	2070	2090	101	ppb	+/- 15.00%
	Lead	2070	2160	105	ppb	+/- 15.00%
	Zinc	2070	2160	105	ppb	+/- 15.00%

CCB Summary

EPA 6010B

Laboratory:	Performance Analytical Laboratories	Work Order:	P407027
Client:	American Environmental Testing Labs	Project:	Exide Initial 200 Single Cleanup Unit (SCU)
Instrument ID:	ICP-1	Calibration:	UNASSIGNED
Sequence:	S4H0001		

Lab Sample ID	Analyte	Found	Units	RL	C
S4H0001-CCB1	Antimony	27.4	ppb	30.0	U
	Arsenic	5.21	ppb	30.0	U
	Cadmium	0.740	ppb	10.0	U
	Copper	0.670	ppb	10.0	U
	Lead	0.100	ppb	30.0	U
	Zinc	-1.12	ppb	30.0	U
S4H0001-CCB2	Antimony	8.57	ppb	30.0	U
	Arsenic	1.48	ppb	30.0	U
	Cadmium	-0.850	ppb	10.0	U
	Copper	-0.640	ppb	10.0	U
	Lead	-1.90	ppb	30.0	U
	Zinc	-0.970	ppb	30.0	U
S4H0001-CCB3	Antimony	3.87	ppb	30.0	U
	Arsenic	5.79	ppb	30.0	U
	Cadmium	-0.700	ppb	10.0	U
	Copper	-0.660	ppb	10.0	U
	Lead	-0.970	ppb	30.0	U
	Zinc	-0.940	ppb	30.0	U
S4H0001-CCB4	Antimony	4.28	ppb	30.0	U
	Arsenic	6.27	ppb	30.0	U
	Cadmium	-0.510	ppb	10.0	U
	Copper	-0.430	ppb	10.0	U
	Lead	-2.95	ppb	30.0	U
	Zinc	-0.810	ppb	30.0	U
S4H0001-ICB1	Antimony	-7.28	ppb	30.0	U
	Arsenic	-2.81	ppb	30.0	U
	Cadmium	-1.16	ppb	10.0	U
	Copper	-0.980	ppb	10.0	U
	Lead	-3.38	ppb	30.0	U
	Zinc	-4.32	ppb	30.0	U

PREPARATION BATCH SUMMARY

EPA 6010B

Laboratory:	Performance Analytical Laboratories	Work Order:	P407027
Client:	American ET Lab	Project:	BFG0235
Batch:	B4G0123 Batch Matrix: Solid	Preparation:	EPA 3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
Blank	B4G0123-BLK1	07/25/24 11:08	1.00	50.00
LCS	B4G0123-BS1	07/25/24 11:08	1.00	50.00
D1529-WC-A1A2	B4G0123-MS1	07/25/24 11:08	1.00	50.00
D1529-WC-A1A2	B4G0123-MSD1	07/25/24 11:08	1.00	50.00
D1529-WC-A1A2	B4G0123-PS1	07/25/24 11:08	0.04	10.00
D1529-WC-A1A2	P407027-01	07/26/24 08:43	1.00	50.00
D1529-WC-A1A2A3	P407027-02	07/26/24 08:43	1.00	50.00

Performance Analytical Laboratories, Inc.

ELAP 2960

August 01, 2024

American Environmental Testing Labs
2840 N. Naomi Street
Burbank, CA 91504

Re: Exide Initial 200 Single Cleanup Unit (SCU)
Project No. : BFG0235
Work Order: P407027

Dear Hailley Coleman

Enclosed are the results of analyses for samples received by our laboratory on 7/25/2024. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,

Marycarol Valenzuela
Technical Director

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Performance Analytical Laboratories, Inc.

ELAP 2960

American Environmental Testing Labs	Project: Exide Initial 200 Single Cleanup Unit (SCU)
2840 N. Naomi Street	Project Number: BFG0235
Burbank, CA 91504	Project Manager: Hailley Coleman

Samples in this Report

Lab ID	Sample	Qualifier	Matrix	Date Sampled	Time Sampled	Date Received	Time Received
P407027-01	D1529-WC-A1A2		Solid	07/24/2024	8:41	07/25/2024	8:49
P407027-02	D1529-WC-A1A2A3		Solid	07/24/2024	8:43	07/25/2024	8:49

Performance Analytical Laboratories, Inc.

ELAP 2960

American Environmental Testing Labs	Project: Exide Initial 200 Single Cleanup Unit (SCU)
2840 N. Naomi Street	Project Number: BFG0235
Burbank, CA 91504	Project Manager: Hailley Coleman

Sample: D1529-WC-A1A2 **P407027-01 (Solid)**

Analyte	Result	Units	DF	MDL	RL	Date Analyzed	Method	Qual
Metals, CA Title 22 (Batch ID: B4G0123)								
Antimony	ND	mg/kg	1	2.60	4.99	08/01/2024	EPA 6010B	
Arsenic	**5.30**	mg/kg	1	0.978	2.00	08/01/2024	EPA 6010B	
Cadmium	**1.22**	mg/kg	1	0.988	2.00	08/01/2024	EPA 6010B	J
Copper	**36.3**	mg/kg	1	0.918	2.00	08/01/2024	EPA 6010B	
Lead	**110**	mg/kg	1	0.530	2.00	08/01/2024	EPA 6010B	
Zinc	**227**	mg/kg	1	1.35	2.99	08/01/2024	EPA 6010B	

Sample: D1529-WC-A1A2A3 **P407027-02 (Solid)**

Analyte	Result	Units	DF	MDL	RL	Date Analyzed	Method	Qual
Metals, CA Title 22 (Batch ID: B4G0123)								
Antimony	ND	mg/kg	1	2.61	5.00	08/01/2024	EPA 6010B	
Arsenic	**3.64**	mg/kg	1	0.980	2.00	08/01/2024	EPA 6010B	
Cadmium	ND	mg/kg	1	0.990	2.00	08/01/2024	EPA 6010B	
Copper	**29.6**	mg/kg	1	0.920	2.00	08/01/2024	EPA 6010B	
Lead	**36.1**	mg/kg	1	0.531	2.00	08/01/2024	EPA 6010B	
Zinc	**127**	mg/kg	1	1.35	3.00	08/01/2024	EPA 6010B	

Performance Analytical Laboratories, Inc.

ELAP 2960

American Environmental Testing Labs	Project: Exide Initial 200 Single Cleanup Unit (SCU)
2840 N. Naomi Street	Project Number: BFG0235
Burbank, CA 91504	Project Manager: Hailley Coleman

Quality Control

Metals, CA Title 22

Analyte	Result	Qual	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0123											
Blank (B4G0123-BLK1)					Prepared: 07/25/2024 Analyzed: 08/01/2024						
Antimony	ND		2.61	5.00	mg/kg						
Arsenic	ND		0.980	2.00	mg/kg						
Cadmium	ND		0.990	2.00	mg/kg						
Copper	ND		0.920	2.00	mg/kg						
Lead	0.832	J	0.531	2.00	mg/kg						
Zinc	ND		1.35	3.00	mg/kg						
LCS (B4G0123-BS1)					Prepared: 07/25/2024 Analyzed: 08/01/2024						
Antimony	102		2.61	5.00	mg/kg	100		102	75-125		
Arsenic	109		0.980	2.00	mg/kg	100		109	75-125		
Cadmium	113		0.990	2.00	mg/kg	100		113	75-125		
Copper	112		0.920	2.00	mg/kg	100		112	75-125		
Lead	117		0.531	2.00	mg/kg	100		117	75-125		
Zinc	114		1.35	3.00	mg/kg	100		114	75-125		
Matrix Spike (B4G0123-MS1)			**Source: P407027-01**		Prepared: 07/25/2024 Analyzed: 08/01/2024						
Antimony	17.6	QM-01	2.61	5.00	mg/kg	100	ND	17.6	75-125		
Arsenic	110		0.980	2.00	mg/kg	100	5.30	105	75-125		
Cadmium	105		0.990	2.00	mg/kg	100	1.22	103	75-125		
Copper	148		0.920	2.00	mg/kg	100	36.3	111	75-125		
Lead	186		0.531	2.00	mg/kg	100	110	76.1	75-125		
Zinc	295	QM-01	1.35	3.00	mg/kg	100	227	67.3	75-125		
Matrix Spike Dup (B4G0123-MSD1)			**Source: P407027-01**		Prepared: 07/25/2024 Analyzed: 08/01/2024						
Antimony	17.5	QM-01	2.60	4.99	mg/kg	99.8	ND	17.6	75-125	0.586	20
Arsenic	111		0.978	2.00	mg/kg	99.8	5.30	106	75-125	0.736	20
Cadmium	105		0.988	2.00	mg/kg	99.8	1.22	104	75-125	0.177	20
Copper	151		0.918	2.00	mg/kg	99.8	36.3	115	75-125	2.43	20
Lead	197		0.530	2.00	mg/kg	99.8	110	87.1	75-125	5.62	20
Zinc	314		1.35	2.99	mg/kg	99.8	227	87.1	75-125	6.44	20

Performance Analytical Laboratories, Inc.

ELAP 2960

American Environmental Testing Labs	Project: Exide Initial 200 Single Cleanup Unit (SCU)
2840 N. Naomi Street	Project Number: BFG0235
Burbank, CA 91504	Project Manager: Hailley Coleman

Quality Control
(Continued)

Metals, CA Title 22 (Continued)

Analyte	Result	Qual	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B4G0123 (Continued)											
Post Spike (B4G0123-PS1)			**Source: P407027-01**		Prepared: 07/25/2024 Analyzed: 08/01/2024						
Antimony	508		13.0	25.0	mg/kg	499	ND	102	70-130		
Arsenic	523		4.89	9.98	mg/kg	499	5.30	104	70-130		
Cadmium	517		4.94	9.98	mg/kg	499	ND	104	70-130		
Copper	554		4.59	9.98	mg/kg	499	36.3	104	70-130		
Lead	633		2.65	9.98	mg/kg	499	110	105	70-130		
Zinc	756		6.74	15.0	mg/kg	499	227	106	70-130		

Performance Analytical Laboratories, Inc.

ELAP 2960

American Environmental Testing Labs	Project: Exide Initial 200 Single Cleanup Unit (SCU)
2840 N. Naomi Street	Project Number: BFG0235
Burbank, CA 91504	Project Manager: Hailley Coleman

Notes and Definitions

Item	Definition
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-01	Spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
(R)	Re-run for dilution or confirmation.

Performance Analytical Laboratories, Inc.

ELAP 2960

American Environmental Testing Labs	Project: Exide Initial 200 Single Cleanup Unit (SCU)
2840 N. Naomi Street	Project Number: BFG0235
Burbank, CA 91504	Project Manager: Hailley Coleman

Sample Summary Report

Sample: D1529-WC-A1A2

P407027-01 (Solid)

Method	Prep Type	Prep Date	Prep Factor	Batch	Instrument ID	Analysis Date	Analyst
EPA 6010B	EPA 3050B	07/26/2024	0.998	B4G0123	ICP-1	08/01/2024	MV

Sample: D1529-WC-A1A2A3

P407027-02 (Solid)

Method	Prep Type	Prep Date	Prep Factor	Batch	Instrument ID	Analysis Date	Analyst
EPA 6010B	EPA 3050B	07/26/2024	1	B4G0123	ICP-1	08/01/2024	MV

P407027

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

SUBCONTRACT CHAIN of CUSTODY

Sending Laboratory:

AETL
AETL, LLC. 2840 N. Naomi Street
Burbank, CA 91504
Phone: 818-845-8200

Project Manager: Hailley Coleman
Email: hcoleman@aetlab.com

Subcontracted Laboratory:

Performance Analytical Laboratories
2702 E Willow Street
Signal Hills, CA 90755
Phone: (310) 809-1041
Fax:

Work Order: BFG0235 PO #SUB-37211

Analysis	Due	Expires	Comments
Sample ID: BFG0235-01 (D1529-WC-A1A2) *Soil Sampled: 07/24/2024 08:41*			
zzm_6010B_6 Metals (6 Metals (As, Sb, Cd, Cu, Pb, Zn) by ICP (SW-846))	07/31/2024	01/20/2025 08:41	
Containers Supplied: Glass Jar - 8 oz (A)			
Sample ID: BFG0235-02 (D1529-WC-A1A2A3) *Soil Sampled: 07/24/2024 08:43*			
zzm_6010B_6 Metals (6 Metals (As, Sb, Cd, Cu, Pb, Zn) by ICP (SW-846))	07/31/2024	01/20/2025 08:43	
Containers Supplied: Glass Jar - 8 oz (A)			

Approved by: HAILLEY COLEMAN — AETL Project Manager — 7/24/24 Date

Released By AETL Sample Control	Date	Received By Courier	Date
Pat A	7-24-24	M Joel	7/24/24 1530
Released By Courier	Date	Received By Subcontract Laboratory	Date

Performance Analytical Laboratories, Inc.

SAMPLE RECEIPT FORM

WORK ORDER ID: P407027

Cooler 1 of 1

Client: AETL

Date Received: 7/24/24

Courier: (X) CLIENT ( ) PALI ( ) OTHER _____ ( ) FEDEX ( ) UPS Tracking # _____

TEMPERATURE: Criteria 0.0°C - 6.0°C

Cooler ID	Temperature Reading	Temperature w/o CF (°C)	Correction Factor (CF) (°C)	Temperature with CF (°C)	Thermometer ID
	( ) Blank Sample				

( ) WET ICE ( ) BLUE ICE (X) AMBIENT ( ) OTHER _____

( ) Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal ( ) Present and Intact ( ) Present and **NOT** Intact ( ) Seals signed and dated (X) Not Present

Sample Seal ( ) Present and Intact ( ) Present and **NOT** Intact ( ) Seals signed and dated (X) Not Present

CLIENT COC

(X) INCLUDED ( ) NOT INCLUDED

(X) Complete ( ) Incomplete, See Notes/ Discrepancy Form

SAMPLE MATRIX

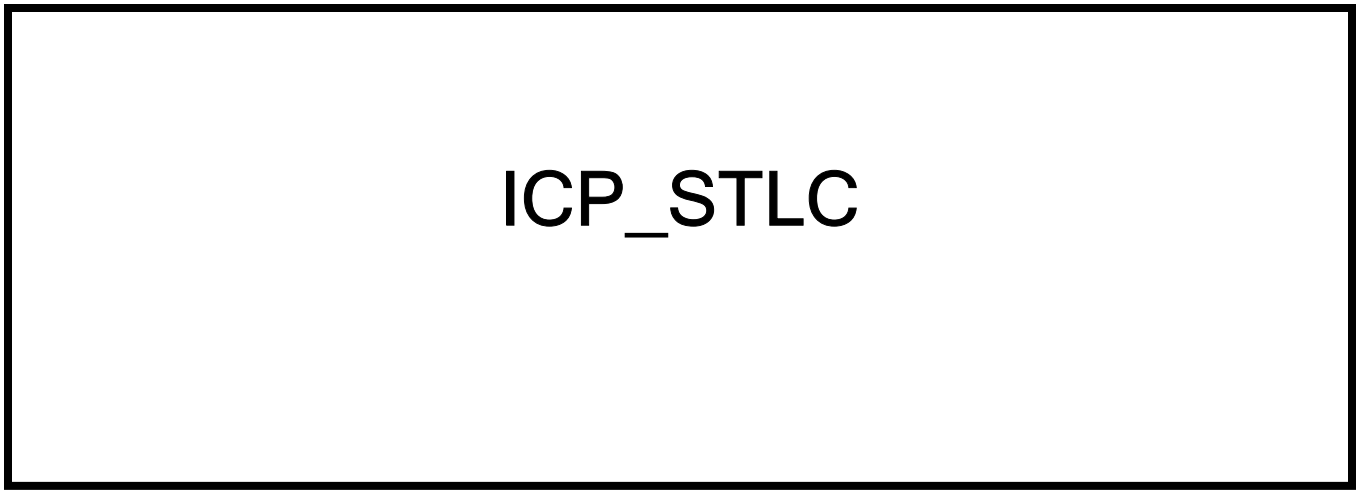
(X) SOLID ( ) LIQUID ( ) AIR ( ) OTHER _____

SAMPLE CONDITION

	YES	NO	N/A
All sample containers received intact and in good condition	X		
All samples listed on COC(s) are present	X		
All sample info on containers are consistent with sample info on COC(s)	X		
Correct containers for analyses requested	X		
Sufficient volume for analyses requested	X		
Proper preservation chemical(s) noted on COC and/or sample container	X		
All samples received within method holding time	X		
Volatile analysis containers free of headspace larger than 6mm			X

NOTES

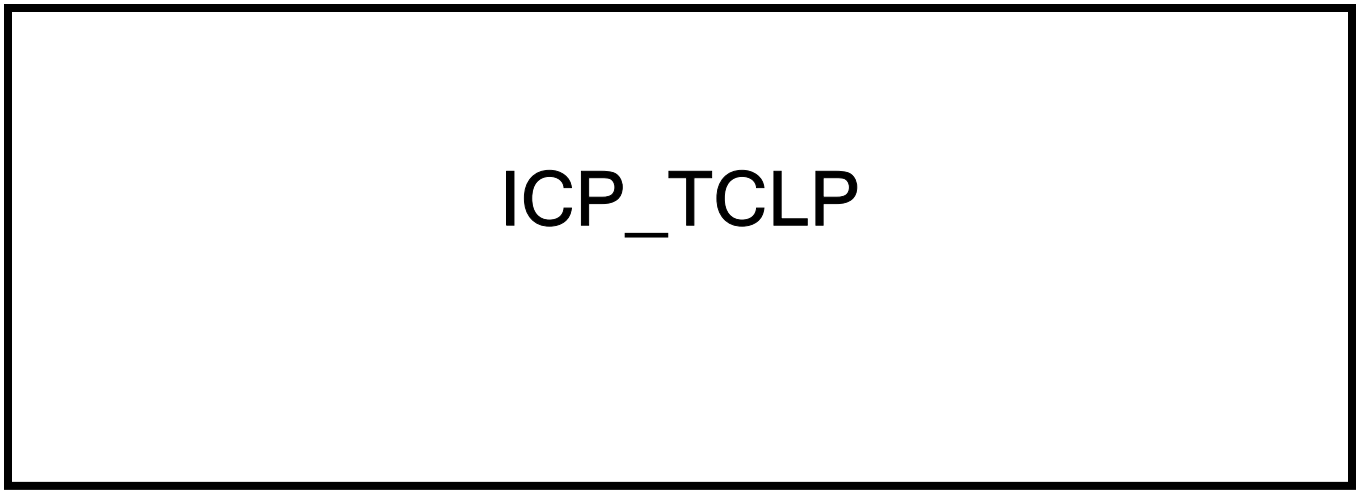
Initials	Date	Initials	Date
MV	7/24/2024		


ICP_STLC

PREPARATION BATCH SUMMARY

Laboratory:	AETL			Work Order:	BFG0235
Client:	Parsons			Project:	Exide Initial 200 Single Cleanup Unit (SCU)
Batch:	B4H0115	Batch Matrix:	Soil	Preparation:	CA WET- STLC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4H0115-BLK1	08/06/24 14:36	50.00	500
Blank	B4H0115-BLK2	08/06/24 14:36	50.00	500
D1529-WC-A1A2	BFG0235-01	08/06/24 14:36	50.00	500


ICP_TCLP

PREPARATION BATCH SUMMARY

Laboratory:	AETL			Work Order:	BFG0235
Client:	Parsons			Project:	Exide Initial 200 Single Cleanup Unit (SCU)
Batch:	B4H0116	Batch Matrix:	Soil	Preparation:	1311- Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
Blank	B4H0116-BLK1	08/07/24 14:45	100.00	2000
Blank	B4H0116-BLK2	08/07/24 14:45	100.00	2000
D1529-WC-A1A2	BFG0235-01	08/07/24 14:45	100.08	2002

METALS

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET
D1529-WC-A1A2

Laboratory:	AETL	SDG:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFG0235-01
Sampled:	07/24/24 08:41		
% Solids:	0.00		

Analyte	Concentration (mg/L)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Lead	ND	0.200	0.0461	1		B4H0189	08/12/24 16:14	EPA 6010B-1311 TCLP

PREPARATION BATCH SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL			Work Order:	BFG0235
Client:				Project:	684735
Batch:	B4H0189	Batch Matrix:	Soil	Preparation:	1311- ICP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4H0189-BLK1	08/12/24 10:45	10.00	50.00
LCS	B4H0189-BS1	08/12/24 10:45	10.00	50.00
LCS Dup	B4H0189-BSD1	08/12/24 10:45	10.00	50.00
Duplicate	B4H0189-DUP1	08/12/24 10:45	10.00	50.00
Matrix Spike	B4H0189-MS1	08/12/24 10:45	10.00	50.00
Matrix Spike Dup	B4H0189-MSD1	08/12/24 10:45	10.00	50.00
D1529-WC-A1A2	BFG0235-01	08/12/24 10:45	10.00	50.00

PREPARATION BENCH SHEET

B4H0189

AETL

Printed: 8/13/2024 10:53:24AM

Matrix: Soil **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4H0189-BLK1	QC	08/12/2024 10:45	10	50						
B4H0189-BS1	QC	08/12/2024 10:45	10	50	BE42111		50000			
B4H0189-BSD1	QC	08/12/2024 10:45	10	50	BE42111		50000			
B4H0189-DUP1	QC	08/12/2024 10:45	10	50		BFH0042-02				
B4H0189-MS1	QC	08/12/2024 10:45	10	50	BE42111	BFH0042-02	50000			
B4H0189-MSD1	QC	08/12/2024 10:45	10	50	BE42111	BFH0042-02	50000			
BFD0249-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0060-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0209-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0209-02	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0235-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0239-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0239-02	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0279-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0279-02	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFG0280-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50					Parsons	
BFH0027-03	TCLP-6010B-Se	08/12/2024 10:45	10	50						
BFH0032-01	zzm_6010B-TCLP	08/12/2024 10:45	10	50						
BFH0042-02	TCLP-6010B-Pb	08/12/2024 10:45	10	50						Added for BatchQC in: B4H0189
BFH0042-02	TCLP-6010B-Se	08/12/2024 10:45	10	50						Added for BatchQC in: B4H0189
BFH0042-02	TCLP-6010B-Ag	08/12/2024 10:45	10	50						Added for BatchQC in: B4H0189
BFH0042-02	TCLP-6010B-Cd	08/12/2024 10:45	10	50						Added for BatchQC in: B4H0189
BFH0042-02	zzm_6010B-TCLP	08/12/2024 10:45	10	50						

8/12/24 — iking Witnessed By — Date

8/12/24 — Preparation Reviewed By — Date

8/12/24 — Extracts Received By — Date

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PREPARATION BENCH SHEET

B4H0189

AETL

Printed: 8/13/2024 10:53:24AM

Matrix: Soil **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
BFH0042-02	TCLP-6010B-Cr	08/12/2024 10:45	10	50						Added for BatchQC in: B4H0189
BFH0042-03	zzm_6010B-TCLP	08/12/2024 10:45	10	50						
BFH0043-02	zzm_6010B-TCLP	08/12/2024 10:45	10	50						
BFH0090-01	TCLP-6010B-Ag	08/12/2024 10:45	10	50						
BFH0090-01	TCLP-6010B-Cr	08/12/2024 10:45	10	50						
BFH0090-01	TCLP-6010B-Pb	08/12/2024 10:45	10	50						
BFH0090-01	TCLP-6010B-Cd	08/12/2024 10:45	10	50						

Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK : A
THERMOMETER: 935177
UNCOR TEMP: 94 C
COR TEMP: 95 C
DIGESTION STARTED: 10:00 hrs
TIME END: 12:30 hrs

iking Witnessed By — 8/12/24 Date

Preparation Reviewed By — 8/12/24 Date

Extracts Received By — 8/12/24 Date

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ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFG0235
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4H0189-BLK1	File ID:	08122024BR.csv-065
Sampled:		Prepared:	08/12/24 10:45	Analyzed:	08/12/24 15:22
Solids:		Preparation:	1311- ICP	Dilution:	1
Batch:	B4H0189	Sequence:	S4H0008	Calibration:	4H13001
Instrument:	OPTIMA8300				
Column:	1				

ANALYTE	CONC. (mg/L)	MDL	RL	Q
Lead	ND	0.0461	0.200	

LCS / LCS DUPLICATE RECOVERY

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Preparation:	1311- ICP
Batch:	B4H0189	Laboratory ID:	B4H0189-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Lead	10.0	10.5	105	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	10.0	10.7	107	2.18	15	80 - 120

DUPLICATES

Duplicate

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	B4H0189-DUP1
Batch:	B4H0189	Initial/Final:	10 mL / 50 mL
Preparation:	1311- ICP	Analysis:	EPA 6010B-1311 TCLP
% Solids:			

ANALYTE	SAMPLE CONC. (mg/L)	DUPLICATE CONC. (mg/L)	RPD %	Q	CONTROL LIMIT
Lead	ND	ND			15

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B-1311 TCLP
Batch:	B4H0189	Preparation:	1311- ICP
% Solids:		Laboratory ID:	B4H0189-MS1
Column:		Sample Lab ID:	BFH0042-02

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Lead	10.0	ND	8.37	83.7	70 - 130

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Lead	10.0	8.27	82.7	1.25	15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL	SDG:	BFG0235
Client:		Project:	684735
Sequence:	S4H0008	Instrument:	OPTIMA8300
Calibration:	4H13001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0008-IBL1	08122024BR.csv-001	08/12/24 09:38
Cal Standard	S4H0008-CAL1	08122024BR.csv-002	08/12/24 09:41
Cal Standard	S4H0008-CAL3	08122024BR.csv-004	08/12/24 09:47
Cal Standard	S4H0008-CAL4	08122024BR.csv-005	08/12/24 09:50
Cal Standard	S4H0008-CAL5	08122024BR.csv-006	08/12/24 09:53
Cal Standard	S4H0008-CAL6	08122024BR.csv-007	08/12/24 09:56
Cal Standard	S4H0008-CAL2	08122024BR.csv-003	08/12/24 10:10
Initial Cal Check	S4H0008-ICV1	08122024BR.csv-009	08/12/24 10:58
Initial Cal Blank	S4H0008-ICB1	08122024BR.csv-010	08/12/24 11:01
Interference Check A	S4H0008-IFA1	08122024BR.csv-011	08/12/24 11:08
Interference Check B	S4H0008-IFB1	08122024BR.csv-012	08/12/24 11:11
Calibration Check	S4H0008-CCV1	08122024BR.csv-013	08/12/24 11:17
Calibration Blank	S4H0008-CCB1	08122024BR.csv-014	08/12/24 11:24
Calibration Check	S4H0008-CCV2	08122024BR.csv-036	08/12/24 12:51
Calibration Blank	S4H0008-CCB2	08122024BR.csv-037	08/12/24 12:54
Calibration Check	S4H0008-CCV3	08122024BR.csv-048	08/12/24 14:00
Calibration Blank	S4H0008-CCB3	08122024BR.csv-049	08/12/24 14:04
Calibration Check	S4H0008-CCV4	08122024BR.csv-054	08/12/24 14:26
Calibration Blank	S4H0008-CCB4	08122024BR.csv-055	08/12/24 14:29
Calibration Check	S4H0008-CCV5	08122024BR.csv-063	08/12/24 15:14
Calibration Blank	S4H0008-CCB5	08122024BR.csv-064	08/12/24 15:16
Blank	B4H0189-BLK1	08122024BR.csv-065	08/12/24 15:22
LCS	B4H0189-BS1	08122024BR.csv-066	08/12/24 15:26
LCS Dup	B4H0189-BSD1	08122024BR.csv-067	08/12/24 15:29
Duplicate	B4H0189-DUP1	08122024BR.csv-069	08/12/24 15:35
Matrix Spike	B4H0189-MS1	08122024BR.csv-070	08/12/24 15:38
Matrix Spike Dup	B4H0189-MSD1	08122024BR.csv-071	08/12/24 15:41
Calibration Check	S4H0008-CCV6	08122024BR.csv-075	08/12/24 16:05

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-1311 TCLP

Laboratory:	AETL	SDG:	BFG0235
Client:		Project:	684735
Sequence:	S4H0008	Instrument:	OPTIMA8300
Calibration:	4H13001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	S4H0008-CCB6	08122024BR.csv-076	08/12/24 16:08
D1529-WC-A1A2	BFG0235-01	08122024BR.csv-078	08/12/24 16:14
Calibration Check	S4H0008-CCV7	08122024BR.csv-087	08/12/24 16:43
Calibration Blank	S4H0008-CCB7	08122024BR.csv-088	08/12/24 16:46
Calibration Check	S4H0008-CCV8	08122024BR.csv-092	08/12/24 16:59
Calibration Blank	S4H0008-CCB8	08122024BR.csv-093	08/12/24 17:01

INITIAL CALIBRATION VERIFICATION

EPA 6010B-1311 TCLP

Laboratory: AETL
SDG: BFG0235
Client:
Project: 684735
Calibration: 4H13001
Laboratory ID: S4H0008-ICV1
Sequence: S4H0008
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	2.00	2.19	9.6	

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B-1311 TCLP

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0235
Project: 684735
Calibration: 4H13001
Sequence: S4H0008

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0008-ICV1	Lead	2.00	2.19	110	mg/L	+/- %
S4H0008-CCV1	Lead	2.00	2.20	110	mg/L	+/- %
S4H0008-CCV2	Lead	2.00	1.94	97.1	mg/L	+/- %
S4H0008-CCV3	Lead	2.00	2.16	108	mg/L	+/- %
S4H0008-CCV4	Lead	2.00	2.07	103	mg/L	+/- %
S4H0008-CCV5	Lead	2.00	2.04	102	mg/L	+/- %
S4H0008-CCV6	Lead	2.00	2.03	102	mg/L	+/- %
S4H0008-CCV7	Lead	2.00	1.97	98.3	mg/L	+/- %
S4H0008-CCV8	Lead	2.00	2.05	102	mg/L	+/- %

Blank Results

EPA 6010B-1311 TCLP

Laboratory: AETL
Work Order: BFG0235
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4H0008-ICB1	Lead	-0.00392	mg/L	0.0400
S4H0008-CCB1	Lead	-0.00400	mg/L	0.0400
S4H0008-CCB2	Lead	-0.0127	mg/L	0.0400
S4H0008-CCB3	Lead	-0.00850	mg/L	0.0400
S4H0008-CCB4	Lead	-0.0168	mg/L	0.0400
S4H0008-CCB5	Lead	-0.0139	mg/L	0.0400
S4H0008-CCB6	Lead	-0.0127	mg/L	0.0400
S4H0008-CCB7	Lead	-0.00991	mg/L	0.0400
S4H0008-CCB8	Lead	-0.000683	mg/L	0.0400

INTERFERENCE CHECK SAMPLE

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H13001
Sequence:	S4H0008		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0008-IFA1	Lead	0.00	0.01386	mg/L	-100	±0.00 %	8/12/24 11:08

INTERFERENCE CHECK SAMPLE

EPA 6010B-1311 TCLP

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H13001
Sequence:	S4H0008		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0008-IFB1	Lead	0.500	0.55094	mg/L	10	±0.00 %	8/12/24 11:11

SAMPLE DATA

SAMPLE DATA
METALS

FORM I
ANALYSIS DATA SHEET

D1529-WC-A1A2

Laboratory:	AETL	SDG:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	BFG0235-01
Sampled:	07/24/24 08:41		
% Solids:	0.00		

Analyte	Concentration (mg/L)	PQL	MDL	DF	Q	Batch	Analyzed	Method
Lead	1.80	0.800	0.328	2	D	B4H0212	08/13/24 14:40	EPA

PREPARATION BATCH SUMMARY

EPA 6010B-STLC

Laboratory:	AETL			Work Order:	BFG0235
Client:				Project:	684735
Batch:	B4H0212	Batch Matrix:	Soil	Preparation:	STLC- ICP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
Blank	B4H0212-BLK1	08/13/24 08:50	5.00	50.00
LCS	B4H0212-BS1	08/13/24 08:50	5.00	50.00
LCS Dup	B4H0212-BSD1	08/13/24 08:50	5.00	50.00
Duplicate	B4H0212-DUP1	08/13/24 08:50	5.00	50.00
Matrix Spike	B4H0212-MS1	08/13/24 08:50	5.00	50.00
Matrix Spike Dup	B4H0212-MSD1	08/13/24 08:50	5.00	50.00
D1529-WC-A1A2	BFG0235-01	08/13/24 08:50	5.00	50.00

PREPARATION BENCH SHEET

B4H0212

AETL

Printed: 8/14/2024 9:49:27AM

Matrix: Soil **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
B4H0212-BLK1	QC	08/13/2024 08:50	5	50						
B4H0212-BS1	QC	08/13/2024 08:50	5	50	BE42111		50000			
B4H0212-BSD1	QC	08/13/2024 08:50	5	50	BE42111		50000			
B4H0212-DUP1	QC	08/13/2024 08:50	5	50		BFG0280-01				
B4H0212-MS1	QC	08/13/2024 08:50	5	50	BE42111	BFG0280-01	50000			
B4H0212-MSD1	QC	08/13/2024 08:50	5	50	BE42111	BFG0280-01	50000			
BFC0334-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFD0249-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFD0272-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0060-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0131-01	STLC-6010B-Se	08/13/2024 08:50	5	50						
BFG0209-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0209-02	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0235-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0239-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0239-02	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0279-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0279-02	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0280-01	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFG0280-01	STLC-6010B-Se	08/13/2024 08:50	5	50					Parsons	Added for BatchQC in: B4H0212
BFG0280-02	STLC-6010B-Pb	08/13/2024 08:50	5	50					Parsons	
BFH0027-03	STLC-6010B-Se	08/13/2024 08:50	5	50						
BFH0065-01	STLC-6010B-Pb	08/13/2024 08:50	5	50						

8/13/24 — iking Witnessed By — Date

8/13/24 — Preparation Reviewed By — Date

8/13/24 — Extracts Received By — Date

PREPARATION BENCH SHEET

B4H0212

AETL

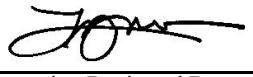
Printed: 8/14/2024 9:49:27AM

Matrix: Soil **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

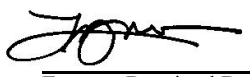
Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments

Pipette/Tip: 544461197/B107005
5Oml Tube: MP3971
HOTBLOCK: E
THERMOMETER: 2763
UNCOR TEMP: 95 C
COR TEMP: 95 C
DIGESTION STARTED: 09:00 hrs
TIME END: 11:30 hrs

iking Witnessed By 8/13/24 Date



Preparation Reviewed By 8/13/24 Date



Extracts Received By 8/13/24 Date

ANALYSIS DATA SHEET

Blank

Laboratory:	AETL			Work Order:	BFG0235
Client:			Project:	684735	
Matrix:	Soil	Laboratory ID:	B4H0212-BLK1	File ID:	08132024R.csv-069
Sampled:		Prepared:	08/13/24 08:50	Analyzed:	08/13/24 13:42
Solids:		Preparation:	STLC- ICP	Dilution:	2
Batch:	B4H0212	Sequence:	S4H0009	Calibration:	4H14001
Column:	1				

Instrument: OPTIMA8300

ANALYTE	CONC. (mg/L)	MDL	RL	Q
Lead	ND	0.328	0.800	D

LCS / LCS DUPLICATE RECOVERY

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Preparation:	STLC- ICP
Batch:	B4H0212	Laboratory ID:	B4H0212-BS1
Column:			

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Lead	20.0	19.2	95.8	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	20.0	21.1	106	9.81	15	80 - 120

DUPLICATES

Duplicate

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Laboratory ID:	B4H0212-DUP1
Batch:	B4H0212	Initial/Final:	5 mL / 50 mL
Preparation:	STLC- ICP	Analysis:	EPA 6010B-STLC

% Solids:

ANALYTE	SAMPLE CONC. (mg/L)	DUPLICATE CONC. (mg/L)	RPD %	Q	CONTROL LIMIT
Lead	4.35	4.26	2.03		15

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Matrix:	Soil	Analysis:	EPA 6010B-STLC
Batch:	B4H0212	Preparation:	STLC- ICP
% Solids:		Laboratory ID:	B4H0212-MS1
Column:		Sample Lab ID:	BFG0280-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Lead	20.0	4.35	21.9 D	87.7	70 - 130

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Lead	20.0	19.9 D	77.6	9.67	15	70 - 130

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-STLC

Laboratory:	AETL	SDG:	BFG0235
Client:		Project:	684735
Sequence:	S4H0009	Instrument:	OPTIMA8300
Calibration:	4H14001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0009-IBL1	08132024R.csv-001	08/13/24 07:51
Cal Standard	S4H0009-CAL2	08132024R.csv-003	08/13/24 07:58
Cal Standard	S4H0009-CAL3	08132024R.csv-004	08/13/24 08:01
Cal Standard	S4H0009-CAL4	08132024R.csv-005	08/13/24 08:04
Cal Standard	S4H0009-CAL5	08132024R.csv-006	08/13/24 08:07
Cal Standard	S4H0009-CAL6	08132024R.csv-007	08/13/24 08:10
Cal Standard	S4H0009-CAL1	08132024R.csv-002	08/13/24 08:45
Initial Cal Check	S4H0009-ICV1	08132024R.csv-009	08/13/24 09:05
Initial Cal Blank	S4H0009-ICB1	08132024R.csv-010	08/13/24 09:11
Interference Check A	S4H0009-IFA1	08132024R.csv-011	08/13/24 09:14
Interference Check B	S4H0009-IFB1	08132024R.csv-012	08/13/24 09:17
Calibration Check	S4H0009-CCV1	08132024R.csv-013	08/13/24 09:20
Calibration Blank	S4H0009-CCB1	08132024R.csv-014	08/13/24 09:24
Calibration Check	S4H0009-CCV2	08132024R.csv-036	08/13/24 11:21
Calibration Blank	S4H0009-CCB2	08132024R.csv-037	08/13/24 11:27
Calibration Check	S4H0009-CCV3	08132024R.csv-048	08/13/24 12:03
Calibration Blank	S4H0009-CCB3	08132024R.csv-049	08/13/24 12:07
Calibration Check	S4H0009-CCV4	08132024R.csv-060	08/13/24 12:42
Calibration Blank	S4H0009-CCB4	08132024R.csv-061	08/13/24 12:45
Calibration Check	S4H0009-CCV5	08132024R.csv-067	08/13/24 13:22
Calibration Blank	S4H0009-CCB5	08132024R.csv-068	08/13/24 13:28
Blank	B4H0212-BLK1	08132024R.csv-069	08/13/24 13:42
LCS	B4H0212-BS1	08132024R.csv-070	08/13/24 13:45
LCS Dup	B4H0212-BSD1	08132024R.csv-071	08/13/24 13:48
Duplicate	B4H0212-DUP1	08132024R.csv-073	08/13/24 13:54
Matrix Spike	B4H0212-MS1	08132024R.csv-074	08/13/24 13:58
Matrix Spike Dup	B4H0212-MSD1	08132024R.csv-075	08/13/24 14:01
Calibration Check	S4H0009-CCV6	08132024R.csv-079	08/13/24 14:14

INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

EPA 6010B-STLC

Laboratory:	AETL	SDG:	BFG0235
Client:		Project:	684735
Sequence:	S4H0009	Instrument:	OPTIMA8300
Calibration:	4H14001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	S4H0009-CCB6	08132024R.csv-080	08/13/24 14:17
D1529-WC-A1A2	BFG0235-01	08132024R.csv-087	08/13/24 14:40
Calibration Check	S4H0009-CCV7	08132024R.csv-091	08/13/24 14:53
Calibration Blank	S4H0009-CCB7	08132024R.csv-092	08/13/24 14:58
Calibration Check	S4H0009-CCV8	08132024R.csv-097	08/13/24 15:14
Calibration Blank	S4H0009-CCB8	08132024R.csv-098	08/13/24 15:18

INITIAL CALIBRATION VERIFICATION

EPA 6010B-STLC

Laboratory: AETL
SDG: BFG0235
Client:
Project: 684735
Calibration: 4H14001
Laboratory ID: S4H0009-ICV1
Sequence: S4H0009
Standard ID: BE42111

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Lead	2.00	2.06	3.2	10.00

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H14001
		Sequence:	S4H0009

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S4H0009-ICV1	Lead	2.00	2.06	103	mg/L	+/- 10.00%
S4H0009-CCV1	Lead	2.00	2.11	105	mg/L	+/- 10.00%
S4H0009-CCV2	Lead	2.00	1.99	99.6	mg/L	+/- 10.00%
S4H0009-CCV3	Lead	2.00	1.94	97.2	mg/L	+/- 10.00%
S4H0009-CCV4	Lead	2.00	1.88	94.1	mg/L	+/- 10.00%
S4H0009-CCV5	Lead	2.00	1.92	95.8	mg/L	+/- 10.00%
S4H0009-CCV6	Lead	2.00	1.89	94.7	mg/L	+/- 10.00%
S4H0009-CCV7	Lead	2.00	1.80	90.0	mg/L	+/- 10.00%
S4H0009-CCV8	Lead	2.00	2.02	101	mg/L	+/- 10.00%

Blank Results

EPA 6010B-STLC

Laboratory: AETL
Work Order: BFG0235
Client:
Project: 684735

Lab Sample ID	Analyte	Found	Units	RL
S4H0009-ICB1	Lead	-0.0188	mg/L	0.0400
S4H0009-CCB1	Lead	0.00593	mg/L	0.0400
S4H0009-CCB2	Lead	0.00742	mg/L	0.0400
S4H0009-CCB3	Lead	0.00816	mg/L	0.0400
S4H0009-CCB4	Lead	0.000359	mg/L	0.0400
S4H0009-CCB5	Lead	-0.00348	mg/L	0.0400
S4H0009-CCB6	Lead	0.00766	mg/L	0.0400
S4H0009-CCB7	Lead	0.00951	mg/L	0.0400
S4H0009-CCB8	Lead	0.00737	mg/L	0.0400

INTERFERENCE CHECK SAMPLE

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H14001
Sequence:	S4H0009		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0009-IFA1	Lead	0.00	-0.03622	mg/L	-100	±20.00 %	8/13/24 9:14

INTERFERENCE CHECK SAMPLE

EPA 6010B-STLC

Laboratory:	AETL	Work Order:	BFG0235
Client:		Project:	684735
Instrument ID:	OPTIMA8300	Calibration:	4H14001
Sequence:	S4H0009		

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0009-IFB1	Lead	0.500	0.57309	mg/L	15	±20.00 %	8/13/24 9:17

Report Prepared For:

Parsons

Client Project Description:

E1077 - 3067 E 60th PL, Huntington Park, CA 90255

ATL Work Order: 2401218

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

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Work Order Number: 2401218

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August 16, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401218

Client Reference : E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Enclosed are the results for sample(s) received on July 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 09:19 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E1077-WC-A1A2	2401218-01	Soil	7/19/24 11:25	7/19/24 14:22
E1077-WC-A1A2A3	2401218-02	Soil	7/19/24 11:27	7/19/24 14:22

Certificate of Analysis

Parsons		Project Number :	E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 19th, 2024 at 14:22. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
Q2	Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B18	Associated method blank above MDL, but below half of the PQL value. Therefore, reanalysis is not necessary.
B16	Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B14	Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B	Analyte detected in the associated method blank above the PQL.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

TCLP Metals by ICP-AES EPA 6010B

Analyte: Lead **Analyst: KK2**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401218-02	E1077-WC-A1A 2A3	**0.055**	mg/L	0.10	0.020	5	B4H0605	08/12/2024	08/14/24 17:39	J

STLC Metals by ICP-AES by EPA 6010B

Analyte: Lead **Analyst: KK2**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401218-01	E1077-WC-A1A 2	**3.5**	mg/L	0.10	0.020	5	B4H0616	08/12/2024	08/14/24 20:03	
2401218-02	E1077-WC-A1A 2A3	**3.4**	mg/L	0.10	0.020	5	B4H0616	08/12/2024	08/14/24 20:05	

Client Sample ID: E1077-WC-A1A2

Lab ID: 2401218-01

Total Metals by ICP-AES EPA 6010B

Analyst: NP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.8**	2.0	0.77	1	B4G0840	07/19/2024	07/25/24 14:37	
Arsenic	**4.4**	2.0	0.71	1	B4G0840	07/19/2024	07/25/24 14:37	
Cadmium	**1.7**	1.0	0.06	1	B4G0840	07/19/2024	07/25/24 14:37	
Copper	**30**	1.0	0.22	1	B4G0840	07/19/2024	07/25/24 14:37	B
Lead	**99**	1.0	0.18	1	B4G0840	07/19/2024	07/25/24 14:37	
Zinc	**240**	2.0	0.30	1	B4G0840	07/19/2024	07/25/24 14:37	

Certificate of Analysis

Parsons		Project Number :	E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

Client Sample ID: E1077-WC-A1A2A3

Lab ID: 2401218-02

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.3**	2.0	0.77	1	B4G0840	07/19/2024	07/25/24 14:39	
Arsenic	**6.0**	2.0	0.71	1	B4G0840	07/19/2024	07/25/24 14:39	
Cadmium	**1.7**	1.0	0.06	1	B4G0840	07/19/2024	07/25/24 14:39	
Copper	**31**	1.0	0.22	1	B4G0840	07/19/2024	07/25/24 14:39	B
Lead	**110**	1.0	0.18	1	B4G0840	07/19/2024	07/25/24 14:39	
Zinc	**210**	2.0	0.30	1	B4G0840	07/19/2024	07/25/24 14:39	

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0840 - EPA 3050B_S										
Blank (B4G0840-BLK1)						Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	0.271355	1.0	0.22							B18, J
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0840-BS1)						Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	24.3626	2.0	0.77	25.0000		97.5	80 - 120			
Arsenic	25.0212	2.0	0.71	25.0000		100	80 - 120			
Cadmium	23.5386	1.0	0.06	25.0000		94.2	80 - 120			
Copper	23.6842	1.0	0.22	25.0000		94.7	80 - 120			B
Lead	24.5746	1.0	0.18	25.0000		98.3	80 - 120			
Zinc	24.9992	2.0	0.30	25.0000		100	80 - 120			
Matrix Spike (B4G0840-MS1)			**Source: 2401219-01**			Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	24.9861	2.0	0.77	25.0000	3.07466	87.6	75 - 125			
Arsenic	24.7286	2.0	0.71	25.0000	2.20375	90.1	75 - 125			
Cadmium	24.4750	1.0	0.06	25.0000	0.979286	94.0	75 - 125			
Copper	42.9445	1.0	0.22	25.0000	18.5063	97.8	75 - 125			B
Lead	208.110	1.0	0.18	25.0000	175.119	132	75 - 125			M2
Zinc	185.260	2.0	0.30	25.0000	151.141	136	75 - 125			M2
Matrix Spike Dup (B4G0840-MSD1)			**Source: 2401219-01**			Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	24.6405	2.0	0.77	25.0000	3.07466	86.3	75 - 125	1.39	20	
Arsenic	24.6496	2.0	0.71	25.0000	2.20375	89.8	75 - 125	0.320	20	
Cadmium	24.6696	1.0	0.06	25.0000	0.979286	94.8	75 - 125	0.792	20	
Copper	42.3674	1.0	0.22	25.0000	18.5063	95.4	75 - 125	1.35	20	B
Lead	210.803	1.0	0.18	25.0000	175.119	143	75 - 125	1.29	20	M2
Zinc	185.670	2.0	0.30	25.0000	151.141	138	75 - 125	0.221	20	M2

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0840 - EPA 3050B_S									
Post Spike (B4G0840-PS1)			**Source: 2401219-01**		Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	0.452335		0.500000	0.061493	78.2	75 - 125			
Arsenic	0.480897		0.500000	0.044075	87.4	75 - 125			
Cadmium	0.480079		0.500000	0.019586	92.1	75 - 125			
Copper	0.831638		0.500000	0.370126	92.3	75 - 125			B
Lead	5.93600		0.500000	3.50238	487	75 - 125			M2
Zinc	3.44607		0.500000	3.02283	84.6	75 - 125			

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

TCLP Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4H0605 - EPA 3010A_TCLP_S										
Blank (B4H0605-BLK1)						Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	ND	0.10	0.020							U
LCS (B4H0605-BS1)						Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	0.530860	0.10	0.020	0.500000		106	80 - 120			
Matrix Spike (B4H0605-MS1)			**Source: 2400900-01**			Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	0.499793	0.10	0.020	0.500000	0.030186	93.9	75 - 125			
Matrix Spike Dup (B4H0605-MSD1)			**Source: 2400900-01**			Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	0.493574	0.10	0.020	0.500000	0.030186	92.7	75 - 125	1.25	20	
Post Spike (B4H0605-PS1)			**Source: 2400900-01**			Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	0.531761			0.500000	0.030186	100	75 - 125			

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4H0616 - STLC_S Extraction										
Blank (B4H0616-BLK1)						Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	0.047043	0.10	0.020							B18, J
LCS (B4H0616-BS1)						Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	0.558682	0.10	0.020	0.500000		112	80 - 120			
Matrix Spike (B4H0616-MS1)			**Source: 2401209-02**			Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	5.06508	0.10	0.020	0.500000	4.53194	107	75 - 125			
Matrix Spike Dup (B4H0616-MSD1)			**Source: 2401209-02**			Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	4.99975	0.10	0.020	0.500000	4.53194	93.6	75 - 125	1.30	20	
Post Spike (B4H0616-PS1)			**Source: 2401209-02**			Prepared: 8/12/2024 Analyzed: 8/14/2024				
Lead	4.93610			0.500000	4.53194	80.8	75 - 125			

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐3SO ☐Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:
	City: Pasadena	State: CA	Zip: 91124	Fax:

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

Project Name: DTSC Exide Residential	Quote #:	
Site Address: 3067 E 60th Pl, Huntington Park, CA 90255	Site ID: E1077	
Project No.: 684735	PO #:	
Sampler: Joshua Cottingham		

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1-Tube; 2-VOA; 3-Liter; 4-Pint; 5-Jar; 6-Tedlar; 7-Canister	Material: 1-Glass; 2-Plastic; 3-Metal	Preservative: 1-HCl; 2-HNO3; 3-H2SO4; 4-DI; 5-NaOH; 6-ZnAc2+NaOH; 7-NaAsO2	Remarks
1	1	E1077-WC-A1A2	E1077-WC	7/19/2024	1125	x	x	x		1	5	1		
2	2	E1077-WC-A1A2A3	E1077-WC	7/19/2024	1127	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7-19-24	1400	[signature]	7/19/24	1400
[signature]	7/19/24	1422	[signature]	7/19/24	1422
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

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Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Monday, August 5, 2024 11:59 AM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Follow Up Flag: Follow up
Flag Status: Flagged

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. B0776-WC-A1A2 (LAB REPORT 2401209): STLC and TCLP for lead
2. B0776-WC-A1A2A3 (LAB REPORT 2401209): STLC and TCLP for lead
3. B1056-WC-A1A2 (LAB REPORT 2401207): STLC and TCLP for lead
4. B1056-WC-A1A2A3 (LAB REPORT 2401207): STLC and TCLP for lead
5. B0856-WC-A1A2 (LAB REPORT 2401211): STLC and TCLP for lead
6. B0856-WC-A1A2A3 (LAB REPORT 2401211): STLC and TCLP for lead
7. E1077-WC-A1A2 (LAB REPORT 2401218): STLC for lead
8. E1077-WC-A1A2A3 (LAB REPORT 2401218): STLC and TCLP for lead
9. D1444-WC-A1A2 (LAB REPORT 2401220): STLC and TCLP for lead
10. D1444-WC-A1A2A3 (LAB REPORT 2401220): STLC and TCLP for lead
11. B0780-WC-A1A2 (LAB REPORT 2401227): STLC and TCLP for lead
12. B0780-WC-A1A2A3 (LAB REPORT 2401227): STLC and TCLP for lead
13. D1338-WC-A1A2 (LAB REPORT 2401225): STLC and TCLP for lead
14. D1338-WC-A1A2A3 (LAB REPORT 2401225): STLC and TCLP for lead

Thank you,

Nishka Parikh
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Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401218

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**E1077 - 3067 E 60th PL, Huntington Park, CA 90255**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	08/12/2024 20:00	Received in Lab:	07/19/2024 14:22
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Thoai Trinh		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401218-01 E1077-WC-A1A2 [Soil] Sampled 07/19/2024 11:25			
6010_STLC Ver: Pb	08/12/2024 20:00	01/15/2025 00:00	
6010_Exide_6 Metals Ver: NONE	08/12/2024 20:00	01/15/2025 00:00	1
2401218-02 E1077-WC-A1A2A3 [Soil] Sampled 07/19/2024 11:27			
6010_TCLP Ver: Pb	08/12/2024 20:00	01/15/2025 00:00	
6010_STLC Ver: Pb	08/12/2024 20:00	01/15/2025 00:00	
6010_Exide_6 Metals Ver: NONE	08/12/2024 20:00	01/15/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401218

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**E1077 - 3067 E 60th PL, Huntington Park, CA 90255**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 18. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
E1077-WC-A1A2	2401218-01
E1077-WC-A1A2A3	2401218-02

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-01 | Laboratory ID: E1077-WC-A1A2

Sampled: 07/19/24 11:25 | Prepared: 07/19/24 17:35 | Analyzed: 07/25/24 14:37

Batch: B4G0840 | Sequence: S4G0672 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.8	0.77	2.0	1	
7440-38-2	Arsenic	4.4	0.71	2.0	1	
7440-43-9	Cadmium	1.7	0.06	1.0	1	
7440-50-8	Copper	30	0.22	1.0	1	B
7439-92-1	Lead	99	0.18	1.0	1	
7440-66-6	Zinc	240	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-02 | Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27 | Prepared: 07/19/24 17:35 | Analyzed: 07/25/24 14:39

Batch: B4G0840 | Sequence: S4G0672 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.3	0.77	2.0	1	
7440-38-2	Arsenic	6.0	0.71	2.0	1	
7440-43-9	Cadmium	1.7	0.06	1.0	1	
7440-50-8	Copper	31	0.22	1.0	1	B
7439-92-1	Lead	110	0.18	1.0	1	
7440-66-6	Zinc	210	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401218
Client:	Parsons	Project:	E1077 - 3067 E 60th PL, Huntington Park, CA 9(
Batch:	B4G0840 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
E1077-WC-A1A2	2401218-01	07/19/24 17:35	1.00	50
E1077-WC-A1A2A3	2401218-02	07/19/24 17:35	1.00	50
Blank	B4G0840-BLK1	07/19/24 17:42	1.00	50
LCS	B4G0840-BS1	07/19/24 17:42	1.00	50
Matrix Spike	B4G0840-MS1	07/19/24 17:42	1.00	50
Matrix Spike Dup	B4G0840-MSD1	07/19/24 17:42	1.00	50
Dilution Check	B4G0840-SRL1	07/19/24 17:42	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0840

Extraction Method: EPA 3050B_S

Analysis Method: EPA 6010B

Batch Start Date: 07/22/2024 12:30 **Batch Analyst:** DL2

Batch End Date: 07/22/2024 14:45

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401218-01	E1077-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401218-02	E1077-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0840-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0840-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0840-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401219-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0840-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401219-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0840-SRL1	Dilution Check	1.00	50.00			2401219-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0571	1:1 Nitric Acid	NA
A4G0395	Hydrogen Peroxide	K54376509
A4D0549	Concentrated Hydrochloric Acid	4123090
A4G0398	Concentrated Nitric Acid	240238

Equipment Used

Type	Equipment ID	LotNum
Thermometer ID	MPTHERM 09	935128
Pipette	MPP01	22E77439
Digestion Unit	DB01	4507CEC2139
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP01	04K58398
Dispenser ID	MPDISP02	347844

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0840

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0840-BLK1	Antimony	0.073166	0.77	2.0	07/25/24 14:20	U	EPA 6010B
	Arsenic	0.409308	0.71	2.0	07/25/24 14:20	U	EPA 6010B
	Cadmium	-0.191799	0.06	1.0	07/25/24 14:20	U	EPA 6010B
	Copper	0.271355	0.22	1.0	07/25/24 14:20	318,	EPA 6010B
	Lead	-0.255502	0.18	1.0	07/25/24 14:20	U	EPA 6010B
	Zinc	-0.067600	0.30	2.0	07/25/24 14:20	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg

Laboratory ID: B4G0840-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	24.3626	25.0000	97.5		80 - 120
Arsenic	25.0212	25.0000	100		80 - 120
Cadmium	23.5386	25.0000	94.2		80 - 120
Copper	23.6842	25.0000	94.7	B	80 - 120
Lead	24.5746	25.0000	98.3		80 - 120
Zinc	24.9992	25.0000	100		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg
Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	3.07466	24.9861	25.0000	87.6		75 - 125
Arsenic	2.20375	24.7286	25.0000	90.1		75 - 125
Cadmium	0.979286	24.4750	25.0000	94.0		75 - 125
Copper	18.5063	42.9445	25.0000	97.8	B	75 - 125
Lead	175.119	208.110	25.0000	132	M2	75 - 125
Zinc	151.141	185.260	25.0000	136	M2	75 - 125

Laboratory ID: B4G0840-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS % RPD	CONTROL LIMITS % R
Antimony	24.6405	86.3	1.39	25.0000		20	75 - 125
Arsenic	24.6496	89.8	0.320	25.0000		20	75 - 125
Cadmium	24.6696	94.8	0.792	25.0000		20	75 - 125
Copper	42.3674	95.4	1.35	25.0000	B	20	75 - 125
Lead	210.803	143	1.29	25.0000	M2	20	75 - 125
Zinc	185.670	138	0.221	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0840

Concentration Units: mg/L

Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0840-PS1						
Antimony	0.061493	0.452335	0.500000	78.2		75 - 125
Arsenic	0.044075	0.480897	0.500000	87.4		75 - 125
Cadmium	0.019586	0.480079	0.500000	92.1		75 - 125
Copper	0.370126	0.831638	0.500000	92.3	B	75 - 125
Lead	3.50238	5.93600	0.500000	487	M2	75 - 125
Zinc	3.02283	3.44607	0.500000	84.6		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4G0672

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0672-IBL1	240725-02 RR-001	07/25/24 12:14
Cal Standard	S4G0672-CAL1	240725-02 RR-002	07/25/24 12:17
Cal Standard	S4G0672-CAL2	240725-02 RR-003	07/25/24 12:19
Cal Standard	S4G0672-CAL3	240725-02 RR-004	07/25/24 12:21
Cal Standard	S4G0672-CAL4	240725-02 RR-005	07/25/24 12:24
Cal Standard	S4G0672-CAL5	240725-02 RR-006	07/25/24 12:26
Cal Standard	S4G0672-CAL6	240725-02 RR-007	07/25/24 12:28
Cal Standard	S4G0672-CAL7	240725-02 RR-008	07/25/24 12:30
Initial Cal Check	S4G0672-ICV1	240725-02 RR-009	07/25/24 12:37
Initial Cal Blank	S4G0672-ICB1	240725-02 RR-010	07/25/24 12:39
Interference Check A	S4G0672-IFA1	240725-02 RR-012	07/25/24 12:48
Interference Check B	S4G0672-IFB1	240725-02 RR-013	07/25/24 12:50
Calibration Check	S4G0672-CCV2	240725-02 RR-026	07/25/24 14:02
Calibration Blank	S4G0672-CCB2	240725-02 RR-027	07/25/24 14:04
Blank	B4G0840-BLK1	240725-02 RR-035	07/25/24 14:20
LCS	B4G0840-BS1	240725-02 RR-036	07/25/24 14:22
Matrix Spike	B4G0840-MS1	240725-02 RR-037	07/25/24 14:24
Calibration Check	S4G0672-CCV3	240725-02 RR-038	07/25/24 14:26
Calibration Blank	S4G0672-CCB3	240725-02 RR-039	07/25/24 14:28
Matrix Spike Dup	B4G0840-MSD1	240725-02 RR-040	07/25/24 14:30
Post Spike	B4G0840-PS1	240725-02 RR-041	07/25/24 14:32
Dilution Check	B4G0840-SRL1	240725-02 RR-042	07/25/24 14:34
E1077-WC-A1A2	2401218-01	240725-02 RR-043	07/25/24 14:37
E1077-WC-A1A2A3	2401218-02	240725-02 RR-044	07/25/24 14:39
Calibration Check	S4G0672-CCV4	240725-02 RR-050	07/25/24 14:50
Calibration Blank	S4G0672-CCB4	240725-02 RR-051	07/25/24 14:52

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0493

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0672-ICV1	Antimony	0.500000	0.494062	98.8	07/25/24 12:37	+/- 10.00%
	Arsenic	0.500000	0.511460	102	07/25/24 12:37	+/- 10.00%
	Cadmium	0.500000	0.502564	101	07/25/24 12:37	+/- 10.00%
	Copper	0.500000	0.501532	100	07/25/24 12:37	+/- 10.00%
	Lead	0.500000	0.538017	108	07/25/24 12:37	+/- 10.00%
	Zinc	0.500000	0.529773	106	07/25/24 12:37	+/- 10.00%
S4G0672-CCV2	Antimony	2.00000	1.98929	99.5	07/25/24 14:02	+/- 10.00%
	Arsenic	2.00000	1.98863	99.4	07/25/24 14:02	+/- 10.00%
	Cadmium	2.00000	2.01761	101	07/25/24 14:02	+/- 10.00%
	Copper	2.00000	1.95149	97.6	07/25/24 14:02	+/- 10.00%
	Lead	2.00000	1.96741	98.4	07/25/24 14:02	+/- 10.00%
	Zinc	2.00000	2.03468	102	07/25/24 14:02	+/- 10.00%
S4G0672-CCV3	Antimony	2.00000	1.95483	97.7	07/25/24 14:26	+/- 10.00%
	Arsenic	2.00000	2.00746	100	07/25/24 14:26	+/- 10.00%
	Cadmium	2.00000	2.00805	100	07/25/24 14:26	+/- 10.00%
	Copper	2.00000	1.95617	97.8	07/25/24 14:26	+/- 10.00%
	Lead	2.00000	1.94883	97.4	07/25/24 14:26	+/- 10.00%
	Zinc	2.00000	2.02433	101	07/25/24 14:26	+/- 10.00%
S4G0672-CCV4	Antimony	2.00000	1.98197	99.1	07/25/24 14:50	+/- 10.00%
	Arsenic	2.00000	2.02115	101	07/25/24 14:50	+/- 10.00%
	Cadmium	2.00000	2.02801	101	07/25/24 14:50	+/- 10.00%
	Copper	2.00000	1.95334	97.7	07/25/24 14:50	+/- 10.00%
	Lead	2.00000	1.95727	97.9	07/25/24 14:50	+/- 10.00%
	Zinc	2.00000	2.04599	102	07/25/24 14:50	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0672

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0672-ICB1	Antimony	0.008406	0.02	0.04	07/25/24 12:39		EPA 6010B
	Arsenic	0.003224	0.01	0.04	07/25/24 12:39		EPA 6010B
	Cadmium	-0.002294	0.001	0.02	07/25/24 12:39	U	EPA 6010B
	Copper	0.004593	0.004	0.02	07/25/24 12:39	B16	EPA 6010B
	Lead	0.000058	0.004	0.02	07/25/24 12:39		EPA 6010B
	Zinc	-0.009617	0.006	0.04	07/25/24 12:39	U	EPA 6010B
S4G0672-CCB2	Antimony	0.010976	0.02	0.04	07/25/24 14:04		EPA 6010B
	Arsenic	0.000421	0.01	0.04	07/25/24 14:04		EPA 6010B
	Cadmium	-0.003258	0.001	0.02	07/25/24 14:04	U	EPA 6010B
	Copper	0.004808	0.004	0.02	07/25/24 14:04	B13	EPA 6010B
	Lead	-6.6367E-3	0.004	0.02	07/25/24 14:04	U	EPA 6010B
	Zinc	-0.007444	0.006	0.04	07/25/24 14:04	U	EPA 6010B
S4G0672-CCB3	Antimony	0.010314	0.02	0.04	07/25/24 14:28		EPA 6010B
	Arsenic	0.004090	0.01	0.04	07/25/24 14:28		EPA 6010B
	Cadmium	-3.4916E-3	0.001	0.02	07/25/24 14:28	U	EPA 6010B
	Copper	0.005509	0.004	0.02	07/25/24 14:28	B13	EPA 6010B
	Lead	-0.003346	0.004	0.02	07/25/24 14:28	U	EPA 6010B
	Zinc	-0.006834	0.006	0.04	07/25/24 14:28	U	EPA 6010B
S4G0672-CCB4	Antimony	8.4037E-3	0.02	0.04	07/25/24 14:52		EPA 6010B
	Arsenic	0.006165	0.01	0.04	07/25/24 14:52		EPA 6010B
	Cadmium	-0.003893	0.001	0.02	07/25/24 14:52	U	EPA 6010B
	Copper	0.005666	0.004	0.02	07/25/24 14:52	B13	EPA 6010B
	Lead	-0.009089	0.004	0.02	07/25/24 14:52	U	EPA 6010B
	Zinc	-0.004154	0.006	0.04	07/25/24 14:52	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0672-IFA1	Antimony		0.02726	mg/L		<0.04	7/25/24 12:48
	Arsenic		0.00816	mg/L		<0.04	7/25/24 12:48
	Cadmium		0.00264	mg/L		<0.02	7/25/24 12:48
	Copper		-0.00101	mg/L		<0.02	7/25/24 12:48
	Lead		-0.04593	mg/L		<0.02	7/25/24 12:48
	Zinc		-0.01052	mg/L		<0.04	7/25/24 12:48

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0672-IFB1	Antimony	0.500000	0.54070	mg/L	-8	±20.00 %	7/25/24 12:50
	Arsenic	0.500000	0.46802	mg/L	6	±20.00 %	7/25/24 12:50
	Cadmium	0.500000	0.49470	mg/L	1	±20.00 %	7/25/24 12:50
	Copper	0.500000	0.52653	mg/L	-5	±20.00 %	7/25/24 12:50
	Lead	0.500000	0.43719	mg/L	13	±20.00 %	7/25/24 12:50
	Zinc	0.500000	0.47723	mg/L	5	±20.00 %	7/25/24 12:50

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Sample Data

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-01 | Laboratory ID: E1077-WC-A1A2

Sampled: 07/19/24 11:25 | Prepared: 08/12/24 12:12 | Analyzed: 08/14/24 20:03

Batch: B4H0616 | Sequence: S4H0472 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4H0536 | Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	3.5	0.020	0.10	5	

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-02 | Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27 | Prepared: 08/12/24 12:12 | Analyzed: 08/14/24 20:05

Batch: B4H0616 | Sequence: S4H0472 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4H0536 | Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	3.4	0.020	0.10	5	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator			Work Order:	2401218
Client:	Parsons			Project:	E1077 - 3067 E 60th PL, Huntington Park, CA 9(
Batch:	B4H0616	Batch Matrix:	Soil	Preparation:	STLC_S Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
E1077-WC-A1A2	2401218-01	08/12/24 12:12	25.00	25
E1077-WC-A1A2A3	2401218-02	08/12/24 12:12	25.00	25
Blank	B4H0616-BLK1	08/12/24 12:12	25.00	25
LCS	B4H0616-BS1	08/12/24 12:12	25.00	25
Matrix Spike	B4H0616-MS1	08/12/24 12:12	25.00	25
Matrix Spike Dup	B4H0616-MSD1	08/12/24 12:12	25.00	25
Dilution Check	B4H0616-SRL1	08/12/24 12:12	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4H0616

Extraction Method: STLC_S Extraction

Batch Start Date:

Batch Analyst: CH

Analysis Method: WET/EPA 6010B

Batch End Date:

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401218-01	E1077-WC-A1A2	25.00	25.00								
2401218-02	E1077-WC-A1A2A3	25.00	25.00								
B4H0616-BLK1	Blank	25.00	25.00								
B4H0616-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250						
B4H0616-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2401209-02					
B4H0616-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2401209-02					
B4H0616-SRL1	Dilution Check	25.00	25.00			2401209-02					

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0616

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4H0616-BLK1	Lead	0.047043	0.020	0.10	08/14/24 19:25	318,	WET/EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0616
Concentration Units: mg/L

Laboratory ID: B4H0616-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.558682	0.500000	112		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0616
Concentration Units: mg/L
Source Sample Name: **2401209-02**

Laboratory ID: B4H0616-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	4.53194	5.06508	0.500000	107		75 - 125

Laboratory ID: B4H0616-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	4.99975	93.6	1.30	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0616

Concentration Units: mg/L

Source Sample Name: **2401209-02**

Laboratory ID: B4H0616-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4H0616-PS1						
Lead	4.53194	4.93610	0.500000	80.8		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4H0472

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0472-IBL1	240814-01 RR-001	08/14/24 10:53
Cal Standard	S4H0472-CAL1	240814-01 RR-002	08/14/24 10:56
Cal Standard	S4H0472-CAL2	240814-01 RR-003	08/14/24 10:58
Cal Standard	S4H0472-CAL3	240814-01 RR-004	08/14/24 11:00
Cal Standard	S4H0472-CAL4	240814-01 RR-005	08/14/24 11:03
Cal Standard	S4H0472-CAL5	240814-01 RR-006	08/14/24 11:05
Cal Standard	S4H0472-CAL6	240814-01 RR-007	08/14/24 11:07
Cal Standard	S4H0472-CAL7	240814-01 RR-008	08/14/24 11:09
Initial Cal Check	S4H0472-ICV1	240814-01 RR-009	08/14/24 11:20
Initial Cal Blank	S4H0472-ICB1	240814-01 RR-010	08/14/24 11:22
Interference Check A	S4H0472-IFA1	240814-01 RR-012	08/14/24 11:28
Interference Check B	S4H0472-IFB1	240814-01 RR-013	08/14/24 11:30
Calibration Check	S4H0472-CCV1	240814-01 RR-014	08/14/24 11:38
Calibration Blank	S4H0472-CCB1	240814-01 RR-015	08/14/24 11:40
Calibration Check	S4H0472-CCVE	240814-01 RR-206	08/14/24 18:58
Calibration Blank	S4H0472-CCBE	240814-01 RR-207	08/14/24 19:00
Blank	B4H0616-BLK1	240814-01 RR-217	08/14/24 19:25
Calibration Check	S4H0472-CCVF	240814-01 RR-218	08/14/24 19:27
Calibration Blank	S4H0472-CCBF	240814-01 RR-219	08/14/24 19:29
LCS	B4H0616-BS1	240814-01 RR-220	08/14/24 19:32
Matrix Spike	B4H0616-MS1	240814-01 RR-221	08/14/24 19:34
Matrix Spike Dup	B4H0616-MSD1	240814-01 RR-222	08/14/24 19:36
Post Spike	B4H0616-PS1	240814-01 RR-223	08/14/24 19:39
Dilution Check	B4H0616-SRL1	240814-01 RR-224	08/14/24 19:41
Calibration Check	S4H0472-CCVG	240814-01 RR-230	08/14/24 19:56
Calibration Blank	S4H0472-CCBG	240814-01 RR-231	08/14/24 19:58
E1077-WC-A1A2	2401218-01	240814-01 RR-233	08/14/24 20:03
E1077-WC-A1A2A3	2401218-02	240814-01 RR-234	08/14/24 20:05
Calibration Check	S4H0472-CCVH	240814-01 RR-241	08/14/24 20:29
Calibration Blank	S4H0472-CCBH	240814-01 RR-242	08/14/24 20:32

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0472-ICV1	Lead	0.500000	0.527184	105	08/14/24 11:20	+/- 10.00%
S4H0472-CCV1	Lead	2.00000	1.98890	99.4	08/14/24 11:38	+/- 10.00%
S4H0472-CCVE	Lead	2.00000	1.86477	93.2	08/14/24 18:58	+/- 10.00%
S4H0472-CCVF	Lead	2.00000	1.83229	91.6	08/14/24 19:27	+/- 10.00%
S4H0472-CCVG	Lead	2.00000	1.83335	91.7	08/14/24 19:56	+/- 10.00%
S4H0472-CCVH	Lead	2.00000	1.97728	98.9	08/14/24 20:29	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0472-ICB1	Lead	0.007855	0.0041	0.020	08/14/24 11:22	16, Q	WET/EPA 6010B
S4H0472-CCB1	Lead	0.008591	0.0041	0.020	08/14/24 11:40	3, B	WET/EPA 6010B
S4H0472-CCBE	Lead	0.000694	0.0041	0.020	08/14/24 19:00		WET/EPA 6010B
S4H0472-CCBF	Lead	0.004973	0.0041	0.020	08/14/24 19:29	B13	WET/EPA 6010B
S4H0472-CCBG	Lead	0.005035	0.0041	0.020	08/14/24 19:58	B13	WET/EPA 6010B
S4H0472-CCBH	Lead	0.001321	0.0041	0.020	08/14/24 20:32		WET/EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFA1	Lead		0.00074	mg/L		<0.02	8/14/24 11:28

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFB1	Lead	0.500000	0.49434	mg/L	1	±20.00 %	8/14/24 11:30

METHOD DETECTION AND REPORTING LIMITS
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Laboratory ID: 2401218-02
Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27
Prepared: 08/12/24 09:43
Analyzed: 08/14/24 17:39
Batch: B4H0605
Sequence: S4H0473
Instrument: ICP-16
Preparation: EPA 3010A_TCLP_S
Method: EPA 6010B
Concentration Units: mg/L
Leach Batch: B4H0537
Leach Method: EPA 1311_S

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	0.055	0.020	0.10	5	J

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401218
Client:	Parsons	Project:	E1077 - 3067 E 60th PL, Huntington Park, CA 9(
Batch:	B4H0605 Batch Matrix: Soil	Preparation:	EPA 3010A_TCLP_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT mL	FINAL VOL. mL
E1077-WC-A1A2A3	2401218-02	08/12/24 09:43	25.00	25
Blank	B4H0605-BLK1	08/12/24 09:43	25.00	25
LCS	B4H0605-BS1	08/12/24 09:43	25.00	25
Matrix Spike	B4H0605-MS1	08/12/24 09:43	25.00	25
Matrix Spike Dup	B4H0605-MSD1	08/12/24 09:43	25.00	25
Dilution Check	B4H0605-SRL1	08/12/24 09:43	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4H0605

Extraction Method: EPA 3010A_TCLP_S

Batch Start Date: 08/12/2024 10:00 **Batch Analyst:** CH

Analysis Method: EPA 6010B

Batch End Date: 08/12/2024 12:15

Lab Sample ID	Client Sample ID	Initial (mL)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401218-02	E1077-WC-A1A2A3	25.00	25.00							1.5 mL	2.5 mL
B4H0605-BLK1	Blank	25.00	25.00							1.5 mL	2.5 mL
B4H0605-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250					1.5 mL	2.5 mL
B4H0605-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2400900-01				1.5 mL	2.5 mL
B4H0605-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2400900-01				1.5 mL	2.5 mL
B4H0605-SRL1	Dilution Check	25.00	25.00			2400900-01				1.5 mL	2.5 mL

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4G0434	Concentrated Nitric Acid	240238
A4F0570	1:1 Hydrochloric Acid	NA

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0605

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4H0605-BLK1	Lead	0.014793	0.020	0.10	08/14/24 17:01	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0605

Concentration Units: mg/L

Laboratory ID: B4H0605-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.530860	0.500000	106		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0605
Concentration Units: mg/L
Source Sample Name: **2400900-01**

Laboratory ID: B4H0605-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.030186	0.499793	0.500000	93.9		75 - 125

Laboratory ID: B4H0605-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	0.493574	92.7	1.25	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0605

Concentration Units: mg/L

Source Sample Name: **2400900-01**

Laboratory ID: B4H0605-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4H0605-PS1						
Lead	0.030186	0.531761	0.500000	100		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4H0473

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0473-IBL1	240814-01 RR-001	08/14/24 10:53
Cal Standard	S4H0473-CAL1	240814-01 RR-002	08/14/24 10:56
Cal Standard	S4H0473-CAL2	240814-01 RR-003	08/14/24 10:58
Cal Standard	S4H0473-CAL3	240814-01 RR-004	08/14/24 11:00
Cal Standard	S4H0473-CAL4	240814-01 RR-005	08/14/24 11:03
Cal Standard	S4H0473-CAL5	240814-01 RR-006	08/14/24 11:05
Cal Standard	S4H0473-CAL6	240814-01 RR-007	08/14/24 11:07
Cal Standard	S4H0473-CAL7	240814-01 RR-008	08/14/24 11:09
Initial Cal Check	S4H0473-ICV1	240814-01 RR-009	08/14/24 11:20
Initial Cal Blank	S4H0473-ICB1	240814-01 RR-010	08/14/24 11:22
Interference Check A	S4H0473-IFA1	240814-01 RR-012	08/14/24 11:28
Interference Check B	S4H0473-IFB1	240814-01 RR-013	08/14/24 11:30
Calibration Check	S4H0473-CCV1	240814-01 RR-146	08/14/24 16:40
Calibration Blank	S4H0473-CCB1	240814-01 RR-147	08/14/24 16:42
Blank	B4H0605-BLK1	240814-01 RR-155	08/14/24 17:01
LCS	B4H0605-BS1	240814-01 RR-156	08/14/24 17:03
Matrix Spike	B4H0605-MS1	240814-01 RR-157	08/14/24 17:05
Calibration Check	S4H0473-CCV2	240814-01 RR-158	08/14/24 17:08
Calibration Blank	S4H0473-CCB2	240814-01 RR-159	08/14/24 17:10
Matrix Spike Dup	B4H0605-MSD1	240814-01 RR-160	08/14/24 17:12
Post Spike	B4H0605-PS1	240814-01 RR-161	08/14/24 17:14
Dilution Check	B4H0605-SRL1	240814-01 RR-162	08/14/24 17:16
Calibration Check	S4H0473-CCV3	240814-01 RR-170	08/14/24 17:35
Calibration Blank	S4H0473-CCB3	240814-01 RR-171	08/14/24 17:37
E1077-WC-A1A2A3	2401218-02	240814-01 RR-172	08/14/24 17:39
Calibration Check	S4H0473-CCV4	240814-01 RR-182	08/14/24 18:02
Calibration Blank	S4H0473-CCB4	240814-01 RR-183	08/14/24 18:05

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0473
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0473-ICV1	Lead	0.500000	0.527184	105	08/14/24 11:20	+/- 10.00%
	Lead	0.500000	0.527184	105	08/14/24 11:20	+/- 10.00%
S4H0473-CCV1	Lead	2.00000	1.89487	94.7	08/14/24 16:40	+/- 10.00%
	Lead	2.00000	1.89487	94.7	08/14/24 16:40	+/- 10.00%
S4H0473-CCV2	Lead	2.00000	1.86659	93.3	08/14/24 17:08	+/- 10.00%
	Lead	2.00000	1.86659	93.3	08/14/24 17:08	+/- 10.00%
S4H0473-CCV3	Lead	2.00000	1.86389	93.2	08/14/24 17:35	+/- 10.00%
	Lead	2.00000	1.86389	93.2	08/14/24 17:35	+/- 10.00%
S4H0473-CCV4	Lead	2.00000	1.87042	93.5	08/14/24 18:02	+/- 10.00%
	Lead	2.00000	1.87042	93.5	08/14/24 18:02	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0473

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0473-ICB1	Lead	0.007855	0.0041	0.020	08/14/24 11:22		EPA 6010B
S4H0473-CCB1	Lead	0.001161	0.0041	0.020	08/14/24 16:42		EPA 6010B
S4H0473-CCB2	Lead	0.005184	0.0041	0.020	08/14/24 17:10		EPA 6010B
S4H0473-CCB3	Lead	0.003055	0.0041	0.020	08/14/24 17:37		EPA 6010B
S4H0473-CCB4	Lead	0.006855	0.0041	0.020	08/14/24 18:05		EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0473
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0473-IFA1	Lead		0.00074	mg/L		<0.02	8/14/24 11:28

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0473
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0473-IFB1	Lead	0.500000	0.49434	mg/L	1	±20.00 %	8/14/24 11:30

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Leachate Preparation Log

Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ 3SO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other: _____	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA Zip: 91124	Fax:
SEND REPORT TO:			SEND INVOICE TO: ☐ same as SEND REPORT TO		
Attn: Tom Blaney	Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com		Attn:	Email:	
Company: Parsons			Company:		
Address: 100 W. Walnut Street			Address:		
City: Pasadena	State: CA	Zip: 91124	City:	State:	Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

Project Name: DTSC Exide Residential		Quote #:	
Site Address: 3067 E 60th Pl, Huntington Park, CA 90255		Site ID: E1077	
Project No.: 684735		PO #:	
Sampler: Joshua Cottingham			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb)	Requested Analysis: Lead (6010B)	Sample Matrix: Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1-Tube; 2-VOA; 3-Liter; 4-Pint; 5-Jar; 6-Tedlar; 7-Canister	Container: Material: 1-Glass; 2-Plastic; 3-Metal	Container: Preservative: 1-HCl; 2-HNO3; 3-H2SO4; 4-DI; 5-NaOH; 6-MeOH; 7-ZnAc2+NaOH	Remarks
1	1	E1077-WC-A1A2	E1077-WC	7/19/2024	1125	x	x	x		1	5	1		
2	2	E1077-WC-A1A2A3	E1077-WC	7/19/2024	1127	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7-19-24	1400	[signature]	7/19/24	1400
[signature]	7/19/24	1422	[signature]	7/19/24	1422
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Monday, August 5, 2024 11:59 AM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Follow Up Flag: Follow up
Flag Status: Flagged

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. B0776-WC-A1A2 (LAB REPORT 2401209): STLC and TCLP for lead
2. B0776-WC-A1A2A3 (LAB REPORT 2401209): STLC and TCLP for lead
3. B1056-WC-A1A2 (LAB REPORT 2401207): STLC and TCLP for lead
4. B1056-WC-A1A2A3 (LAB REPORT 2401207): STLC and TCLP for lead
5. B0856-WC-A1A2 (LAB REPORT 2401211): STLC and TCLP for lead
6. B0856-WC-A1A2A3 (LAB REPORT 2401211): STLC and TCLP for lead
7. E1077-WC-A1A2 (LAB REPORT 2401218): STLC for lead
8. E1077-WC-A1A2A3 (LAB REPORT 2401218): STLC and TCLP for lead
9. D1444-WC-A1A2 (LAB REPORT 2401220): STLC and TCLP for lead
10. D1444-WC-A1A2A3 (LAB REPORT 2401220): STLC and TCLP for lead
11. B0780-WC-A1A2 (LAB REPORT 2401227): STLC and TCLP for lead
12. B0780-WC-A1A2A3 (LAB REPORT 2401227): STLC and TCLP for lead
13. D1338-WC-A1A2 (LAB REPORT 2401225): STLC and TCLP for lead
14. D1338-WC-A1A2A3 (LAB REPORT 2401225): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0489
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0489 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0490	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0490
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0490 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0491	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0491
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0491 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0493	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0492
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0492 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0493	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0493
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0493 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0495	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0494
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0494 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0495	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0495
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0495 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0437	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0496
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/26/2024
Date Expires: 08/09/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0496 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0525
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0525 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0394
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 08/07/2024
Date Expires: 08/21/2024
Prepared by: Juan Flores
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0394 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0434
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0434 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0435
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4H0435 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0436
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/21/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4H0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0394	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0457
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4H0457 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0443	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0458
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0458 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0459
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0459 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0460
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0460 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0461
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0461 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0462
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0462 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0461	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0463
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0463 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0462	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

Report Prepared For:

Parsons

Client Project Description:

E1077 - 3067 E 60th PL, Huntington Park, CA 90255

ATL Work Order: 2401218

Date of Preparation: 07-29-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401218

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July 29, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401218

Client Reference : E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Enclosed are the results for sample(s) received on July 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/29/24 15:44 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/29/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E1077-WC-A1A2	2401218-01	Soil	7/19/24 11:25	7/19/24 14:22
E1077-WC-A1A2A3	2401218-02	Soil	7/19/24 11:27	7/19/24 14:22

Certificate of Analysis

Parsons		Project Number :	E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/29/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 19th, 2024 at 14:22. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/29/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B18	Associated method blank above MDL, but below half of the PQL value. Therefore, reanalysis is not necessary.
B16	Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B	Analyte detected in the associated method blank above the PQL.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/29/2024

Client Sample ID: E1077-WC-A1A2
Lab ID: 2401218-01

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.8**	2.0	0.77	1	B4G0840	07/19/2024	07/25/24 14:37	
Arsenic	**4.4**	2.0	0.71	1	B4G0840	07/19/2024	07/25/24 14:37	
Cadmium	**1.7**	1.0	0.06	1	B4G0840	07/19/2024	07/25/24 14:37	
Copper	**30**	1.0	0.22	1	B4G0840	07/19/2024	07/25/24 14:37	B
Lead	**99**	1.0	0.18	1	B4G0840	07/19/2024	07/25/24 14:37	
Zinc	**240**	2.0	0.30	1	B4G0840	07/19/2024	07/25/24 14:37	

Client Sample ID: E1077-WC-A1A2A3
Lab ID: 2401218-02

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.3**	2.0	0.77	1	B4G0840	07/19/2024	07/25/24 14:39	
Arsenic	**6.0**	2.0	0.71	1	B4G0840	07/19/2024	07/25/24 14:39	
Cadmium	**1.7**	1.0	0.06	1	B4G0840	07/19/2024	07/25/24 14:39	
Copper	**31**	1.0	0.22	1	B4G0840	07/19/2024	07/25/24 14:39	B
Lead	**110**	1.0	0.18	1	B4G0840	07/19/2024	07/25/24 14:39	
Zinc	**210**	2.0	0.30	1	B4G0840	07/19/2024	07/25/24 14:39	

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/29/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0840 - EPA 3050B_S										
Blank (B4G0840-BLK1)						Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	0.271355	1.0	0.22							B18, J
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0840-BS1)						Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	24.3626	2.0	0.77	25.0000		97.5	80 - 120			
Arsenic	25.0212	2.0	0.71	25.0000		100	80 - 120			
Cadmium	23.5386	1.0	0.06	25.0000		94.2	80 - 120			
Copper	23.6842	1.0	0.22	25.0000		94.7	80 - 120			B
Lead	24.5746	1.0	0.18	25.0000		98.3	80 - 120			
Zinc	24.9992	2.0	0.30	25.0000		100	80 - 120			
Matrix Spike (B4G0840-MS1)			**Source: 2401219-01**			Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	24.9861	2.0	0.77	25.0000	3.07466	87.6	75 - 125			
Arsenic	24.7286	2.0	0.71	25.0000	2.20375	90.1	75 - 125			
Cadmium	24.4750	1.0	0.06	25.0000	0.979286	94.0	75 - 125			
Copper	42.9445	1.0	0.22	25.0000	18.5063	97.8	75 - 125			B
Lead	208.110	1.0	0.18	25.0000	175.119	132	75 - 125			M2
Zinc	185.260	2.0	0.30	25.0000	151.141	136	75 - 125			M2
Matrix Spike Dup (B4G0840-MSD1)			**Source: 2401219-01**			Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	24.6405	2.0	0.77	25.0000	3.07466	86.3	75 - 125	1.39	20	
Arsenic	24.6496	2.0	0.71	25.0000	2.20375	89.8	75 - 125	0.320	20	
Cadmium	24.6696	1.0	0.06	25.0000	0.979286	94.8	75 - 125	0.792	20	
Copper	42.3674	1.0	0.22	25.0000	18.5063	95.4	75 - 125	1.35	20	B
Lead	210.803	1.0	0.18	25.0000	175.119	143	75 - 125	1.29	20	M2
Zinc	185.670	2.0	0.30	25.0000	151.141	138	75 - 125	0.221	20	M2

Certificate of Analysis

Parsons	Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/29/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0840 - EPA 3050B_S									
Post Spike (B4G0840-PS1)			**Source: 2401219-01**		Prepared: 7/19/2024 Analyzed: 7/25/2024				
Antimony	0.452335		0.500000	0.061493	78.2	75 - 125			
Arsenic	0.480897		0.500000	0.044075	87.4	75 - 125			
Cadmium	0.480079		0.500000	0.019586	92.1	75 - 125			
Copper	0.831638		0.500000	0.370126	92.3	75 - 125			B
Lead	5.93600		0.500000	3.50238	487	75 - 125			M2
Zinc	3.44607		0.500000	3.02283	84.6	75 - 125			

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐3SO ☐Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: Parsons	Address: 100 W. Walnut Street			Tel:
	City: Pasadena	State: CA	Zip: 91124	Fax:

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

Project Name: DTSC Exide Residential	Quote #:	
Site Address: 3067 E 60th Pl, Huntington Park, CA 90255	Site ID: E1077	
Project No.: 684735	PO #:	
Sampler: Joshua Cottingham		

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=DI; 5=NaOH; 6=NaOH + ZnAc2+Ac; 7=MeOH	Remarks
1	1	E1077-WC-A1A2	E1077-WC	7/19/2024	1125	x	x	x		1	5	1		
2	2	E1077-WC-A1A2A3	E1077-WC	7/19/2024	1127	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7-19-24	1400	[signature]	7/19/24	1400
[signature]	7/19/24	1422	[signature]	7/19/24	1422
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

Table of Contents

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
E1077-WC-A1A2	2401218-01
E1077-WC-A1A2A3	2401218-02

Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401218

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**E1077 - 3067 E 60th PL, Huntington Park, CA 90255**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	07/26/2024 20:00	Received in Lab:	07/19/2024 14:22
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Thoai Trinh		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401218-01 E1077-WC-A1A2 [Soil] Sampled 07/19/2024 11:25			
6010_Exide_6 Metals Ver: NONE	07/26/2024 20:00	01/15/2025 00:00	1
2401218-02 E1077-WC-A1A2A3 [Soil] Sampled 07/19/2024 11:27			
6010_Exide_6 Metals Ver: NONE	07/26/2024 20:00	01/15/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401218

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**E1077 - 3067 E 60th PL, Huntington Park, CA 90255**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 18. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil Laboratory ID: 2401218-01 Laboratory ID: E1077-WC-A1A2

Sampled: 07/19/24 11:25 Prepared: 07/19/24 17:35 Analyzed: 07/25/24 14:37

Batch: B4G0840 Sequence: S4G0672 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.8	0.77	2.0	1	
7440-38-2	Arsenic	4.4	0.71	2.0	1	
7440-43-9	Cadmium	1.7	0.06	1.0	1	
7440-50-8	Copper	30	0.22	1.0	1	B
7439-92-1	Lead	99	0.18	1.0	1	
7440-66-6	Zinc	240	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-02 | Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27 | Prepared: 07/19/24 17:35 | Analyzed: 07/25/24 14:39

Batch: B4G0840 | Sequence: S4G0672 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.3	0.77	2.0	1	
7440-38-2	Arsenic	6.0	0.71	2.0	1	
7440-43-9	Cadmium	1.7	0.06	1.0	1	
7440-50-8	Copper	31	0.22	1.0	1	B
7439-92-1	Lead	110	0.18	1.0	1	
7440-66-6	Zinc	210	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator			Work Order:	2401218
Client:	Parsons			Project:	E1077 - 3067 E 60th PL, Huntington Park, CA 9(
Batch:	B4G0840	Batch Matrix:	Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
E1077-WC-A1A2	2401218-01	07/19/24 17:35	1.00	50
E1077-WC-A1A2A3	2401218-02	07/19/24 17:35	1.00	50
Blank	B4G0840-BLK1	07/19/24 17:42	1.00	50
LCS	B4G0840-BS1	07/19/24 17:42	1.00	50
Matrix Spike	B4G0840-MS1	07/19/24 17:42	1.00	50
Matrix Spike Dup	B4G0840-MSD1	07/19/24 17:42	1.00	50
Dilution Check	B4G0840-SRL1	07/19/24 17:42	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0840

Extraction Method: EPA 3050B_S

Analysis Method: EPA 6010B

Batch Start Date: 07/22/2024 12:30 **Batch Analyst:** DL2

Batch End Date: 07/22/2024 14:45

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401218-01	E1077-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401218-02	E1077-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0840-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0840-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0840-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401219-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0840-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401219-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0840-SRL1	Dilution Check	1.00	50.00			2401219-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0571	1:1 Nitric Acid	NA
A4G0398	Concentrated Nitric Acid	240238
A4G0395	Hydrogen Peroxide	K54376509
A4D0549	Concentrated Hydrochloric Acid	4123090

Equipment Used

Type	Equipment ID	LotNum
Dispenser ID	MPDISP02	347844
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718
Pipette	MPP01	22E77439
Thermometer ID	MPTHERM 09	935128
Digestion Unit	DB01	4507CEC2139
Dispenser ID	MPDISP01	04K58398

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0840

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0840-BLK1	Antimony	0.073166	0.77	2.0	07/25/24 14:20	U	EPA 6010B
	Arsenic	0.409308	0.71	2.0	07/25/24 14:20	U	EPA 6010B
	Cadmium	-0.191799	0.06	1.0	07/25/24 14:20	U	EPA 6010B
	Copper	0.271355	0.22	1.0	07/25/24 14:20	B18,	EPA 6010B
	Lead	-0.255502	0.18	1.0	07/25/24 14:20	U	EPA 6010B
	Zinc	-0.067600	0.30	2.0	07/25/24 14:20	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg

Laboratory ID: B4G0840-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	24.3626	25.0000	97.5		80 - 120
Arsenic	25.0212	25.0000	100		80 - 120
Cadmium	23.5386	25.0000	94.2		80 - 120
Copper	23.6842	25.0000	94.7	B	80 - 120
Lead	24.5746	25.0000	98.3		80 - 120
Zinc	24.9992	25.0000	100		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg
Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	3.07466	24.9861	25.0000	87.6		75 - 125
Arsenic	2.20375	24.7286	25.0000	90.1		75 - 125
Cadmium	0.979286	24.4750	25.0000	94.0		75 - 125
Copper	18.5063	42.9445	25.0000	97.8	B	75 - 125
Lead	175.119	208.110	25.0000	132	M2	75 - 125
Zinc	151.141	185.260	25.0000	136	M2	75 - 125

Laboratory ID: B4G0840-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS % RPD	CONTROL LIMITS % R
Antimony	24.6405	86.3	1.39	25.0000		20	75 - 125
Arsenic	24.6496	89.8	0.320	25.0000		20	75 - 125
Cadmium	24.6696	94.8	0.792	25.0000		20	75 - 125
Copper	42.3674	95.4	1.35	25.0000	B	20	75 - 125
Lead	210.803	143	1.29	25.0000	M2	20	75 - 125
Zinc	185.670	138	0.221	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0840

Concentration Units: mg/L

Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0840-PS1						
Antimony	0.061493	0.452335	0.500000	78.2		75 - 125
Arsenic	0.044075	0.480897	0.500000	87.4		75 - 125
Cadmium	0.019586	0.480079	0.500000	92.1		75 - 125
Copper	0.370126	0.831638	0.500000	92.3	B	75 - 125
Lead	3.50238	5.93600	0.500000	487	M2	75 - 125
Zinc	3.02283	3.44607	0.500000	84.6		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4G0672

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0672-IBL1	240725-02 RR-001	07/25/24 12:14
Cal Standard	S4G0672-CAL1	240725-02 RR-002	07/25/24 12:17
Cal Standard	S4G0672-CAL2	240725-02 RR-003	07/25/24 12:19
Cal Standard	S4G0672-CAL3	240725-02 RR-004	07/25/24 12:21
Cal Standard	S4G0672-CAL4	240725-02 RR-005	07/25/24 12:24
Cal Standard	S4G0672-CAL5	240725-02 RR-006	07/25/24 12:26
Cal Standard	S4G0672-CAL6	240725-02 RR-007	07/25/24 12:28
Cal Standard	S4G0672-CAL7	240725-02 RR-008	07/25/24 12:30
Initial Cal Check	S4G0672-ICV1	240725-02 RR-009	07/25/24 12:37
Initial Cal Blank	S4G0672-ICB1	240725-02 RR-010	07/25/24 12:39
Interference Check A	S4G0672-IFA1	240725-02 RR-012	07/25/24 12:48
Interference Check B	S4G0672-IFB1	240725-02 RR-013	07/25/24 12:50
Calibration Check	S4G0672-CCV2	240725-02 RR-026	07/25/24 14:02
Calibration Blank	S4G0672-CCB2	240725-02 RR-027	07/25/24 14:04
Blank	B4G0840-BLK1	240725-02 RR-035	07/25/24 14:20
LCS	B4G0840-BS1	240725-02 RR-036	07/25/24 14:22
Matrix Spike	B4G0840-MS1	240725-02 RR-037	07/25/24 14:24
Calibration Check	S4G0672-CCV3	240725-02 RR-038	07/25/24 14:26
Calibration Blank	S4G0672-CCB3	240725-02 RR-039	07/25/24 14:28
Matrix Spike Dup	B4G0840-MSD1	240725-02 RR-040	07/25/24 14:30
Post Spike	B4G0840-PS1	240725-02 RR-041	07/25/24 14:32
Dilution Check	B4G0840-SRL1	240725-02 RR-042	07/25/24 14:34
E1077-WC-A1A2	2401218-01	240725-02 RR-043	07/25/24 14:37
E1077-WC-A1A2A3	2401218-02	240725-02 RR-044	07/25/24 14:39
Calibration Check	S4G0672-CCV4	240725-02 RR-050	07/25/24 14:50
Calibration Blank	S4G0672-CCB4	240725-02 RR-051	07/25/24 14:52

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0493

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0672-ICV1	Antimony	0.500000	0.494062	98.8	07/25/24 12:37	+/- 10.00%
	Arsenic	0.500000	0.511460	102	07/25/24 12:37	+/- 10.00%
	Cadmium	0.500000	0.502564	101	07/25/24 12:37	+/- 10.00%
	Copper	0.500000	0.501532	100	07/25/24 12:37	+/- 10.00%
	Lead	0.500000	0.538017	108	07/25/24 12:37	+/- 10.00%
	Zinc	0.500000	0.529773	106	07/25/24 12:37	+/- 10.00%
S4G0672-CCV2	Antimony	2.00000	1.98929	99.5	07/25/24 14:02	+/- 10.00%
	Arsenic	2.00000	1.98863	99.4	07/25/24 14:02	+/- 10.00%
	Cadmium	2.00000	2.01761	101	07/25/24 14:02	+/- 10.00%
	Copper	2.00000	1.95149	97.6	07/25/24 14:02	+/- 10.00%
	Lead	2.00000	1.96741	98.4	07/25/24 14:02	+/- 10.00%
	Zinc	2.00000	2.03468	102	07/25/24 14:02	+/- 10.00%
S4G0672-CCV3	Antimony	2.00000	1.95483	97.7	07/25/24 14:26	+/- 10.00%
	Arsenic	2.00000	2.00746	100	07/25/24 14:26	+/- 10.00%
	Cadmium	2.00000	2.00805	100	07/25/24 14:26	+/- 10.00%
	Copper	2.00000	1.95617	97.8	07/25/24 14:26	+/- 10.00%
	Lead	2.00000	1.94883	97.4	07/25/24 14:26	+/- 10.00%
	Zinc	2.00000	2.02433	101	07/25/24 14:26	+/- 10.00%
S4G0672-CCV4	Antimony	2.00000	1.98197	99.1	07/25/24 14:50	+/- 10.00%
	Arsenic	2.00000	2.02115	101	07/25/24 14:50	+/- 10.00%
	Cadmium	2.00000	2.02801	101	07/25/24 14:50	+/- 10.00%
	Copper	2.00000	1.95334	97.7	07/25/24 14:50	+/- 10.00%
	Lead	2.00000	1.95727	97.9	07/25/24 14:50	+/- 10.00%
	Zinc	2.00000	2.04599	102	07/25/24 14:50	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0672

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0672-ICB1	Antimony	0.008406	0.02	0.04	07/25/24 12:39		EPA 6010B
	Arsenic	0.003224	0.01	0.04	07/25/24 12:39		EPA 6010B
	Cadmium	-0.002294	0.001	0.02	07/25/24 12:39	U	EPA 6010B
	Copper	0.004593	0.004	0.02	07/25/24 12:39	B16	EPA 6010B
	Lead	0.000058	0.004	0.02	07/25/24 12:39		EPA 6010B
	Zinc	-0.009617	0.006	0.04	07/25/24 12:39	U	EPA 6010B
S4G0672-CCB2	Antimony	0.010976	0.02	0.04	07/25/24 14:04		EPA 6010B
	Arsenic	0.000421	0.01	0.04	07/25/24 14:04		EPA 6010B
	Cadmium	-0.003258	0.001	0.02	07/25/24 14:04	U	EPA 6010B
	Copper	0.004808	0.004	0.02	07/25/24 14:04	B13	EPA 6010B
	Lead	-6.6367E-3	0.004	0.02	07/25/24 14:04	U	EPA 6010B
	Zinc	-0.007444	0.006	0.04	07/25/24 14:04	U	EPA 6010B
S4G0672-CCB3	Antimony	0.010314	0.02	0.04	07/25/24 14:28		EPA 6010B
	Arsenic	0.004090	0.01	0.04	07/25/24 14:28		EPA 6010B
	Cadmium	-3.4916E-3	0.001	0.02	07/25/24 14:28	U	EPA 6010B
	Copper	0.005509	0.004	0.02	07/25/24 14:28	B13	EPA 6010B
	Lead	-0.003346	0.004	0.02	07/25/24 14:28	U	EPA 6010B
	Zinc	-0.006834	0.006	0.04	07/25/24 14:28	U	EPA 6010B
S4G0672-CCB4	Antimony	8.4037E-3	0.02	0.04	07/25/24 14:52		EPA 6010B
	Arsenic	0.006165	0.01	0.04	07/25/24 14:52		EPA 6010B
	Cadmium	-0.003893	0.001	0.02	07/25/24 14:52	U	EPA 6010B
	Copper	0.005666	0.004	0.02	07/25/24 14:52	B13	EPA 6010B
	Lead	-0.009089	0.004	0.02	07/25/24 14:52	U	EPA 6010B
	Zinc	-0.004154	0.006	0.04	07/25/24 14:52	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0672-IFA1	Antimony		0.02726	mg/L		<0.04	7/25/24 12:48
	Arsenic		0.00816	mg/L		<0.04	7/25/24 12:48
	Cadmium		0.00264	mg/L		<0.02	7/25/24 12:48
	Copper		-0.00101	mg/L		<0.02	7/25/24 12:48
	Lead		-0.04593	mg/L		<0.02	7/25/24 12:48
	Zinc		-0.01052	mg/L		<0.04	7/25/24 12:48

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0672-IFB1	Antimony	0.500000	0.54070	mg/L	-8	±20.00 %	7/25/24 12:50
	Arsenic	0.500000	0.46802	mg/L	6	±20.00 %	7/25/24 12:50
	Cadmium	0.500000	0.49470	mg/L	1	±20.00 %	7/25/24 12:50
	Copper	0.500000	0.52653	mg/L	-5	±20.00 %	7/25/24 12:50
	Lead	0.500000	0.43719	mg/L	13	±20.00 %	7/25/24 12:50
	Zinc	0.500000	0.47723	mg/L	5	±20.00 %	7/25/24 12:50

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐3SO ☐Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: Parsons			Address: 100 W. Walnut Street		Tel:
			City: Pasadena	State: CA Zip: 91124	Fax:

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential		Quote #:	
Site Address: 3067 E 60th Pl, Huntington Park, CA 90255		Site ID: E1077	
Project No.: 684735		PO #:	
Sampler: Joshua Cottingham			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As,Pb,Cd,Cu,Zn,Sb)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type	Container: Material	Container: Preservative	Remarks
1	1	E1077-WC-A1A2	E1077-WC	7/19/2024	1125	x	x	x		1	5	1		
2	2	E1077-WC-A1A2A3	E1077-WC	7/19/2024	1127	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

Requested Analysis / Sample Matrix / Container

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7-19-24	1400	[signature]	7/19/24	1400
[signature]	7/19/24	1422	[signature]	7/19/24	1422
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

Table of Contents

Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0489
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0489 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0490	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0490
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0490 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0491	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0491
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0491 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0493	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0492
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0492 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0493	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0493
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0493 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0495	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0494
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0494 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0495	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0495
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/26/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0495 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0437	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0496
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/26/2024
Date Expires: 08/09/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0496 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

Report Prepared For:

Parsons

Client Project Description:

ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

ATL Work Order: 2401187

Date of Preparation: 07-25-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401187

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July 25, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401187

Client Reference : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on July 15, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/25/24 14:00 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	07/25/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ENA19-WC-A1A2	2401187-01	Soil	7/15/24 14:01	7/15/24 15:05
ENA19-WC-A1A2A3	2401187-02	Soil	7/15/24 14:03	7/15/24 15:05

Certificate of Analysis

Parsons	Project Number :	ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To :	Tom Blaney
Pasadena , CA 91124	Reported :	07/25/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 15th, 2024 at 15:05. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/25/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/25/2024

Client Sample ID: ENA19-WC-A1A2
Lab ID: 2401187-01

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.1**	2.0	0.77	1	B4G0768	07/16/2024	07/24/24 13:31	
Arsenic	**3.6**	2.0	0.71	1	B4G0768	07/16/2024	07/24/24 13:31	
Cadmium	**0.31**	1.0	0.06	1	B4G0768	07/16/2024	07/24/24 13:31	J
Copper	**32**	1.0	0.22	1	B4G0768	07/16/2024	07/24/24 13:31	
Lead	**71**	1.0	0.18	1	B4G0768	07/16/2024	07/24/24 13:31	
Zinc	**140**	2.0	0.30	1	B4G0768	07/16/2024	07/24/24 13:31	

Client Sample ID: ENA19-WC-A1A2A3
Lab ID: 2401187-02

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**2.2**	2.0	0.77	1	B4G0768	07/16/2024	07/24/24 13:33	
Arsenic	**3.0**	2.0	0.71	1	B4G0768	07/16/2024	07/24/24 13:33	
Cadmium	ND	1.0	0.06	1	B4G0768	07/16/2024	07/24/24 13:33	U
Copper	**18**	1.0	0.22	1	B4G0768	07/16/2024	07/24/24 13:33	
Lead	**27**	1.0	0.18	1	B4G0768	07/16/2024	07/24/24 13:33	
Zinc	**74**	2.0	0.30	1	B4G0768	07/16/2024	07/24/24 13:33	

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 07/25/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0768 - EPA 3050B_S										
Blank (B4G0768-BLK1)						Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0768-BS1)						Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	24.2930	2.0	0.77	25.0000		97.2	80 - 120			
Arsenic	24.1995	2.0	0.71	25.0000		96.8	80 - 120			
Cadmium	23.5918	1.0	0.06	25.0000		94.4	80 - 120			
Copper	24.1680	1.0	0.22	25.0000		96.7	80 - 120			
Lead	24.0650	1.0	0.18	25.0000		96.3	80 - 120			
Zinc	25.2632	2.0	0.30	25.0000		101	80 - 120			
Matrix Spike (B4G0768-MS1)			**Source: 2401190-01**			Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	24.2832	2.0	0.77	25.0000	3.62872	82.6	75 - 125			
Arsenic	27.5002	2.0	0.71	25.0000	4.49148	92.0	75 - 125			
Cadmium	24.2051	1.0	0.06	25.0000	ND	96.8	75 - 125			
Copper	47.5972	1.0	0.22	25.0000	24.2747	93.3	75 - 125			
Lead	76.8227	1.0	0.18	25.0000	78.5781	-7.02	75 - 125			M2
Zinc	134.345	2.0	0.30	25.0000	150.220	-63.5	75 - 125			M2
Matrix Spike Dup (B4G0768-MSD1)			**Source: 2401190-01**			Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	21.8707	2.0	0.77	25.0000	3.62872	73.0	75 - 125	10.5	20	M2
Arsenic	27.3175	2.0	0.71	25.0000	4.49148	91.3	75 - 125	0.667	20	
Cadmium	24.2591	1.0	0.06	25.0000	ND	97.0	75 - 125	0.223	20	
Copper	48.3232	1.0	0.22	25.0000	24.2747	96.2	75 - 125	1.51	20	
Lead	76.3491	1.0	0.18	25.0000	78.5781	-8.92	75 - 125	0.618	20	M2
Zinc	136.348	2.0	0.30	25.0000	150.220	-55.5	75 - 125	1.48	20	M2

Certificate of Analysis

Parsons	Project Number :	ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To :	Tom Blaney
Pasadena , CA 91124	Reported :	07/25/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0768 - EPA 3050B_S									
Post Spike (B4G0768-PS1)		**Source: 2401190-01**			Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	0.401840		0.500000	0.072574	65.9	75 - 125			M2
Arsenic	0.528428		0.500000	0.089830	87.7	75 - 125			
Cadmium	0.483751		0.500000	0.000923	96.6	75 - 125			
Copper	0.964610		0.500000	0.485493	95.8	75 - 125			
Lead	1.56805		0.500000	1.57156	-0.703	75 - 125			M2
Zinc	2.66824		0.500000	3.00440	-67.2	75 - 125			M2

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124
Tel:
Fax:

SEND REPORT TO:
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com
Company: Parsons
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124

SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 928 Bernal Ave, Los Angeles
Project No.: 684735
Sampler: Joshua Cottingham
Quote #:
Site ID: ENA19
PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H8O7+ZnAc2; 5=NaOH; 7=NaAsO2	Remarks
1	1	ENA19-WC-A1A2	ENA19-WC	7/15/2024	1401	x	x	x		1	5	1		
2	2	ENA19-WC-A1A2A3	ENA19-WC	7/15/2024	1403	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
J. Cottingham	7-15-24	1435	EY	7/15/24	1435
EY	7/15/24	1505	Jhoan	7/15/24	1505

Table of Contents

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
ENA19-WC-A1A2	2401187-01
ENA19-WC-A1A2A3	2401187-02

Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401187

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**ENA19 - 928 Bernal Ave., Los Angeles, CA 90023**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	07/23/2024 20:00	Received in Lab:	07/15/2024 15:05
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401187-01 ENA19-WC-A1A2 [Soil] Sampled 07/15/2024 14:01			
6010_Exide_6 Metals Ver: NONE	07/23/2024 20:00	01/11/2025 00:00	1
2401187-02 ENA19-WC-A1A2A3 [Soil] Sampled 07/15/2024 14:03			
6010_Exide_6 Metals Ver: NONE	07/23/2024 20:00	01/11/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401187

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**ENA19 - 928 Bernal Ave., Los Angeles, CA 90023**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil Laboratory ID: 2401187-01 Laboratory ID: ENA19-WC-A1A2

Sampled: 07/15/24 14:01 Prepared: 07/16/24 08:30 Analyzed: 07/24/24 13:31

Batch: B4G0768 Sequence: S4G0637 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.1	0.77	2.0	1	
7440-38-2	Arsenic	3.6	0.71	2.0	1	
7440-43-9	Cadmium	0.31	0.06	1.0	1	J
7440-50-8	Copper	32	0.22	1.0	1	
7439-92-1	Lead	71	0.18	1.0	1	
7440-66-6	Zinc	140	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401187-02 | Laboratory ID: ENA19-WC-A1A2A3

Sampled: 07/15/24 14:03 | Prepared: 07/16/24 08:30 | Analyzed: 07/24/24 13:33

Batch: B4G0768 | Sequence: S4G0637 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	2.2	0.77	2.0	1	
7440-38-2	Arsenic	3.0	0.71	2.0	1	
7440-43-9	Cadmium	ND	0.06	1.0	1	U
7440-50-8	Copper	18	0.22	1.0	1	
7439-92-1	Lead	27	0.18	1.0	1	
7440-66-6	Zinc	74	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401187
Client:	Parsons	Project:	ENA19 - 928 Bernal Ave., Los Angeles, CA 900
Batch:	B4G0768 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
ENA19-WC-A1A2	2401187-01	07/16/24 08:30	1.00	50
ENA19-WC-A1A2A3	2401187-02	07/16/24 08:30	1.00	50
Blank	B4G0768-BLK1	07/15/24 17:29	1.00	50
LCS	B4G0768-BS1	07/15/24 17:29	1.00	50
Matrix Spike	B4G0768-MS1	07/15/24 17:29	1.00	50
Matrix Spike Dup	B4G0768-MSD1	07/15/24 17:29	1.00	50
Dilution Check	B4G0768-SRL1	07/15/24 17:29	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0768

Extraction Method: EPA 3050B_S

Batch Start Date: 07/22/2024 11:00 **Batch Analyst:** DL2

Analysis Method: EPA 6010B

Batch End Date: 07/22/2024 13:15

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401187-01	ENA19-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401187-02	ENA19-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0768-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0768-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0768-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401190-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0768-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401190-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0768-SRL1	Dilution Check	1.00	50.00			2401190-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0571	1:1 Nitric Acid	NA
A4G0395	Hydrogen Peroxide	K54376509
A4D0549	Concentrated Hydrochloric Acid	4123090
A4G0398	Concentrated Nitric Acid	240238

Equipment Used

Type	Equipment ID	LotNum
Pipette	MPP01	22E77439
Digestion Unit	DB01	4507CEC2139
Dispenser ID	MPDISP02	347844
Thermometer ID	MPTHERM 09	935128
Dispenser ID	MPDISP01	04K58398
Dispenser ID	MPDISP03	18D19828
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0768

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0768-BLK1	Antimony	-0.318631	0.77	2.0	07/24/24 13:12	U	EPA 6010B
	Arsenic	-0.353859	0.71	2.0	07/24/24 13:12	U	EPA 6010B
	Cadmium	-1.21241	0.06	1.0	07/24/24 13:12	U	EPA 6010B
	Copper	-0.789760	0.22	1.0	07/24/24 13:12	U	EPA 6010B
	Lead	-0.880516	0.18	1.0	07/24/24 13:12	U	EPA 6010B
	Zinc	-0.341980	0.30	2.0	07/24/24 13:12	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Laboratory ID: B4G0768-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	24.2930	25.0000	97.2		80 - 120
Arsenic	24.1995	25.0000	96.8		80 - 120
Cadmium	23.5918	25.0000	94.4		80 - 120
Copper	24.1680	25.0000	96.7		80 - 120
Lead	24.0650	25.0000	96.3		80 - 120
Zinc	25.2632	25.0000	101		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	3.62872	24.2832	25.0000	82.6		75 - 125
Arsenic	4.49148	27.5002	25.0000	92.0		75 - 125
Cadmium	ND	24.2051	25.0000	96.8		75 - 125
Copper	24.2747	47.5972	25.0000	93.3		75 - 125
Lead	78.5781	76.8227	25.0000	-7.02	M2	75 - 125
Zinc	150.220	134.345	25.0000	-63.5	M2	75 - 125

Laboratory ID: B4G0768-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	21.8707	73.0	10.5	25.0000	M2	20	75 - 125
Arsenic	27.3175	91.3	0.667	25.0000		20	75 - 125
Cadmium	24.2591	97.0	0.223	25.0000		20	75 - 125
Copper	48.3232	96.2	1.51	25.0000		20	75 - 125
Lead	76.3491	-8.92	0.618	25.0000	M2	20	75 - 125
Zinc	136.348	-55.5	1.48	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0768

Concentration Units: mg/L

Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0768-PS1						
Antimony	0.072574	0.401840	0.500000	65.9	M2	75 - 125
Arsenic	0.089830	0.528428	0.500000	87.7		75 - 125
Cadmium	0.000923	0.483751	0.500000	96.6		75 - 125
Copper	0.485493	0.964610	0.500000	95.8		75 - 125
Lead	1.57156	1.56805	0.500000	-0.703	M2	75 - 125
Zinc	3.00440	2.66824	0.500000	-67.2	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4G0637

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0637-IBL1	240724-01 RR2-001	07/24/24 11:25
Cal Standard	S4G0637-CAL1	240724-01 RR2-002	07/24/24 11:28
Cal Standard	S4G0637-CAL2	240724-01 RR2-003	07/24/24 11:30
Cal Standard	S4G0637-CAL3	240724-01 RR2-004	07/24/24 11:32
Cal Standard	S4G0637-CAL4	240724-01 RR2-005	07/24/24 11:35
Cal Standard	S4G0637-CAL5	240724-01 RR2-006	07/24/24 11:37
Cal Standard	S4G0637-CAL6	240724-01 RR2-007	07/24/24 11:39
Cal Standard	S4G0637-CAL7	240724-01 RR2-008	07/24/24 11:41
Initial Cal Check	S4G0637-ICV1	240724-01 RR2-009	07/24/24 11:49
Initial Cal Blank	S4G0637-ICB1	240724-01 RR2-010	07/24/24 11:50
Interference Check A	S4G0637-IFA1	240724-01 RR2-012	07/24/24 12:00
Interference Check B	S4G0637-IFB1	240724-01 RR2-013	07/24/24 12:02
Calibration Check	S4G0637-CCV1	240724-01 RR2-014	07/24/24 13:08
Calibration Blank	S4G0637-CCB1	240724-01 RR2-015	07/24/24 13:10
Blank	B4G0768-BLK1	240724-01 RR2-016	07/24/24 13:12
LCS	B4G0768-BS1	240724-01 RR2-017	07/24/24 13:20
Matrix Spike	B4G0768-MS1	240724-01 RR2-018	07/24/24 13:22
Matrix Spike Dup	B4G0768-MSD1	240724-01 RR2-019	07/24/24 13:24
Post Spike	B4G0768-PS1	240724-01 RR2-020	07/24/24 13:26
Dilution Check	B4G0768-SRL1	240724-01 RR2-021	07/24/24 13:28
ENA19-WC-A1A2	2401187-01	240724-01 RR2-022	07/24/24 13:31
ENA19-WC-A1A2A3	2401187-02	240724-01 RR2-023	07/24/24 13:33
Calibration Check	S4G0637-CCV2	240724-01 RR2-026	07/24/24 13:39
Calibration Blank	S4G0637-CCB2	240724-01 RR2-027	07/24/24 13:41

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0637-ICV1	Antimony	0.500000	0.498742	99.7	07/24/24 11:49	+/- 10.00%
	Arsenic	0.500000	0.510534	102	07/24/24 11:49	+/- 10.00%
	Cadmium	0.500000	0.506751	101	07/24/24 11:49	+/- 10.00%
	Copper	0.500000	0.502838	101	07/24/24 11:49	+/- 10.00%
	Lead	0.500000	0.525030	105	07/24/24 11:49	+/- 10.00%
	Zinc	0.500000	0.539127	108	07/24/24 11:49	+/- 10.00%
S4G0637-CCV1	Antimony	2.00000	1.96147	98.1	07/24/24 13:08	+/- 10.00%
	Arsenic	2.00000	2.03888	102	07/24/24 13:08	+/- 10.00%
	Cadmium	2.00000	2.10413	105	07/24/24 13:08	+/- 10.00%
	Copper	2.00000	2.13943	107	07/24/24 13:08	+/- 10.00%
	Lead	2.00000	2.04107	102	07/24/24 13:08	+/- 10.00%
	Zinc	2.00000	2.06377	103	07/24/24 13:08	+/- 10.00%
S4G0637-CCV2	Antimony	2.00000	1.94557	97.3	07/24/24 13:39	+/- 10.00%
	Arsenic	2.00000	2.01696	101	07/24/24 13:39	+/- 10.00%
	Cadmium	2.00000	2.11904	106	07/24/24 13:39	+/- 10.00%
	Copper	2.00000	2.15913	108	07/24/24 13:39	+/- 10.00%
	Lead	2.00000	2.02587	101	07/24/24 13:39	+/- 10.00%
	Zinc	2.00000	2.04325	102	07/24/24 13:39	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0637-ICB1	Antimony	0.001776	0.02	0.04	07/24/24 11:50		EPA 6010B
	Arsenic	0.000458	0.01	0.04	07/24/24 11:50		EPA 6010B
	Cadmium	-0.020357	0.001	0.02	07/24/24 11:50	U	EPA 6010B
	Copper	-0.019041	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Lead	-0.008745	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Zinc	-0.005248	0.006	0.04	07/24/24 11:50	U	EPA 6010B
S4G0637-CCB1	Antimony	-0.000831	0.02	0.04	07/24/24 13:10	U	EPA 6010B
	Arsenic	0.000605	0.01	0.04	07/24/24 13:10		EPA 6010B
	Cadmium	-0.023831	0.001	0.02	07/24/24 13:10	U	EPA 6010B
	Copper	-0.017424	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Lead	-0.017219	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Zinc	-0.005160	0.006	0.04	07/24/24 13:10	U	EPA 6010B
S4G0637-CCB2	Antimony	-0.009456	0.02	0.04	07/24/24 13:41	U	EPA 6010B
	Arsenic	0.005421	0.01	0.04	07/24/24 13:41		EPA 6010B
	Cadmium	-0.023914	0.001	0.02	07/24/24 13:41	U	EPA 6010B
	Copper	-0.015404	0.004	0.02	07/24/24 13:41	U	EPA 6010B
	Lead	-0.017566	0.004	0.02	07/24/24 13:41	U	EPA 6010B
	Zinc	-0.004007	0.006	0.04	07/24/24 13:41	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFA1	Antimony		-0.00217	mg/L		<0.04	7/24/24 12:00
	Arsenic		-0.00089	mg/L		<0.04	7/24/24 12:00
	Cadmium		-0.01725	mg/L		<0.02	7/24/24 12:00
	Copper		-0.02703	mg/L		<0.02	7/24/24 12:00
	Lead		-0.04925	mg/L		<0.02	7/24/24 12:00
	Zinc		-0.01337	mg/L		<0.04	7/24/24 12:00

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFB1	Antimony	0.500000	0.46998	mg/L	6	±20.00 %	7/24/24 12:02
	Arsenic	0.500000	0.45654	mg/L	9	±20.00 %	7/24/24 12:02
	Cadmium	0.500000	0.48402	mg/L	3	±20.00 %	7/24/24 12:02
	Copper	0.500000	0.50106	mg/L	0	±20.00 %	7/24/24 12:02
	Lead	0.500000	0.44701	mg/L	11	±20.00 %	7/24/24 12:02
	Zinc	0.500000	0.44541	mg/L	11	±20.00 %	7/24/24 12:02

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124
Tel:
Fax:

SEND REPORT TO:
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com
Company: Parsons
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124

SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 928 Bernal Ave, Los Angeles
Project No.: 684735
Sampler: Joshua Cottingham
Quote #:
Site ID: ENA19
PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H8O7+Na2S2O3; 5=ZnAc2+NaOH; 7=NA2S2O3	Remarks
1	1	ENA19-WC-A1A2	ENA19-WC	7/15/2024	1401	x	x	x		1	5	1		
2	2	ENA19-WC-A1A2A3	ENA19-WC	7/15/2024	1403	x	x	x		1	5	1		
3														
4														
5														
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7														
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10														

(Special Instructions, Comments, Notes, etc.)

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Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Joshua Cottingham	7-15-24	1435	EY	7/15/24	1435
EY	7/15/24	1505	Jason	7/15/24	1505

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0417
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0417 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0418
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0418 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0419
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0419 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0420
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0420 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0421
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0421 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0422
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0422 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0423
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0423 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0424
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0424 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

Report Prepared For:

Parsons

Client Project Description:

ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

ATL Work Order: 2401187

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
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August 16, 2024

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Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401187

Client Reference : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on July 15, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 07:35 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ENA19-WC-A1A2	2401187-01	Soil	7/15/24 14:01	7/15/24 15:05
ENA19-WC-A1A2A3	2401187-02	Soil	7/15/24 14:03	7/15/24 15:05

Certificate of Analysis

Parsons		Project Number :	ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 15th, 2024 at 15:05. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
Q2	Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B16	Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B14	Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

STLC Metals by ICP-AES by EPA 6010B

Analyte: Lead **Analyst: KK2**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401187-01	ENA19-WC-A1 A2	**1.6**	mg/L	0.10	0.020	5	B4H0571	08/07/2024	08/09/24 14:46	

Client Sample ID: ENA19-WC-A1A2
Lab ID: 2401187-01

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**3.1**	2.0	0.77	1	B4G0768	07/16/2024	07/24/24 13:31	
Arsenic	**3.6**	2.0	0.71	1	B4G0768	07/16/2024	07/24/24 13:31	
Cadmium	**0.31**	1.0	0.06	1	B4G0768	07/16/2024	07/24/24 13:31	J
Copper	**32**	1.0	0.22	1	B4G0768	07/16/2024	07/24/24 13:31	
Lead	**71**	1.0	0.18	1	B4G0768	07/16/2024	07/24/24 13:31	
Zinc	**140**	2.0	0.30	1	B4G0768	07/16/2024	07/24/24 13:31	

Client Sample ID: ENA19-WC-A1A2A3
Lab ID: 2401187-02

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**2.2**	2.0	0.77	1	B4G0768	07/16/2024	07/24/24 13:33	
Arsenic	**3.0**	2.0	0.71	1	B4G0768	07/16/2024	07/24/24 13:33	
Cadmium	ND	1.0	0.06	1	B4G0768	07/16/2024	07/24/24 13:33	U
Copper	**18**	1.0	0.22	1	B4G0768	07/16/2024	07/24/24 13:33	
Lead	**27**	1.0	0.18	1	B4G0768	07/16/2024	07/24/24 13:33	
Zinc	**74**	2.0	0.30	1	B4G0768	07/16/2024	07/24/24 13:33	

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0768 - EPA 3050B_S										
Blank (B4G0768-BLK1)						Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0768-BS1)						Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	24.2930	2.0	0.77	25.0000		97.2	80 - 120			
Arsenic	24.1995	2.0	0.71	25.0000		96.8	80 - 120			
Cadmium	23.5918	1.0	0.06	25.0000		94.4	80 - 120			
Copper	24.1680	1.0	0.22	25.0000		96.7	80 - 120			
Lead	24.0650	1.0	0.18	25.0000		96.3	80 - 120			
Zinc	25.2632	2.0	0.30	25.0000		101	80 - 120			
Matrix Spike (B4G0768-MS1)			**Source: 2401190-01**			Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	24.2832	2.0	0.77	25.0000	3.62872	82.6	75 - 125			
Arsenic	27.5002	2.0	0.71	25.0000	4.49148	92.0	75 - 125			
Cadmium	24.2051	1.0	0.06	25.0000	ND	96.8	75 - 125			
Copper	47.5972	1.0	0.22	25.0000	24.2747	93.3	75 - 125			
Lead	76.8227	1.0	0.18	25.0000	78.5781	-7.02	75 - 125			M2
Zinc	134.345	2.0	0.30	25.0000	150.220	-63.5	75 - 125			M2
Matrix Spike Dup (B4G0768-MSD1)			**Source: 2401190-01**			Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	21.8707	2.0	0.77	25.0000	3.62872	73.0	75 - 125	10.5	20	M2
Arsenic	27.3175	2.0	0.71	25.0000	4.49148	91.3	75 - 125	0.667	20	
Cadmium	24.2591	1.0	0.06	25.0000	ND	97.0	75 - 125	0.223	20	
Copper	48.3232	1.0	0.22	25.0000	24.2747	96.2	75 - 125	1.51	20	
Lead	76.3491	1.0	0.18	25.0000	78.5781	-8.92	75 - 125	0.618	20	M2
Zinc	136.348	2.0	0.30	25.0000	150.220	-55.5	75 - 125	1.48	20	M2

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0768 - EPA 3050B_S									
Post Spike (B4G0768-PS1)		**Source: 2401190-01**			Prepared: 7/15/2024 Analyzed: 7/24/2024				
Antimony	0.401840		0.500000	0.072574	65.9	75 - 125			M2
Arsenic	0.528428		0.500000	0.089830	87.7	75 - 125			
Cadmium	0.483751		0.500000	0.000923	96.6	75 - 125			
Copper	0.964610		0.500000	0.485493	95.8	75 - 125			
Lead	1.56805		0.500000	1.57156	-0.703	75 - 125			M2
Zinc	2.66824		0.500000	3.00440	-67.2	75 - 125			M2

Certificate of Analysis

Parsons	Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4H0571 - STLC_S Extraction										
Blank (B4H0571-BLK1)						Prepared: 8/7/2024 Analyzed: 8/9/2024				
Lead	ND	0.10	0.020							U
LCS (B4H0571-BS1)						Prepared: 8/7/2024 Analyzed: 8/13/2024				
Lead	0.538026	0.10	0.020	0.500000		108	80 - 120			
Matrix Spike (B4H0571-MS1)			**Source: 2401187-01**			Prepared: 8/7/2024 Analyzed: 8/9/2024				
Lead	2.15162	0.10	0.020	0.500000	1.62716	105	75 - 125			
Matrix Spike Dup (B4H0571-MSD1)			**Source: 2401187-01**			Prepared: 8/7/2024 Analyzed: 8/9/2024				
Lead	2.17077	0.10	0.020	0.500000	1.62716	109	75 - 125	0.886	20	
Post Spike (B4H0571-PS1)			**Source: 2401187-01**			Prepared: 8/7/2024 Analyzed: 8/14/2024				
Lead	2.14995			0.500000	1.62716	105	75 - 125			

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**

Address: 100 W. Walnut Street Tel:

City: Pasadena State: CA Zip: 91124 Fax:

SEND REPORT TO:

Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com

Company: Parsons

Address: 100 W. Walnut Street

City: Pasadena State: CA Zip: 91124

SEND INVOICE TO: ☐ same as SEND REPORT TO

Attn: Email:

Company:

Address:

City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential

Site Address: 928 Bernal Ave, Los Angeles

Project No.: 684735

Sampler: Joshua Cottingham

Quote #:

Site ID: ENA19

PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H8O7+ZnAc2; 5=NaOH; 7=NaAsO2	Remarks
1	1	ENA19-WC-A1A2	ENA19-WC	7/15/2024	1401	x	x	x		1	5	1		
2	2	ENA19-WC-A1A2A3	ENA19-WC	7/15/2024	1403	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

Requested Analysis / Sample Matrix

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature]	7-15-24	1435	[signature]	7/15/24	1435
[signature]	7/15/24	1505	[signature]	7/15/24	1505
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Thursday, August 1, 2024 2:04 PM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401187

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**ENA19 - 928 Bernal Ave., Los Angeles, CA 90023**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	08/08/2024 20:00	Received in Lab:	07/15/2024 15:05
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401187-01 ENA19-WC-A1A2 [Soil] Sampled 07/15/2024 14:01			
6010_STLC Ver: Pb	08/08/2024 20:00	01/11/2025 00:00	
6010_Exide_6 Metals Ver: NONE	08/08/2024 20:00	01/11/2025 00:00	1
2401187-02 ENA19-WC-A1A2A3 [Soil] Sampled 07/15/2024 14:03			
6010_Exide_6 Metals Ver: NONE	08/08/2024 20:00	01/11/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401187

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**ENA19 - 928 Bernal Ave., Los Angeles, CA 90023**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
ENA19-WC-A1A2	2401187-01
ENA19-WC-A1A2A3	2401187-02

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401187-01 | Laboratory ID: ENA19-WC-A1A2

Sampled: 07/15/24 14:01 | Prepared: 07/16/24 08:30 | Analyzed: 07/24/24 13:31

Batch: B4G0768 | Sequence: S4G0637 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	3.1	0.77	2.0	1	
7440-38-2	Arsenic	3.6	0.71	2.0	1	
7440-43-9	Cadmium	0.31	0.06	1.0	1	J
7440-50-8	Copper	32	0.22	1.0	1	
7439-92-1	Lead	71	0.18	1.0	1	
7440-66-6	Zinc	140	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401187-02 | Laboratory ID: ENA19-WC-A1A2A3

Sampled: 07/15/24 14:03 | Prepared: 07/16/24 08:30 | Analyzed: 07/24/24 13:33

Batch: B4G0768 | Sequence: S4G0637 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	2.2	0.77	2.0	1	
7440-38-2	Arsenic	3.0	0.71	2.0	1	
7440-43-9	Cadmium	ND	0.06	1.0	1	U
7440-50-8	Copper	18	0.22	1.0	1	
7439-92-1	Lead	27	0.18	1.0	1	
7440-66-6	Zinc	74	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401187
Client:	Parsons	Project:	ENA19 - 928 Bernal Ave., Los Angeles, CA 900
Batch:	B4G0768 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
ENA19-WC-A1A2	2401187-01	07/16/24 08:30	1.00	50
ENA19-WC-A1A2A3	2401187-02	07/16/24 08:30	1.00	50
Blank	B4G0768-BLK1	07/15/24 17:29	1.00	50
LCS	B4G0768-BS1	07/15/24 17:29	1.00	50
Matrix Spike	B4G0768-MS1	07/15/24 17:29	1.00	50
Matrix Spike Dup	B4G0768-MSD1	07/15/24 17:29	1.00	50
Dilution Check	B4G0768-SRL1	07/15/24 17:29	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0768

Extraction Method: EPA 3050B_S

Batch Start Date: 07/22/2024 11:00 **Batch Analyst:** DL2

Analysis Method: EPA 6010B

Batch End Date: 07/22/2024 13:15

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401187-01	ENA19-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401187-02	ENA19-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0768-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0768-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0768-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401190-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0768-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401190-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0768-SRL1	Dilution Check	1.00	50.00			2401190-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0571	1:1 Nitric Acid	NA
A4G0395	Hydrogen Peroxide	K54376509
A4G0398	Concentrated Nitric Acid	240238
A4D0549	Concentrated Hydrochloric Acid	4123090

Equipment Used

Type	Equipment ID	LotNum
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718
Dispenser ID	MPDISP02	347844
Dispenser ID	MPDISP03	18D19828
Pipette	MPP01	22E77439
Dispenser ID	MPDISP01	04K58398
Thermometer ID	MPTHERM 09	935128
Digestion Unit	DB01	4507CEC2139

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0768

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0768-BLK1	Antimony	-0.318631	0.77	2.0	07/24/24 13:12	U	EPA 6010B
	Arsenic	-0.353859	0.71	2.0	07/24/24 13:12	U	EPA 6010B
	Cadmium	-1.21241	0.06	1.0	07/24/24 13:12	U	EPA 6010B
	Copper	-0.789760	0.22	1.0	07/24/24 13:12	U	EPA 6010B
	Lead	-0.880516	0.18	1.0	07/24/24 13:12	U	EPA 6010B
	Zinc	-0.341980	0.30	2.0	07/24/24 13:12	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Laboratory ID: B4G0768-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	24.2930	25.0000	97.2		80 - 120
Arsenic	24.1995	25.0000	96.8		80 - 120
Cadmium	23.5918	25.0000	94.4		80 - 120
Copper	24.1680	25.0000	96.7		80 - 120
Lead	24.0650	25.0000	96.3		80 - 120
Zinc	25.2632	25.0000	101		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	3.62872	24.2832	25.0000	82.6		75 - 125
Arsenic	4.49148	27.5002	25.0000	92.0		75 - 125
Cadmium	ND	24.2051	25.0000	96.8		75 - 125
Copper	24.2747	47.5972	25.0000	93.3		75 - 125
Lead	78.5781	76.8227	25.0000	-7.02	M2	75 - 125
Zinc	150.220	134.345	25.0000	-63.5	M2	75 - 125

Laboratory ID: B4G0768-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	21.8707	73.0	10.5	25.0000	M2	20	75 - 125
Arsenic	27.3175	91.3	0.667	25.0000		20	75 - 125
Cadmium	24.2591	97.0	0.223	25.0000		20	75 - 125
Copper	48.3232	96.2	1.51	25.0000		20	75 - 125
Lead	76.3491	-8.92	0.618	25.0000	M2	20	75 - 125
Zinc	136.348	-55.5	1.48	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0768

Concentration Units: mg/L

Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0768-PS1						
Antimony	0.072574	0.401840	0.500000	65.9	M2	75 - 125
Arsenic	0.089830	0.528428	0.500000	87.7		75 - 125
Cadmium	0.000923	0.483751	0.500000	96.6		75 - 125
Copper	0.485493	0.964610	0.500000	95.8		75 - 125
Lead	1.57156	1.56805	0.500000	-0.703	M2	75 - 125
Zinc	3.00440	2.66824	0.500000	-67.2	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4G0637

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4G0637-IBL1	240724-01 RR2-001	07/24/24 11:25
Cal Standard	S4G0637-CAL1	240724-01 RR2-002	07/24/24 11:28
Cal Standard	S4G0637-CAL2	240724-01 RR2-003	07/24/24 11:30
Cal Standard	S4G0637-CAL3	240724-01 RR2-004	07/24/24 11:32
Cal Standard	S4G0637-CAL4	240724-01 RR2-005	07/24/24 11:35
Cal Standard	S4G0637-CAL5	240724-01 RR2-006	07/24/24 11:37
Cal Standard	S4G0637-CAL6	240724-01 RR2-007	07/24/24 11:39
Cal Standard	S4G0637-CAL7	240724-01 RR2-008	07/24/24 11:41
Initial Cal Check	S4G0637-ICV1	240724-01 RR2-009	07/24/24 11:49
Initial Cal Blank	S4G0637-ICB1	240724-01 RR2-010	07/24/24 11:50
Interference Check A	S4G0637-IFA1	240724-01 RR2-012	07/24/24 12:00
Interference Check B	S4G0637-IFB1	240724-01 RR2-013	07/24/24 12:02
Calibration Check	S4G0637-CCV1	240724-01 RR2-014	07/24/24 13:08
Calibration Blank	S4G0637-CCB1	240724-01 RR2-015	07/24/24 13:10
Blank	B4G0768-BLK1	240724-01 RR2-016	07/24/24 13:12
LCS	B4G0768-BS1	240724-01 RR2-017	07/24/24 13:20
Matrix Spike	B4G0768-MS1	240724-01 RR2-018	07/24/24 13:22
Matrix Spike Dup	B4G0768-MSD1	240724-01 RR2-019	07/24/24 13:24
Post Spike	B4G0768-PS1	240724-01 RR2-020	07/24/24 13:26
Dilution Check	B4G0768-SRL1	240724-01 RR2-021	07/24/24 13:28
ENA19-WC-A1A2	2401187-01	240724-01 RR2-022	07/24/24 13:31
ENA19-WC-A1A2A3	2401187-02	240724-01 RR2-023	07/24/24 13:33
Calibration Check	S4G0637-CCV2	240724-01 RR2-026	07/24/24 13:39
Calibration Blank	S4G0637-CCB2	240724-01 RR2-027	07/24/24 13:41

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4G0637-ICV1	Antimony	0.500000	0.498742	99.7	07/24/24 11:49	+/- 10.00%
	Arsenic	0.500000	0.510534	102	07/24/24 11:49	+/- 10.00%
	Cadmium	0.500000	0.506751	101	07/24/24 11:49	+/- 10.00%
	Copper	0.500000	0.502838	101	07/24/24 11:49	+/- 10.00%
	Lead	0.500000	0.525030	105	07/24/24 11:49	+/- 10.00%
	Zinc	0.500000	0.539127	108	07/24/24 11:49	+/- 10.00%
S4G0637-CCV1	Antimony	2.00000	1.96147	98.1	07/24/24 13:08	+/- 10.00%
	Arsenic	2.00000	2.03888	102	07/24/24 13:08	+/- 10.00%
	Cadmium	2.00000	2.10413	105	07/24/24 13:08	+/- 10.00%
	Copper	2.00000	2.13943	107	07/24/24 13:08	+/- 10.00%
	Lead	2.00000	2.04107	102	07/24/24 13:08	+/- 10.00%
	Zinc	2.00000	2.06377	103	07/24/24 13:08	+/- 10.00%
S4G0637-CCV2	Antimony	2.00000	1.94557	97.3	07/24/24 13:39	+/- 10.00%
	Arsenic	2.00000	2.01696	101	07/24/24 13:39	+/- 10.00%
	Cadmium	2.00000	2.11904	106	07/24/24 13:39	+/- 10.00%
	Copper	2.00000	2.15913	108	07/24/24 13:39	+/- 10.00%
	Lead	2.00000	2.02587	101	07/24/24 13:39	+/- 10.00%
	Zinc	2.00000	2.04325	102	07/24/24 13:39	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4G0637-ICB1	Antimony	0.001776	0.02	0.04	07/24/24 11:50		EPA 6010B
	Arsenic	0.000458	0.01	0.04	07/24/24 11:50		EPA 6010B
	Cadmium	-0.020357	0.001	0.02	07/24/24 11:50	U	EPA 6010B
	Copper	-0.019041	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Lead	-0.008745	0.004	0.02	07/24/24 11:50	U	EPA 6010B
	Zinc	-0.005248	0.006	0.04	07/24/24 11:50	U	EPA 6010B
S4G0637-CCB1	Antimony	-0.000831	0.02	0.04	07/24/24 13:10	U	EPA 6010B
	Arsenic	0.000605	0.01	0.04	07/24/24 13:10		EPA 6010B
	Cadmium	-0.023831	0.001	0.02	07/24/24 13:10	U	EPA 6010B
	Copper	-0.017424	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Lead	-0.017219	0.004	0.02	07/24/24 13:10	U	EPA 6010B
	Zinc	-0.005160	0.006	0.04	07/24/24 13:10	U	EPA 6010B
S4G0637-CCB2	Antimony	-0.009456	0.02	0.04	07/24/24 13:41	U	EPA 6010B
	Arsenic	0.005421	0.01	0.04	07/24/24 13:41		EPA 6010B
	Cadmium	-0.023914	0.001	0.02	07/24/24 13:41	U	EPA 6010B
	Copper	-0.015404	0.004	0.02	07/24/24 13:41	U	EPA 6010B
	Lead	-0.017566	0.004	0.02	07/24/24 13:41	U	EPA 6010B
	Zinc	-0.004007	0.006	0.04	07/24/24 13:41	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFA1	Antimony		-0.00217	mg/L		<0.04	7/24/24 12:00
	Arsenic		-0.00089	mg/L		<0.04	7/24/24 12:00
	Cadmium		-0.01725	mg/L		<0.02	7/24/24 12:00
	Copper		-0.02703	mg/L		<0.02	7/24/24 12:00
	Lead		-0.04925	mg/L		<0.02	7/24/24 12:00
	Zinc		-0.01337	mg/L		<0.04	7/24/24 12:00

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4G0637-IFB1	Antimony	0.500000	0.46998	mg/L	6	±20.00 %	7/24/24 12:02
	Arsenic	0.500000	0.45654	mg/L	9	±20.00 %	7/24/24 12:02
	Cadmium	0.500000	0.48402	mg/L	3	±20.00 %	7/24/24 12:02
	Copper	0.500000	0.50106	mg/L	0	±20.00 %	7/24/24 12:02
	Lead	0.500000	0.44701	mg/L	11	±20.00 %	7/24/24 12:02
	Zinc	0.500000	0.44541	mg/L	11	±20.00 %	7/24/24 12:02

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Sample Data

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil Laboratory ID: 2401187-01 Laboratory ID: ENA19-WC-A1A2

Sampled: 07/15/24 14:01 Prepared: 08/07/24 17:37 Analyzed: 08/09/24 14:46

Batch: B4H0571 Sequence: S4H0423 Instrument: ICP-16

Preparation: STLC_S Extraction Method: WET/EPA 6010B Concentration Units: mg/L

Leach Batch: B4H0527 Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	1.6	0.020	0.10	5	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401187
Client:	Parsons	Project:	ENA19 - 928 Bernal Ave., Los Angeles, CA 900
Batch:	B4H0571 Batch Matrix: Soil	Preparation:	STLC_S Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
ENA19-WC-A1A2	2401187-01	08/07/24 17:37	25.00	25
Blank	B4H0571-BLK1	08/07/24 17:37	25.00	25
LCS	B4H0571-BS1	08/07/24 17:37	25.00	25
Matrix Spike	B4H0571-MS1	08/07/24 17:37	25.00	25
Matrix Spike Dup	B4H0571-MSD1	08/07/24 17:37	25.00	25
Dilution Check	B4H0571-SRL1	08/07/24 17:37	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4H0571

Extraction Method: STLC_S Extraction

Batch Start Date:

Batch Analyst: CH

Analysis Method: WET/EPA 6010B

Batch End Date:

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401187-01	ENA19-WC-A1A2	25.00	25.00								
B4H0571-BLK1	Blank	25.00	25.00								
B4H0571-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250						
B4H0571-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2401187-01					
B4H0571-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2401187-01					
B4H0571-SRL1	Dilution Check	25.00	25.00			2401187-01					

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0571

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4H0571-BLK1	Lead	-0.202257	0.020	0.10	08/9/24 14:36	U	WET/EPA 6010B

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0423

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0423-IBL1	240809-01 RR-001	08/09/24 11:34
Cal Standard	S4H0423-CAL1	240809-01 RR-002	08/09/24 11:37
Cal Standard	S4H0423-CAL2	240809-01 RR-003	08/09/24 11:39
Cal Standard	S4H0423-CAL3	240809-01 RR-004	08/09/24 11:42
Cal Standard	S4H0423-CAL4	240809-01 RR-005	08/09/24 11:44
Cal Standard	S4H0423-CAL5	240809-01 RR-006	08/09/24 11:46
Cal Standard	S4H0423-CAL6	240809-01 RR-007	08/09/24 11:48
Cal Standard	S4H0423-CAL7	240809-01 RR-008	08/09/24 11:50
Initial Cal Check	S4H0423-ICV1	240809-01 RR-009	08/09/24 12:06
Initial Cal Blank	S4H0423-ICB1	240809-01 RR-010	08/09/24 12:09
Interference Check A	S4H0423-IFA1	240809-01 RR-012	08/09/24 12:16
Interference Check B	S4H0423-IFB1	240809-01 RR-013	08/09/24 12:17
Calibration Check	S4H0423-CCV1	240809-01 RR-014	08/09/24 12:24
Calibration Blank	S4H0423-CCB1	240809-01 RR-015	08/09/24 12:26
Calibration Check	S4H0423-CCV4	240809-01 RR-062	08/09/24 14:25
Calibration Blank	S4H0423-CCB4	240809-01 RR-063	08/09/24 14:27
Blank	B4H0571-BLK1	240809-01 RR-067	08/09/24 14:36
ENA19-WC-A1A2	B4H0571-MS1	240809-01 RR-069	08/09/24 14:41
ENA19-WC-A1A2	B4H0571-MSD1	240809-01 RR-070	08/09/24 14:44
ENA19-WC-A1A2	2401187-01	240809-01 RR-071	08/09/24 14:46
Calibration Check	S4H0423-CCV5	240809-01 RR-074	08/09/24 14:53
Calibration Blank	S4H0423-CCB5	240809-01 RR-075	08/09/24 14:55

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	1.62716	2.15162	0.500000	105		75 - 125

Laboratory ID: B4H0571-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	2.17077	109	0.886	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4H0571-PS1						
Lead	1.62716	2.14995	0.500000	105		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0423

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0423-IBL1	240809-01 RR-001	08/09/24 11:34
Cal Standard	S4H0423-CAL1	240809-01 RR-002	08/09/24 11:37
Cal Standard	S4H0423-CAL2	240809-01 RR-003	08/09/24 11:39
Cal Standard	S4H0423-CAL3	240809-01 RR-004	08/09/24 11:42
Cal Standard	S4H0423-CAL4	240809-01 RR-005	08/09/24 11:44
Cal Standard	S4H0423-CAL5	240809-01 RR-006	08/09/24 11:46
Cal Standard	S4H0423-CAL6	240809-01 RR-007	08/09/24 11:48
Cal Standard	S4H0423-CAL7	240809-01 RR-008	08/09/24 11:50
Initial Cal Check	S4H0423-ICV1	240809-01 RR-009	08/09/24 12:06
Initial Cal Blank	S4H0423-ICB1	240809-01 RR-010	08/09/24 12:09
Interference Check A	S4H0423-IFA1	240809-01 RR-012	08/09/24 12:16
Interference Check B	S4H0423-IFB1	240809-01 RR-013	08/09/24 12:17
Calibration Check	S4H0423-CCV1	240809-01 RR-014	08/09/24 12:24
Calibration Blank	S4H0423-CCB1	240809-01 RR-015	08/09/24 12:26
Calibration Check	S4H0423-CCV4	240809-01 RR-062	08/09/24 14:25
Calibration Blank	S4H0423-CCB4	240809-01 RR-063	08/09/24 14:27
Blank	B4H0571-BLK1	240809-01 RR-067	08/09/24 14:36
ENA19-WC-A1A2	B4H0571-MS1	240809-01 RR-069	08/09/24 14:41
ENA19-WC-A1A2	B4H0571-MSD1	240809-01 RR-070	08/09/24 14:44
ENA19-WC-A1A2	2401187-01	240809-01 RR-071	08/09/24 14:46
Calibration Check	S4H0423-CCV5	240809-01 RR-074	08/09/24 14:53
Calibration Blank	S4H0423-CCB5	240809-01 RR-075	08/09/24 14:55

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0455

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0455-IBL1	240813-02 RR-001	08/13/24 17:33
Cal Standard	S4H0455-CAL1	240813-02 RR-002	08/13/24 17:36
Cal Standard	S4H0455-CAL2	240813-02 RR-003	08/13/24 17:38
Cal Standard	S4H0455-CAL3	240813-02 RR-004	08/13/24 17:40
Cal Standard	S4H0455-CAL4	240813-02 RR-005	08/13/24 17:43
Cal Standard	S4H0455-CAL5	240813-02 RR-006	08/13/24 17:45
Cal Standard	S4H0455-CAL6	240813-02 RR-007	08/13/24 17:47
Cal Standard	S4H0455-CAL7	240813-02 RR-008	08/13/24 17:49
Initial Cal Check	S4H0455-ICV1	240813-02 RR-009	08/13/24 17:56
Initial Cal Blank	S4H0455-ICB1	240813-02 RR-010	08/13/24 17:58
Interference Check A	S4H0455-IFA1	240813-02 RR-012	08/13/24 18:04
Interference Check B	S4H0455-IFB1	240813-02 RR-013	08/13/24 18:06
Calibration Check	S4H0455-CCV1	240813-02 RR-026	08/13/24 18:57
Calibration Blank	S4H0455-CCB1	240813-02 RR-027	08/13/24 18:59
LCS	B4H0571-BS1	240813-02 RR-032	08/13/24 19:11
Calibration Check	S4H0455-CCV2	240813-02 RR-036	08/13/24 19:25
Calibration Blank	S4H0455-CCB2	240813-02 RR-037	08/13/24 19:27

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0472

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0472-IBL1	240814-01 RR-001	08/14/24 10:53
Cal Standard	S4H0472-CAL1	240814-01 RR-002	08/14/24 10:56
Cal Standard	S4H0472-CAL2	240814-01 RR-003	08/14/24 10:58
Cal Standard	S4H0472-CAL3	240814-01 RR-004	08/14/24 11:00
Cal Standard	S4H0472-CAL4	240814-01 RR-005	08/14/24 11:03
Cal Standard	S4H0472-CAL5	240814-01 RR-006	08/14/24 11:05
Cal Standard	S4H0472-CAL6	240814-01 RR-007	08/14/24 11:07
Cal Standard	S4H0472-CAL7	240814-01 RR-008	08/14/24 11:09
Initial Cal Check	S4H0472-ICV1	240814-01 RR-009	08/14/24 11:20
Initial Cal Blank	S4H0472-ICB1	240814-01 RR-010	08/14/24 11:22
Interference Check A	S4H0472-IFA1	240814-01 RR-012	08/14/24 11:28
Interference Check B	S4H0472-IFB1	240814-01 RR-013	08/14/24 11:30
Calibration Check	S4H0472-CCV1	240814-01 RR-014	08/14/24 11:38
Calibration Blank	S4H0472-CCB1	240814-01 RR-015	08/14/24 11:40
Calibration Check	S4H0472-CCVI	240814-01 RR-253	08/14/24 20:54
Calibration Blank	S4H0472-CCBI	240814-01 RR-254	08/14/24 20:56
ENA19-WC-A1A2	B4H0571-PS1	240814-01 RR-264	08/14/24 21:19
Calibration Check	S4H0472-CCVJ	240814-01 RR-265	08/14/24 21:22
Calibration Blank	S4H0472-CCBJ	240814-01 RR-266	08/14/24 21:24
ENA19-WC-A1A2	B4H0571-SRL1	240814-01 RR-267	08/14/24 21:26
Calibration Check	S4H0472-CCVK	240814-01 RR-277	08/14/24 21:50
Calibration Blank	S4H0472-CCBK	240814-01 RR-278	08/14/24 21:53

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0423
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0423-ICV1	Lead	0.500000	0.524432	105	08/09/24 12:06	+/- 10.00%
S4H0423-CCV1	Lead	2.00000	2.02457	101	08/09/24 12:24	+/- 10.00%
S4H0423-CCV4	Lead	2.00000	1.98418	99.2	08/09/24 14:25	+/- 10.00%
S4H0423-CCV5	Lead	2.00000	1.98223	99.1	08/09/24 14:53	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0455
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0455-ICV1	Lead	0.500000	0.527465	105	08/13/24 17:56	+/- 10.00%
S4H0455-CCV1	Lead	2.00000	1.98452	99.2	08/13/24 18:57	+/- 10.00%
S4H0455-CCV2	Lead	2.00000	2.00086	100	08/13/24 19:25	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0472-ICV1	Lead	0.500000	0.527184	105	08/14/24 11:20	+/- 10.00%
S4H0472-CCV1	Lead	2.00000	1.98890	99.4	08/14/24 11:38	+/- 10.00%
S4H0472-CCVI	Lead	2.00000	1.96174	98.1	08/14/24 20:54	+/- 10.00%
S4H0472-CCVJ	Lead	2.00000	1.94340	97.2	08/14/24 21:22	+/- 10.00%
S4H0472-CCVK	Lead	2.00000	1.92082	96.0	08/14/24 21:50	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0423

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0423-ICB1	Lead	-0.029312	0.0041	0.020	08/9/24 12:09	U	WET/EPA 6010B
S4H0423-CCB1	Lead	-0.031805	0.0041	0.020	08/9/24 12:26	U	WET/EPA 6010B
S4H0423-CCB4	Lead	-0.038290	0.0041	0.020	08/9/24 14:27	U	WET/EPA 6010B
S4H0423-CCB5	Lead	-0.041451	0.0041	0.020	08/9/24 14:55	U	WET/EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0455

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0455-ICB1	Lead	0.002019	0.0041	0.020	08/13/24 17:58		WET/EPA 6010B
S4H0455-CCB1	Lead	-0.002293	0.0041	0.020	08/13/24 18:59	U	WET/EPA 6010B
S4H0455-CCB2	Lead	0.003004	0.0041	0.020	08/13/24 19:27		WET/EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0472-ICB1	Lead	0.007855	0.0041	0.020	08/14/24 11:22	16, Q	WET/EPA 6010B
S4H0472-CCB1	Lead	0.008591	0.0041	0.020	08/14/24 11:40	3, B	WET/EPA 6010B
S4H0472-CCBI	Lead	0.002873	0.0041	0.020	08/14/24 20:56		WET/EPA 6010B
S4H0472-CCBJ	Lead	0.001220	0.0041	0.020	08/14/24 21:24		WET/EPA 6010B
S4H0472-CCBK	Lead	0.001927	0.0041	0.020	08/14/24 21:53		WET/EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0423
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0423-IFA1	Lead		-0.05526	mg/L		<0.02	8/9/24 12:16

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0423
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0423-IFB1	Lead	0.500000	0.44761	mg/L	11	±20.00 %	8/9/24 12:17

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0455
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0455-IFA1	Lead		-0.01547	mg/L		<0.02	8/13/24 18:04

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0455
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0455-IFB1	Lead	0.500000	0.43829	mg/L	12	±20.00 %	8/13/24 18:06

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFA1	Lead		0.00074	mg/L		<0.02	8/14/24 11:28

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFB1	Lead	0.500000	0.49434	mg/L	1	±20.00 %	8/14/24 11:30

METHOD DETECTION AND REPORTING LIMITS
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instructio n: Complete all shaded areas .

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

Condition	Y	N	Condition	Y	N
1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124
Tel:
Fax:

SEND REPORT TO:
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com
Company: Parsons
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124

SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 928 Bernal Ave, Los Angeles
Project No.: 684735
Sampler: Joshua Cottingham
Quote #:
Site ID: ENA19
PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Metals (As, Pb,Sb,Cd,Cu,Zn)	Lead (6010B)	Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H5Zn(OAc)2; 5=NaOH; 7=NaAsO2	Remarks
1	1	ENA19-WC-A1A2	ENA19-WC	7/15/2024	1401	x	x	x		1	5	1		
2	2	ENA19-WC-A1A2A3	ENA19-WC	7/15/2024	1403	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Joshua Cottingham	7-15-24	1435	EY	7/15/24	1435
EY	7/15/24	1505	Jason	7/15/24	1505

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Thursday, August 1, 2024 2:04 PM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0417
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0417 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0473	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0418
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0418 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0472	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0419
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0419 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0420
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0420 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0470	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0421
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0421 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0422
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0422 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0468	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0423
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0423 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4C0439	na	200.0000
A3J0570	2325728-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0424
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/11/2024
Date Expires: 07/25/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0424 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0432
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/15/2024
Date Expires: 07/29/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0432 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3J0482	2222032-100	3.0000
A0B0014	220015067	0.1500

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0436
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0438
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/17/2024
Date Expires: 07/31/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0438 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0436	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0505
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0505 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0521
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0521 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0522	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0522
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0522 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0523	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0523
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0523 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0524
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0524 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0525
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0525 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0526
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0526 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0527
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0527 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0507	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0528
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0528 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0504	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0394
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 08/07/2024
Date Expires: 08/21/2024
Prepared by: Juan Flores
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0394 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0434
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0434 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0435
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4H0435 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0436
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/21/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4H0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0394	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0457
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4H0457 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0443	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0458
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0458 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0459
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0459 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0460
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0460 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0461
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0461 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0462
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0462 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0461	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0463
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0463 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0462	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

Report Prepared For:

Parsons

Client Project Description:
D1543 - 4647 E 59th Pl, Maywood, CA 90270

ATL Work Order: 2401268

Date of Preparation: 08-06-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401268

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August 06, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401268

Client Reference : D1543 - 4647 E 59th Pl, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 26, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/06/24 07:57 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/06/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D1543-WC-A1A2	2401268-01	Soil	7/26/24 13:30	7/26/24 14:11
D1543-WC-A1A2A3	2401268-02	Soil	7/26/24 13:34	7/26/24 14:11

Certificate of Analysis

Parsons		Project Number :	D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/06/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 26th, 2024 at 14:11. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/06/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/06/2024

Client Sample ID: D1543-WC-A1A2
Lab ID: 2401268-01

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	0.77	1	B4G0995	07/29/2024	08/01/24 00:27	U
Arsenic	**2.4**	2.0	0.71	1	B4G0995	07/29/2024	08/01/24 00:27	
Cadmium	**0.89**	1.0	0.06	1	B4G0995	07/29/2024	08/01/24 00:27	J
Copper	**22**	1.0	0.22	1	B4G0995	07/29/2024	08/01/24 00:27	
Lead	**74**	1.0	0.18	1	B4G0995	07/29/2024	08/01/24 00:27	
Zinc	**110**	2.0	0.30	1	B4G0995	07/29/2024	08/01/24 00:27	

Client Sample ID: D1543-WC-A1A2A3
Lab ID: 2401268-02

Total Metals by ICP-AES EPA 6010B — **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**1.7**	2.0	0.77	1	B4G0995	07/29/2024	08/01/24 00:29	J
Arsenic	**1.9**	2.0	0.71	1	B4G0995	07/29/2024	08/01/24 00:29	J
Cadmium	**0.67**	1.0	0.06	1	B4G0995	07/29/2024	08/01/24 00:29	J
Copper	**22**	1.0	0.22	1	B4G0995	07/29/2024	08/01/24 00:29	
Lead	**65**	1.0	0.18	1	B4G0995	07/29/2024	08/01/24 00:29	
Zinc	**92**	2.0	0.30	1	B4G0995	07/29/2024	08/01/24 00:29	

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/06/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0995 - EPA 3050B_S										
Blank (B4G0995-BLK1)						Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0995-BS1)						Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	23.9269	2.0	0.77	25.0000		95.7	80 - 120			
Arsenic	25.3056	2.0	0.71	25.0000		101	80 - 120			
Cadmium	23.0076	1.0	0.06	25.0000		92.0	80 - 120			
Copper	23.3024	1.0	0.22	25.0000		93.2	80 - 120			
Lead	23.4384	1.0	0.18	25.0000		93.8	80 - 120			
Zinc	24.7254	2.0	0.30	25.0000		98.9	80 - 120			
Matrix Spike (B4G0995-MS1)			**Source: 2401267-01**			Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	20.3066	2.0	0.77	25.0000	0.996070	77.2	75 - 125			
Arsenic	25.4820	2.0	0.71	25.0000	1.18180	97.2	75 - 125			
Cadmium	24.0570	1.0	0.06	25.0000	0.444469	94.5	75 - 125			
Copper	38.0482	1.0	0.22	25.0000	12.4302	102	75 - 125			
Lead	34.4912	1.0	0.18	25.0000	6.66963	111	75 - 125			
Zinc	75.0390	2.0	0.30	25.0000	43.3433	127	75 - 125			M2
Matrix Spike Dup (B4G0995-MSD1)			**Source: 2401267-01**			Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	20.0126	2.0	0.77	25.0000	0.996070	76.1	75 - 125	1.46	20	
Arsenic	25.7403	2.0	0.71	25.0000	1.18180	98.2	75 - 125	1.01	20	
Cadmium	24.3366	1.0	0.06	25.0000	0.444469	95.6	75 - 125	1.16	20	
Copper	38.5400	1.0	0.22	25.0000	12.4302	104	75 - 125	1.28	20	
Lead	33.6382	1.0	0.18	25.0000	6.66963	108	75 - 125	2.50	20	
Zinc	74.8428	2.0	0.30	25.0000	43.3433	126	75 - 125	0.262	20	M2

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/06/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0995 - EPA 3050B_S									
Post Spike (B4G0995-PS1)			**Source: 2401267-01**		Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	0.404133		0.500000	0.019921	76.8	75 - 125			
Arsenic	0.485011		0.500000	0.023636	92.3	75 - 125			
Cadmium	0.483984		0.500000	0.008889	95.0	75 - 125			
Copper	0.773538		0.500000	0.248605	105	75 - 125			
Lead	0.708430		0.500000	0.133393	115	75 - 125			
Zinc	1.54600		0.500000	0.866866	136	75 - 125			M2

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ ESO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other: _____	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:	
	City: Pasadena	State: CA	Zip: 91124	Fax:	

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential	Quote #:	
Site Address: 4647 E 59th Pl, Maywood CA 90270	Site ID: D1S43	
Project No.: 684735	PO #:	
Sampler: Brenda B		

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb)	Requested Analysis: Lead (6010B)	Sample Matrix: Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2-6=NaOH; 7=NA2S2O3	Remarks
1	1	D1543-WC-A1A2	D1543-WC	7/26/2024	1330	x	x	x		1	5	1		
2	2	D1543-WC-A1A2A3	D1543-WC	7/26/2024	1334	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

	Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
1	Brenda B	7/26/24	1345	E L	7/26/24	1345
2	E L	7/26/24	1411		7/26/24	14:11
3						

Table of Contents

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
D1543-WC-A1A2	2401268-01
D1543-WC-A1A2A3	2401268-02

Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401268

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1543 - 4647 E 59th Pl, Maywood, CA 90270**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	08/02/2024 20:00	Received in Lab:	07/26/2024 14:11
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401268-01 D1543-WC-A1A2 [Soil] Sampled 07/26/2024 13:30			
6010_Exide_6 Metals Ver: NONE	08/02/2024 20:00	01/22/2025 00:00	1
2401268-02 D1543-WC-A1A2A3 [Soil] Sampled 07/26/2024 13:34			
6010_Exide_6 Metals Ver: NONE	08/02/2024 20:00	01/22/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401268

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1543 - 4647 E 59th Pl, Maywood, CA 90270**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil | Laboratory ID: 2401268-01 | Laboratory ID: D1543-WC-A1A2

Sampled: 07/26/24 13:30 | Prepared: 07/29/24 14:30 | Analyzed: 08/01/24 00:27

Batch: B4G0995 | Sequence: S4H0312 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	ND	0.77	2.0	1	U
7440-38-2	Arsenic	2.4	0.71	2.0	1	
7440-43-9	Cadmium	0.89	0.06	1.0	1	J
7440-50-8	Copper	22	0.22	1.0	1	
7439-92-1	Lead	74	0.18	1.0	1	
7440-66-6	Zinc	110	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401268-02 Laboratory ID: D1543-WC-A1A2A3

Sampled: 07/26/24 13:34 Prepared: 07/29/24 14:30 Analyzed: 08/01/24 00:29

Batch: B4G0995 Sequence: S4H0312 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	1.7	0.77	2.0	1	J
7440-38-2	Arsenic	1.9	0.71	2.0	1	J
7440-43-9	Cadmium	0.67	0.06	1.0	1	J
7440-50-8	Copper	22	0.22	1.0	1	
7439-92-1	Lead	65	0.18	1.0	1	
7440-66-6	Zinc	92	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator	Work Order:	2401268
Client:	Parsons	Project:	D1543 - 4647 E 59th Pl, Maywood, CA 90270
Batch:	B4G0995 Batch Matrix: Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
D1543-WC-A1A2	2401268-01	07/29/24 14:30	1.00	50
D1543-WC-A1A2A3	2401268-02	07/29/24 14:30	1.00	50
Blank	B4G0995-BLK1	07/29/24 15:37	1.00	50
LCS	B4G0995-BS1	07/29/24 15:37	1.00	50
Matrix Spike	B4G0995-MS1	07/29/24 15:37	1.00	50
Matrix Spike Dup	B4G0995-MSD1	07/29/24 15:37	1.00	50
Dilution Check	B4G0995-SRL1	07/29/24 15:37	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0995

Extraction Method: EPA 3050B_S

Analysis Method: EPA 6010B

Batch Start Date: 07/30/2024 12:15 **Batch Analyst:** DL2

Batch End Date: 07/30/2024 14:15

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401268-01	D1543-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401268-02	D1543-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0995-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0995-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0995-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401267-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0995-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401267-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0995-SRL1	Dilution Check	1.00	50.00			2401267-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0571	1:1 Nitric Acid	NA
A4G0398	Concentrated Nitric Acid	240238
A4G0395	Hydrogen Peroxide	K54376509
A4D0549	Concentrated Hydrochloric Acid	4123090

Equipment Used

Type	Equipment ID	LotNum
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718
Dispenser ID	MPDISP02	347844
Dispenser ID	MPDISP01	04K58398
Thermometer ID	MPTHERM 09	935128
Dispenser ID	MPDISP03	18D19828
Pipette	MPP01	22E77439
Digestion Unit	DB01	4507CEC2139

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0995

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0995-BLK1	Antimony	-1.44181	0.77	2.0	08/2/24 14:48	U	EPA 6010B
	Arsenic	-0.236099	0.71	2.0	08/2/24 14:48	U	EPA 6010B
	Cadmium	-1.27717	0.06	1.0	08/2/24 14:48	U	EPA 6010B
	Copper	-0.805236	0.22	1.0	08/2/24 14:48	U	EPA 6010B
	Lead	-0.434821	0.18	1.0	08/2/24 14:48	U	EPA 6010B
	Zinc	-1.12324	0.30	2.0	08/2/24 14:48	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0995

Concentration Units: mg/kg

Laboratory ID: B4G0995-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	23.9269	25.0000	95.7		80 - 120
Arsenic	25.3056	25.0000	101		80 - 120
Cadmium	23.0076	25.0000	92.0		80 - 120
Copper	23.3024	25.0000	93.2		80 - 120
Lead	23.4384	25.0000	93.8		80 - 120
Zinc	24.7254	25.0000	98.9		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0995
Concentration Units: mg/kg
Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	0.996070	20.3066	25.0000	77.2		75 - 125
Arsenic	1.18180	25.4820	25.0000	97.2		75 - 125
Cadmium	0.444469	24.0570	25.0000	94.5		75 - 125
Copper	12.4302	38.0482	25.0000	102		75 - 125
Lead	6.66963	34.4912	25.0000	111		75 - 125
Zinc	43.3433	75.0390	25.0000	127	M2	75 - 125

Laboratory ID: B4G0995-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Antimony	20.0126	76.1	1.46	25.0000		20	75 - 125
Arsenic	25.7403	98.2	1.01	25.0000		20	75 - 125
Cadmium	24.3366	95.6	1.16	25.0000		20	75 - 125
Copper	38.5400	104	1.28	25.0000		20	75 - 125
Lead	33.6382	108	2.50	25.0000		20	75 - 125
Zinc	74.8428	126	0.262	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0995

Concentration Units: mg/L

Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0995-PS1						
Antimony	0.019921	0.404133	0.500000	76.8		75 - 125
Arsenic	0.023636	0.485011	0.500000	92.3		75 - 125
Cadmium	0.008889	0.483984	0.500000	95.0		75 - 125
Copper	0.248605	0.773538	0.500000	105		75 - 125
Lead	0.133393	0.708430	0.500000	115		75 - 125
Zinc	0.866866	1.54600	0.500000	136	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0312 Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0312-IBL1	240731-01 RR-001	07/31/24 14:20
Cal Standard	S4H0312-CAL1	240731-01 RR-002	07/31/24 14:23
Cal Standard	S4H0312-CAL2	240731-01 RR-003	07/31/24 14:25
Cal Standard	S4H0312-CAL3	240731-01 RR-004	07/31/24 14:27
Cal Standard	S4H0312-CAL4	240731-01 RR-005	07/31/24 14:29
Cal Standard	S4H0312-CAL5	240731-01 RR-006	07/31/24 14:31
Cal Standard	S4H0312-CAL6	240731-01 RR-007	07/31/24 14:33
Cal Standard	S4H0312-CAL7	240731-01 RR-008	07/31/24 14:35
Initial Cal Check	S4H0312-ICV1	240731-01 RR-009	07/31/24 14:46
Initial Cal Blank	S4H0312-ICB1	240731-01 RR-010	07/31/24 14:47
Interference Check A	S4H0312-IFA1	240731-01 RR-012	07/31/24 14:57
Interference Check B	S4H0312-IFB1	240731-01 RR-013	07/31/24 14:59
Calibration Check	S4H0312-CCV5	240731-01 RR-201	07/31/24 23:42
Calibration Blank	S4H0312-CCB5	240731-01 RR-202	07/31/24 23:44
Calibration Check	S4H0312-CCV6	240731-01 RR-213	08/01/24 00:07
Calibration Blank	S4H0312-CCB6	240731-01 RR-214	08/01/24 00:09
D1543-WC-A1A2	2401268-01	240731-01 RR-211	08/01/24 00:27
D1543-WC-A1A2A3	2401268-02	240731-01 RR-212	08/01/24 00:29
Calibration Check	S4H0312-CCV7	240731-01 RR-225	08/01/24 00:31
Calibration Blank	S4H0312-CCB7	240731-01 RR-226	08/01/24 00:33

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0343

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0343-IBL1	240802-01 RR1-001	08/02/24 12:23
Cal Standard	S4H0343-CAL1	240802-01 RR1-002	08/02/24 12:26
Cal Standard	S4H0343-CAL2	240802-01 RR1-003	08/02/24 12:28
Cal Standard	S4H0343-CAL3	240802-01 RR1-004	08/02/24 12:31
Cal Standard	S4H0343-CAL4	240802-01 RR1-005	08/02/24 12:33
Cal Standard	S4H0343-CAL5	240802-01 RR1-006	08/02/24 12:35
Cal Standard	S4H0343-CAL6	240802-01 RR1-007	08/02/24 12:37
Cal Standard	S4H0343-CAL7	240802-01 RR1-008	08/02/24 12:39
Initial Cal Check	S4H0343-ICV1	240802-01 RR1-009	08/02/24 13:35
Initial Cal Blank	S4H0343-ICB1	240802-01 RR1-010	08/02/24 13:37
Interference Check A	S4H0343-IFA1	240802-01 RR1-012	08/02/24 13:53
Interference Check B	S4H0343-IFB1	240802-01 RR1-013	08/02/24 13:55
Calibration Check	S4H0343-CCV1	240802-01 RR1-026	08/02/24 14:27
Calibration Blank	S4H0343-CCB1	240802-01 RR1-027	08/02/24 14:29
Blank	B4G0995-BLK1	240802-01 RR1-036	08/02/24 14:48
LCS	B4G0995-BS1	240802-01 RR1-037	08/02/24 14:50
Calibration Check	S4H0343-CCV2	240802-01 RR1-038	08/02/24 14:53
Calibration Blank	S4H0343-CCB2	240802-01 RR1-039	08/02/24 14:55
Matrix Spike	B4G0995-MS1	240802-01 RR1-040	08/02/24 15:40
Matrix Spike Dup	B4G0995-MSD1	240802-01 RR1-041	08/02/24 15:42
Post Spike	B4G0995-PS1	240802-01 RR1-042	08/02/24 15:44
Dilution Check	B4G0995-SRL1	240802-01 RR1-043	08/02/24 15:46
Calibration Check	S4H0343-CCV3	240802-01 RR1-050	08/02/24 16:01
Calibration Blank	S4H0343-CCB3	240802-01 RR1-051	08/02/24 16:03

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0312-ICV1	Antimony	0.500000	0.480149	96.0	07/31/24 14:46	+/- 10.00%
	Arsenic	0.500000	0.509486	102	07/31/24 14:46	+/- 10.00%
	Cadmium	0.500000	0.493837	98.8	07/31/24 14:46	+/- 10.00%
	Copper	0.500000	0.487382	97.5	07/31/24 14:46	+/- 10.00%
	Lead	0.500000	0.515341	103	07/31/24 14:46	+/- 10.00%
	Zinc	0.500000	0.525040	105	07/31/24 14:46	+/- 10.00%
S4H0312-CCV5	Antimony	2.00000	1.80307	90.2	07/31/24 23:42	+/- 10.00%
	Arsenic	2.00000	1.91549	95.8	07/31/24 23:42	+/- 10.00%
	Cadmium	2.00000	1.84489	92.2	07/31/24 23:42	+/- 10.00%
	Copper	2.00000	1.89137	94.6	07/31/24 23:42	+/- 10.00%
	Lead	**2.00000**	**1.79805**	**89.9**	07/31/24 23:42	+/- 10.00%
	Zinc	2.00000	1.85316	92.7	07/31/24 23:42	+/- 10.00%
S4H0312-CCV6	Antimony	2.00000	1.82282	91.1	08/01/24 00:07	+/- 10.00%
	Arsenic	2.00000	1.90900	95.5	08/01/24 00:07	+/- 10.00%
	Cadmium	2.00000	1.84601	92.3	08/01/24 00:07	+/- 10.00%
	Copper	2.00000	1.88313	94.2	08/01/24 00:07	+/- 10.00%
	Lead	2.00000	1.81223	90.6	08/01/24 00:07	+/- 10.00%
	Zinc	2.00000	1.84500	92.2	08/01/24 00:07	+/- 10.00%
S4H0312-CCV7	Antimony	2.00000	1.87959	94.0	08/01/24 00:31	+/- 10.00%
	Arsenic	2.00000	2.01831	101	08/01/24 00:31	+/- 10.00%
	Cadmium	2.00000	1.96187	98.1	08/01/24 00:31	+/- 10.00%
	Copper	2.00000	1.90041	95.0	08/01/24 00:31	+/- 10.00%
	Lead	2.00000	1.92989	96.5	08/01/24 00:31	+/- 10.00%
	Zinc	2.00000	1.97692	98.8	08/01/24 00:31	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0343-ICV1	Antimony	0.500000	0.482996	96.6	08/02/24 13:35	+/- 10.00%
	Arsenic	0.500000	0.523113	105	08/02/24 13:35	+/- 10.00%
	Cadmium	0.500000	0.480057	96.0	08/02/24 13:35	+/- 10.00%
	Copper	0.500000	0.476605	95.3	08/02/24 13:35	+/- 10.00%
	Lead	0.500000	0.505805	101	08/02/24 13:35	+/- 10.00%
	Zinc	0.500000	0.518444	104	08/02/24 13:35	+/- 10.00%
S4H0343-CCV1	Antimony	2.00000	2.02078	101	08/02/24 14:27	+/- 10.00%
	Arsenic	2.00000	2.03706	102	08/02/24 14:27	+/- 10.00%
	Cadmium	2.00000	2.06472	103	08/02/24 14:27	+/- 10.00%
	Copper	2.00000	2.00719	100	08/02/24 14:27	+/- 10.00%
	Lead	2.00000	1.95867	97.9	08/02/24 14:27	+/- 10.00%
	Zinc	2.00000	2.07974	104	08/02/24 14:27	+/- 10.00%
S4H0343-CCV2	Antimony	2.00000	2.02113	101	08/02/24 14:53	+/- 10.00%
	Arsenic	2.00000	1.99618	99.8	08/02/24 14:53	+/- 10.00%
	Cadmium	2.00000	2.07498	104	08/02/24 14:53	+/- 10.00%
	Copper	2.00000	2.00637	100	08/02/24 14:53	+/- 10.00%
	Lead	2.00000	1.90989	95.5	08/02/24 14:53	+/- 10.00%
	Zinc	2.00000	2.10711	105	08/02/24 14:53	+/- 10.00%
S4H0343-CCV3	Antimony	2.00000	2.01966	101	08/02/24 16:01	+/- 10.00%
	Arsenic	2.00000	1.99356	99.7	08/02/24 16:01	+/- 10.00%
	Cadmium	2.00000	2.03735	102	08/02/24 16:01	+/- 10.00%
	Copper	2.00000	2.01473	101	08/02/24 16:01	+/- 10.00%
	Lead	2.00000	1.92528	96.3	08/02/24 16:01	+/- 10.00%
	Zinc	2.00000	2.06938	103	08/02/24 16:01	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0312

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0312-ICB1	Antimony	0.008240	0.02	0.04	07/31/24 14:47		EPA 6010B
	Arsenic	0.002649	0.01	0.04	07/31/24 14:47		EPA 6010B
	Cadmium	-0.003655	0.001	0.02	07/31/24 14:47	U	EPA 6010B
	Copper	0.000643	0.004	0.02	07/31/24 14:47		EPA 6010B
	Lead	-0.000332	0.004	0.02	07/31/24 14:47	U	EPA 6010B
	Zinc	-0.006333	0.006	0.04	07/31/24 14:47	U	EPA 6010B
S4H0312-CCB5	Antimony	0.013194	0.02	0.04	07/31/24 23:44		EPA 6010B
	Arsenic	0.004983	0.01	0.04	07/31/24 23:44		EPA 6010B
	Cadmium	-0.003484	0.001	0.02	07/31/24 23:44	U	EPA 6010B
	Copper	-0.000410	0.004	0.02	07/31/24 23:44	U	EPA 6010B
	Lead	-0.001853	0.004	0.02	07/31/24 23:44	U	EPA 6010B
	Zinc	-0.005216	0.006	0.04	07/31/24 23:44	U	EPA 6010B
S4H0312-CCB6	Antimony	3.1891E-3	0.02	0.04	08/1/24 0:09		EPA 6010B
	Arsenic	0.007762	0.01	0.04	08/1/24 0:09		EPA 6010B
	Cadmium	-0.003745	0.001	0.02	08/1/24 0:09	U	EPA 6010B
	Copper	0.000114	0.004	0.02	08/1/24 0:09		EPA 6010B
	Lead	-0.007289	0.004	0.02	08/1/24 0:09	U	EPA 6010B
	Zinc	-0.004987	0.006	0.04	08/1/24 0:09	U	EPA 6010B
S4H0312-CCB7	Antimony	0.002722	0.02	0.04	08/1/24 0:33		EPA 6010B
	Arsenic	0.011246	0.01	0.04	08/1/24 0:33	B13	EPA 6010B
	Cadmium	-0.004382	0.001	0.02	08/1/24 0:33	U	EPA 6010B
	Copper	0.000182	0.004	0.02	08/1/24 0:33		EPA 6010B
	Lead	-0.007025	0.004	0.02	08/1/24 0:33	U	EPA 6010B
	Zinc	-0.004525	0.006	0.04	08/1/24 0:33	U	EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0343

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0343-ICB1	Antimony	-0.008223	0.02	0.04	08/2/24 13:37	U	EPA 6010B
	Arsenic	-0.001369	0.01	0.04	08/2/24 13:37	U	EPA 6010B
	Cadmium	-0.023988	0.001	0.02	08/2/24 13:37	U	EPA 6010B
	Copper	-0.018075	0.004	0.02	08/2/24 13:37	U	EPA 6010B
	Lead	-0.007196	0.004	0.02	08/2/24 13:37	U	EPA 6010B
	Zinc	-0.025860	0.006	0.04	08/2/24 13:37	U	EPA 6010B
S4H0343-CCB1	Antimony	-0.004748	0.02	0.04	08/2/24 14:29	U	EPA 6010B
	Arsenic	-0.004522	0.01	0.04	08/2/24 14:29	U	EPA 6010B
	Cadmium	-0.024664	0.001	0.02	08/2/24 14:29	U	EPA 6010B
	Copper	-0.016988	0.004	0.02	08/2/24 14:29	U	EPA 6010B
	Lead	-0.008880	0.004	0.02	08/2/24 14:29	U	EPA 6010B
	Zinc	-0.024233	0.006	0.04	08/2/24 14:29	U	EPA 6010B
S4H0343-CCB2	Antimony	-0.013176	0.02	0.04	08/2/24 14:55	U	EPA 6010B
	Arsenic	-0.000085	0.01	0.04	08/2/24 14:55	U	EPA 6010B
	Cadmium	-0.025472	0.001	0.02	08/2/24 14:55	U	EPA 6010B
	Copper	-0.018592	0.004	0.02	08/2/24 14:55	U	EPA 6010B
	Lead	-0.011442	0.004	0.02	08/2/24 14:55	U	EPA 6010B
	Zinc	-0.025750	0.006	0.04	08/2/24 14:55	U	EPA 6010B
S4H0343-CCB3	Antimony	-0.009871	0.02	0.04	08/2/24 16:03	U	EPA 6010B
	Arsenic	0.006030	0.01	0.04	08/2/24 16:03		EPA 6010B
	Cadmium	-0.025615	0.001	0.02	08/2/24 16:03	U	EPA 6010B
	Copper	-0.019766	0.004	0.02	08/2/24 16:03	U	EPA 6010B
	Lead	-0.009624	0.004	0.02	08/2/24 16:03	U	EPA 6010B
	Zinc	-0.025083	0.006	0.04	08/2/24 16:03	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0312-IFA1	Antimony		0.01963	mg/L		<0.04	7/31/24 14:57
	Arsenic		0.00776	mg/L		<0.04	7/31/24 14:57
	Cadmium		-0.00052	mg/L		<0.02	7/31/24 14:57
	Copper		-0.00801	mg/L		<0.02	7/31/24 14:57
	Lead		-0.04921	mg/L		<0.02	7/31/24 14:57
	Zinc		0.00005	mg/L		<0.04	7/31/24 14:57

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0312-IFB1	Antimony	0.500000	0.47857	mg/L	4	±20.00 %	7/31/24 14:59
	Arsenic	0.500000	0.47914	mg/L	4	±20.00 %	7/31/24 14:59
	Cadmium	0.500000	0.47608	mg/L	5	±20.00 %	7/31/24 14:59
	Copper	0.500000	0.48481	mg/L	3	±20.00 %	7/31/24 14:59
	Lead	0.500000	0.45549	mg/L	9	±20.00 %	7/31/24 14:59
	Zinc	0.500000	0.47359	mg/L	5	±20.00 %	7/31/24 14:59

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0343-IFA1	Antimony		0.01284	mg/L		<0.04	8/2/24 13:53
	Arsenic		-0.00837	mg/L		<0.04	8/2/24 13:53
	Cadmium		-0.01867	mg/L		<0.02	8/2/24 13:53
	Copper		-0.02418	mg/L		<0.02	8/2/24 13:53
	Lead		-0.05448	mg/L		<0.02	8/2/24 13:53
	Zinc		-0.01410	mg/L		<0.04	8/2/24 13:53

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0343-IFB1	Antimony	0.500000	0.50759	mg/L	-2	±20.00 %	8/2/24 13:55
	Arsenic	0.500000	0.48317	mg/L	3	±20.00 %	8/2/24 13:55
	Cadmium	0.500000	0.48534	mg/L	3	±20.00 %	8/2/24 13:55
	Copper	0.500000	0.52545	mg/L	-5	±20.00 %	8/2/24 13:55
	Lead	0.500000	0.42020	mg/L	16	±20.00 %	8/2/24 13:55
	Zinc	0.500000	0.48524	mg/L	3	±20.00 %	8/2/24 13:55

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ SSO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other: _____	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:	
	City: Pasadena	State: CA	Zip: 91124	Fax:	

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential	Quote #:		
Site Address: 4647 E 59th Pl, Maywood CA 90270	Site ID: D1S43		
Project No.: 684735	PO #:		
Sampler: Brenda B			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb)	Requested Analysis: Lead (6010B)	Sample Matrix: Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2-6=NaOH; 7=NA2S2O3	Remarks
1	1	D1543-WC-A1A2	D1543-WC	7/26/2024	1330	x	x	x		1	5	1		
2	2	D1543-WC-A1A2A3	D1543-WC	7/26/2024	1334	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Nates, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

	Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
1	Brenda B	7/26/24	1345	E L	7/26/24	1345
2	E L	7/26/24	1411		7/26/24	14:11
3						

Table of Contents

Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0496
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/26/2024
Date Expires: 08/09/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0496 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0504
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: Juan Flores
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0504 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0505
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0505 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0521
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0521 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0522	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0522
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0522 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0523	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0523
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0523 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0524
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0524 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0525
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0525 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0526
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0526 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0527
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0527 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0507	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0528
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0528 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0504	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

Report Prepared For:

Parsons

Client Project Description:
D1543 - 4647 E 59th Pl, Maywood, CA 90270

ATL Work Order: 2401268

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:
- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401268

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August 16, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401268

Client Reference : D1543 - 4647 E 59th Pl, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 26, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 09:58 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

Certificate of Analysis

Parsons		Project Number :	D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D1543-WC-A1A2	2401268-01	Soil	7/26/24 13:30	7/26/24 14:11
D1543-WC-A1A2A3	2401268-02	Soil	7/26/24 13:34	7/26/24 14:11

Certificate of Analysis

Parsons		Project Number :	D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St		Report To :	Tom Blaney
Pasadena , CA 91124		Reported :	08/16/2024

CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

General Notes

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

Holding Times and Preservations

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

SAMPLE RECEIPT

The samples associated with this report were received by the laboratory on July 26th, 2024 at 14:11. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

METALS

EPA 6010B:

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Notes and Definitions

U	Analyte included in the analysis, but not detected
R	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
Q2	Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
B8	IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary.
B18	Associated method blank above MDL, but below half of the PQL value. Therefore, reanalysis is not necessary.
B16	Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
B14	Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary.
B13	Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

STLC Metals by ICP-AES by EPA 6010B

Analyte: Lead **Analyst: KK2**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2401268-01	D1543-WC-A1A2	**2.5**	mg/L	0.10	0.020	5	B4H0647	08/14/2024	08/14/24 22:29	
2401268-02	D1543-WC-A1A2A3	**2.8**	mg/L	0.10	0.020	5	B4H0647	08/14/2024	08/14/24 22:31	

Client Sample ID: D1543-WC-A1A2
Lab ID: 2401268-01

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	0.77	1	B4G0995	07/29/2024	08/01/24 00:27	U
Arsenic	**2.4**	2.0	0.71	1	B4G0995	07/29/2024	08/01/24 00:27	
Cadmium	**0.89**	1.0	0.06	1	B4G0995	07/29/2024	08/01/24 00:27	J
Copper	**22**	1.0	0.22	1	B4G0995	07/29/2024	08/01/24 00:27	
Lead	**74**	1.0	0.18	1	B4G0995	07/29/2024	08/01/24 00:27	
Zinc	**110**	2.0	0.30	1	B4G0995	07/29/2024	08/01/24 00:27	

Client Sample ID: D1543-WC-A1A2A3
Lab ID: 2401268-02

Total Metals by ICP-AES EPA 6010B **Analyst: NP**

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	**1.7**	2.0	0.77	1	B4G0995	07/29/2024	08/01/24 00:29	J
Arsenic	**1.9**	2.0	0.71	1	B4G0995	07/29/2024	08/01/24 00:29	J
Cadmium	**0.67**	1.0	0.06	1	B4G0995	07/29/2024	08/01/24 00:29	J
Copper	**22**	1.0	0.22	1	B4G0995	07/29/2024	08/01/24 00:29	
Lead	**65**	1.0	0.18	1	B4G0995	07/29/2024	08/01/24 00:29	
Zinc	**92**	2.0	0.30	1	B4G0995	07/29/2024	08/01/24 00:29	

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0995 - EPA 3050B_S										
Blank (B4G0995-BLK1)						Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	ND	2.0	0.77							U
Arsenic	ND	2.0	0.71							U
Cadmium	ND	1.0	0.06							U
Copper	ND	1.0	0.22							U
Lead	ND	1.0	0.18							U
Zinc	ND	2.0	0.30							U
LCS (B4G0995-BS1)						Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	23.9269	2.0	0.77	25.0000		95.7	80 - 120			
Arsenic	25.3056	2.0	0.71	25.0000		101	80 - 120			
Cadmium	23.0076	1.0	0.06	25.0000		92.0	80 - 120			
Copper	23.3024	1.0	0.22	25.0000		93.2	80 - 120			
Lead	23.4384	1.0	0.18	25.0000		93.8	80 - 120			
Zinc	24.7254	2.0	0.30	25.0000		98.9	80 - 120			
Matrix Spike (B4G0995-MS1)			**Source: 2401267-01**			Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	20.3066	2.0	0.77	25.0000	0.996070	77.2	75 - 125			
Arsenic	25.4820	2.0	0.71	25.0000	1.18180	97.2	75 - 125			
Cadmium	24.0570	1.0	0.06	25.0000	0.444469	94.5	75 - 125			
Copper	38.0482	1.0	0.22	25.0000	12.4302	102	75 - 125			
Lead	34.4912	1.0	0.18	25.0000	6.66963	111	75 - 125			
Zinc	75.0390	2.0	0.30	25.0000	43.3433	127	75 - 125			M2
Matrix Spike Dup (B4G0995-MSD1)			**Source: 2401267-01**			Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	20.0126	2.0	0.77	25.0000	0.996070	76.1	75 - 125	1.46	20	
Arsenic	25.7403	2.0	0.71	25.0000	1.18180	98.2	75 - 125	1.01	20	
Cadmium	24.3366	1.0	0.06	25.0000	0.444469	95.6	75 - 125	1.16	20	
Copper	38.5400	1.0	0.22	25.0000	12.4302	104	75 - 125	1.28	20	
Lead	33.6382	1.0	0.18	25.0000	6.66963	108	75 - 125	2.50	20	
Zinc	74.8428	2.0	0.30	25.0000	43.3433	126	75 - 125	0.262	20	M2

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0995 - EPA 3050B_S									
Post Spike (B4G0995-PS1)			**Source: 2401267-01**		Prepared: 7/29/2024 Analyzed: 8/2/2024				
Antimony	0.404133		0.500000	0.019921	76.8	75 - 125			
Arsenic	0.485011		0.500000	0.023636	92.3	75 - 125			
Cadmium	0.483984		0.500000	0.008889	95.0	75 - 125			
Copper	0.773538		0.500000	0.248605	105	75 - 125			
Lead	0.708430		0.500000	0.133393	115	75 - 125			
Zinc	1.54600		0.500000	0.866866	136	75 - 125			M2

Certificate of Analysis

Parsons	Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270
100 W Walnut St	Report To : Tom Blaney
Pasadena , CA 91124	Reported : 08/16/2024

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4H0647 - STLC_S Extraction										
Blank (B4H0647-BLK1)						Prepared: 8/14/2024 Analyzed: 8/14/2024				
Lead	0.032117	0.10	0.020							B18, J
LCS (B4H0647-BS1)						Prepared: 8/14/2024 Analyzed: 8/14/2024				
Lead	0.540990	0.10	0.020	0.500000		108	80 - 120			
Matrix Spike (B4H0647-MS1)			**Source: 2401128-01**			Prepared: 8/14/2024 Analyzed: 8/14/2024				
Lead	1.14308	0.10	0.020	0.500000	0.681015	92.4	75 - 125			
Matrix Spike Dup (B4H0647-MSD1)			**Source: 2401128-01**			Prepared: 8/14/2024 Analyzed: 8/14/2024				
Lead	1.13344	0.10	0.020	0.500000	0.681015	90.5	75 - 125	0.847	20	
Post Spike (B4H0647-PS1)			**Source: 2401128-01**			Prepared: 8/14/2024 Analyzed: 8/14/2024				
Lead	1.12959			0.500000	0.681015	89.7	75 - 125			

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ ESO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other: _____	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:	
	City: Pasadena	State: CA	Zip: 91124	Fax:	

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn: Email:
Company: Parsons	Company:
Address: 100 W. Walnut Street	Address:
City: Pasadena State: CA Zip: 91124	City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential		Quote #:	
Site Address: 4647 E 59th Pl, Maywood CA 90270		Site ID: D1S43	
Project No.: 684735		PO #:	
Sampler: Brenda B			

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb)	Requested Analysis: Lead (6010B)	Sample Matrix: Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2-6=NaOH; 7=NA2S2O3	Remarks
1	1	D1543-WC-A1A2	D1543-WC	7/26/2024	1330	x	x	x		1	5	1		
2	2	D1543-WC-A1A2A3	D1543-WC	7/26/2024	1334	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

	Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
1	Brenda B	7/26/24	1345	E L	7/26/24	1345
2	E L	7/26/24	1411		7/26/24	14:11
3						

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Friday, August 9, 2024 10:45 AM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Happy Friday!

Please run the following on a standard turnaround time:

1. RP2374B-WC-A1A2 (LAB REPORT 2401250): STLC for lead
2. RP2374B-WC-A1A2A3 (LAB REPORT 2401250): STLC for lead
3. C0058-WC-A1A2 (LAB REPORT 2401248): STLC and TCLP for lead
4. B0953-WC-A1A2 (LAB REPORT 2401262): STLC and TCLP for lead
5. B0953-WC-A1A2A3 (LAB REPORT 2401262): STLC and TCLP for lead
6. D1543-WC-A1A2 (LAB REPORT 2401268): STLC for lead
7. D1543-WC-A1A2A3 (LAB REPORT 2401268): STLC for lead
8. RP3111-WC-A1A2 (LAB REPORT 2401266): STLC and TCLP for lead
9. RP3111-WC-A1A2A3 (LAB REPORT 2401266): STLC and TCLP for lead
10. RP0671-WC-A1A2 (LAB REPORT 2401264): STLC and TCLP for lead
11. RP0671-WC-A1A2A3 (LAB REPORT 2401264): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Sample Receiving Documents

Sample Receipt Confirmation

Work Order # 2401268

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1543 - 4647 E 59th Pl, Maywood, CA 90270**

Report To:	**Invoice To:**
Parsons	Parsons
Tom Blaney	Sarah King
100 W Walnut St	100 W Walnut St
Pasadena, CA 91124	Pasadena, CA 91124
Phone: (626) 440-2000	Phone :(626) 440-2000
Fax: (626) 440-2630	Fax: (626) 440-2630

Earliest Report Date:	08/16/2024 20:00	Received in Lab:	07/26/2024 14:11
Received By:	Thoai Trinh	Method of Delivery:	ATL Courier
Logged In By:	Ethan Tran		

The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.

Work Order Summary

Analysis	Earliest Report Date	Hold Time Expiration	Sample Comments
2401268-01 D1543-WC-A1A2 [Soil] Sampled 07/26/2024 13:30			
6010_STLC Ver: Pb	08/16/2024 20:00	01/22/2025 00:00	
6010_Exide_6 Metals Ver: NONE	08/16/2024 20:00	01/22/2025 00:00	1
2401268-02 D1543-WC-A1A2A3 [Soil] Sampled 07/26/2024 13:34			
6010_STLC Ver: Pb	08/16/2024 20:00	01/22/2025 00:00	
6010_Exide_6 Metals Ver: NONE	08/16/2024 20:00	01/22/2025 00:00	1

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

Sample Receipt Confirmation

Work Order # 2401268

Client:	**Parsons**	**Project Manager:**	**Lena Davidkov**
		Project Number:	**D1543 - 4647 E 59th Pl, Maywood, CA 90270**

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

Default Cooler **Temp: 17. °C**

Cooler temperature within acceptance limit?	Yes	☐	No	☑
Evidence of chilling present, e.g. ice?	Yes	☐	No	☑
Shipping container received in good condition?	Yes	☑	No	☐
Custody seals present on shipping container?	Yes	☐	No	☑
Custody seals intact on shipping container?	Not Applicable			
Custody seals present on sample bottles?	Yes	☐	No	☑
Custody seals intact on sample bottles?	Not Applicable			
Chain of Custody (COC) present?	Yes	☑	No	☐
Sampler name present in COC?	Yes	☑	No	☐
COC signed when relinquished and received?	Yes	☑	No	☐
COC agrees with sample labels?	Yes	☑	No	☐
Samples in proper container/bottle?	Yes	☑	No	☐
Sample containers intact?	Yes	☑	No	☐
Sufficient sample amount for indicated tests?	Yes	☑	No	☐
All samples received within holding time?	Yes	☑	No	☐
Water for VOC -- Were VOA vials submitted?	Yes	☐	No	☑
Water samples submitted?	Yes	☐	No	☑
VOA vials for VOC meet headspace criteria (<6mm)?	Not Applicable			
Water samples meet preservation criteria?	Not Applicable			

SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

Client Sample Id:	Lab Sample Id:
D1543-WC-A1A2	2401268-01
D1543-WC-A1A2A3	2401268-02

Sample Data

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil | Laboratory ID: 2401268-01 | Laboratory ID: D1543-WC-A1A2

Sampled: 07/26/24 13:30 | Prepared: 07/29/24 14:30 | Analyzed: 08/01/24 00:27

Batch: B4G0995 | Sequence: S4H0312 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	ND	0.77	2.0	1	U
7440-38-2	Arsenic	2.4	0.71	2.0	1	
7440-43-9	Cadmium	0.89	0.06	1.0	1	J
7440-50-8	Copper	22	0.22	1.0	1	
7439-92-1	Lead	74	0.18	1.0	1	
7440-66-6	Zinc	110	0.30	2.0	1	

ANALYSIS DATA SHEET
EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401268-02 Laboratory ID: D1543-WC-A1A2A3

Sampled: 07/26/24 13:34 Prepared: 07/29/24 14:30 Analyzed: 08/01/24 00:29

Batch: B4G0995 Sequence: S4H0312 Instrument: ICP-16

Preparation: EPA 3050B_S Method: EPA 6010B Concentration Units: mg/kg

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7440-36-0	Antimony	1.7	0.77	2.0	1	J
7440-38-2	Arsenic	1.9	0.71	2.0	1	J
7440-43-9	Cadmium	0.67	0.06	1.0	1	J
7440-50-8	Copper	22	0.22	1.0	1	
7439-92-1	Lead	65	0.18	1.0	1	
7440-66-6	Zinc	92	0.30	2.0	1	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator			Work Order:	2401268
Client:	Parsons			Project:	D1543 - 4647 E 59th Pl, Maywood, CA 90270
Batch:	B4G0995	Batch Matrix:	Soil	Preparation:	EPA 3050B_S

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
D1543-WC-A1A2	2401268-01	07/29/24 14:30	1.00	50
D1543-WC-A1A2A3	2401268-02	07/29/24 14:30	1.00	50
Blank	B4G0995-BLK1	07/29/24 15:37	1.00	50
LCS	B4G0995-BS1	07/29/24 15:37	1.00	50
Matrix Spike	B4G0995-MS1	07/29/24 15:37	1.00	50
Matrix Spike Dup	B4G0995-MSD1	07/29/24 15:37	1.00	50
Dilution Check	B4G0995-SRL1	07/29/24 15:37	1.00	50

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4G0995

Extraction Method: EPA 3050B_S

Batch Start Date: 07/30/2024 12:15 **Batch Analyst:** DL2

Analysis Method: EPA 6010B

Batch End Date: 07/30/2024 14:15

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401268-01	D1543-WC-A1A2	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
2401268-02	D1543-WC-A1A2A3	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0995-BLK1	Blank	1.00	50.00				5 mL	1.5 mL	5 mL	5 mL	
B4G0995-BS1	LCS	1.00	50.00	A4E0708 A4E0709	500 500		5 mL	1.5 mL	5 mL	5 mL	
B4G0995-MS1	Matrix Spike	1.00	50.00	A4E0708 A4E0709	500 500	2401267-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0995-MSD1	Matrix Spike Dup	1.00	50.00	A4E0708 A4E0709	500 500	2401267-01	5 mL	1.5 mL	5 mL	5 mL	
B4G0995-SRL1	Dilution Check	1.00	50.00			2401267-01	5 mL	1.5 mL	5 mL	5 mL	

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum
A4F0571	1:1 Nitric Acid	NA
A4G0398	Concentrated Nitric Acid	240238
A4D0549	Concentrated Hydrochloric Acid	4123090
A4G0395	Hydrogen Peroxide	K54376509

Equipment Used

Type	Equipment ID	LotNum
Dispenser ID	MPDISP02	347844
Dispenser ID	MPDISP05	18874857
Balance	IIBAL01	1127342718
Pipette	MPP01	22E77439
Dispenser ID	MPDISP01	04K58398
Thermometer ID	MPTHERM 09	935128
Dispenser ID	MPDISP03	18D19828
Digestion Unit	DB01	4507CEC2139

METHOD BLANK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0995

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4G0995-BLK1	Antimony	-1.44181	0.77	2.0	08/2/24 14:48	U	EPA 6010B
	Arsenic	-0.236099	0.71	2.0	08/2/24 14:48	U	EPA 6010B
	Cadmium	-1.27717	0.06	1.0	08/2/24 14:48	U	EPA 6010B
	Copper	-0.805236	0.22	1.0	08/2/24 14:48	U	EPA 6010B
	Lead	-0.434821	0.18	1.0	08/2/24 14:48	U	EPA 6010B
	Zinc	-1.12324	0.30	2.0	08/2/24 14:48	U	EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0995
Concentration Units: mg/kg

Laboratory ID: B4G0995-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	23.9269	25.0000	95.7		80 - 120
Arsenic	25.3056	25.0000	101		80 - 120
Cadmium	23.0076	25.0000	92.0		80 - 120
Copper	23.3024	25.0000	93.2		80 - 120
Lead	23.4384	25.0000	93.8		80 - 120
Zinc	24.7254	25.0000	98.9		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0995
Concentration Units: mg/kg
Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Antimony	0.996070	20.3066	25.0000	77.2		75 - 125
Arsenic	1.18180	25.4820	25.0000	97.2		75 - 125
Cadmium	0.444469	24.0570	25.0000	94.5		75 - 125
Copper	12.4302	38.0482	25.0000	102		75 - 125
Lead	6.66963	34.4912	25.0000	111		75 - 125
Zinc	43.3433	75.0390	25.0000	127	M2	75 - 125

Laboratory ID: B4G0995-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS % RPD	CONTROL LIMITS % R
Antimony	20.0126	76.1	1.46	25.0000		20	75 - 125
Arsenic	25.7403	98.2	1.01	25.0000		20	75 - 125
Cadmium	24.3366	95.6	1.16	25.0000		20	75 - 125
Copper	38.5400	104	1.28	25.0000		20	75 - 125
Lead	33.6382	108	2.50	25.0000		20	75 - 125
Zinc	74.8428	126	0.262	25.0000	M2	20	75 - 125

POST SPIKE RECOVERY SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0995

Concentration Units: mg/L

Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4G0995-PS1						
Antimony	0.019921	0.404133	0.500000	76.8		75 - 125
Arsenic	0.023636	0.485011	0.500000	92.3		75 - 125
Cadmium	0.008889	0.483984	0.500000	95.0		75 - 125
Copper	0.248605	0.773538	0.500000	105		75 - 125
Lead	0.133393	0.708430	0.500000	115		75 - 125
Zinc	0.866866	1.54600	0.500000	136	M2	75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0312

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0312-IBL1	240731-01 RR-001	07/31/24 14:20
Cal Standard	S4H0312-CAL1	240731-01 RR-002	07/31/24 14:23
Cal Standard	S4H0312-CAL2	240731-01 RR-003	07/31/24 14:25
Cal Standard	S4H0312-CAL3	240731-01 RR-004	07/31/24 14:27
Cal Standard	S4H0312-CAL4	240731-01 RR-005	07/31/24 14:29
Cal Standard	S4H0312-CAL5	240731-01 RR-006	07/31/24 14:31
Cal Standard	S4H0312-CAL6	240731-01 RR-007	07/31/24 14:33
Cal Standard	S4H0312-CAL7	240731-01 RR-008	07/31/24 14:35
Initial Cal Check	S4H0312-ICV1	240731-01 RR-009	07/31/24 14:46
Initial Cal Blank	S4H0312-ICB1	240731-01 RR-010	07/31/24 14:47
Interference Check A	S4H0312-IFA1	240731-01 RR-012	07/31/24 14:57
Interference Check B	S4H0312-IFB1	240731-01 RR-013	07/31/24 14:59
Calibration Check	S4H0312-CCV5	240731-01 RR-201	07/31/24 23:42
Calibration Blank	S4H0312-CCB5	240731-01 RR-202	07/31/24 23:44
Calibration Check	S4H0312-CCV6	240731-01 RR-213	08/01/24 00:07
Calibration Blank	S4H0312-CCB6	240731-01 RR-214	08/01/24 00:09
D1543-WC-A1A2	2401268-01	240731-01 RR-211	08/01/24 00:27
D1543-WC-A1A2A3	2401268-02	240731-01 RR-212	08/01/24 00:29
Calibration Check	S4H0312-CCV7	240731-01 RR-225	08/01/24 00:31
Calibration Blank	S4H0312-CCB7	240731-01 RR-226	08/01/24 00:33

ANALYSIS SEQUENCE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0343

Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0343-IBL1	240802-01 RR1-001	08/02/24 12:23
Cal Standard	S4H0343-CAL1	240802-01 RR1-002	08/02/24 12:26
Cal Standard	S4H0343-CAL2	240802-01 RR1-003	08/02/24 12:28
Cal Standard	S4H0343-CAL3	240802-01 RR1-004	08/02/24 12:31
Cal Standard	S4H0343-CAL4	240802-01 RR1-005	08/02/24 12:33
Cal Standard	S4H0343-CAL5	240802-01 RR1-006	08/02/24 12:35
Cal Standard	S4H0343-CAL6	240802-01 RR1-007	08/02/24 12:37
Cal Standard	S4H0343-CAL7	240802-01 RR1-008	08/02/24 12:39
Initial Cal Check	S4H0343-ICV1	240802-01 RR1-009	08/02/24 13:35
Initial Cal Blank	S4H0343-ICB1	240802-01 RR1-010	08/02/24 13:37
Interference Check A	S4H0343-IFA1	240802-01 RR1-012	08/02/24 13:53
Interference Check B	S4H0343-IFB1	240802-01 RR1-013	08/02/24 13:55
Calibration Check	S4H0343-CCV1	240802-01 RR1-026	08/02/24 14:27
Calibration Blank	S4H0343-CCB1	240802-01 RR1-027	08/02/24 14:29
Blank	B4G0995-BLK1	240802-01 RR1-036	08/02/24 14:48
LCS	B4G0995-BS1	240802-01 RR1-037	08/02/24 14:50
Calibration Check	S4H0343-CCV2	240802-01 RR1-038	08/02/24 14:53
Calibration Blank	S4H0343-CCB2	240802-01 RR1-039	08/02/24 14:55
Matrix Spike	B4G0995-MS1	240802-01 RR1-040	08/02/24 15:40
Matrix Spike Dup	B4G0995-MSD1	240802-01 RR1-041	08/02/24 15:42
Post Spike	B4G0995-PS1	240802-01 RR1-042	08/02/24 15:44
Dilution Check	B4G0995-SRL1	240802-01 RR1-043	08/02/24 15:46
Calibration Check	S4H0343-CCV3	240802-01 RR1-050	08/02/24 16:01
Calibration Blank	S4H0343-CCB3	240802-01 RR1-051	08/02/24 16:03

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0312-ICV1	Antimony	0.500000	0.480149	96.0	07/31/24 14:46	+/- 10.00%
	Arsenic	0.500000	0.509486	102	07/31/24 14:46	+/- 10.00%
	Cadmium	0.500000	0.493837	98.8	07/31/24 14:46	+/- 10.00%
	Copper	0.500000	0.487382	97.5	07/31/24 14:46	+/- 10.00%
	Lead	0.500000	0.515341	103	07/31/24 14:46	+/- 10.00%
	Zinc	0.500000	0.525040	105	07/31/24 14:46	+/- 10.00%
S4H0312-CCV5	Antimony	2.00000	1.80307	90.2	07/31/24 23:42	+/- 10.00%
	Arsenic	2.00000	1.91549	95.8	07/31/24 23:42	+/- 10.00%
	Cadmium	2.00000	1.84489	92.2	07/31/24 23:42	+/- 10.00%
	Copper	2.00000	1.89137	94.6	07/31/24 23:42	+/- 10.00%
	Lead	**2.00000**	**1.79805**	**89.9**	07/31/24 23:42	+/- 10.00%
	Zinc	2.00000	1.85316	92.7	07/31/24 23:42	+/- 10.00%
S4H0312-CCV6	Antimony	2.00000	1.82282	91.1	08/01/24 00:07	+/- 10.00%
	Arsenic	2.00000	1.90900	95.5	08/01/24 00:07	+/- 10.00%
	Cadmium	2.00000	1.84601	92.3	08/01/24 00:07	+/- 10.00%
	Copper	2.00000	1.88313	94.2	08/01/24 00:07	+/- 10.00%
	Lead	2.00000	1.81223	90.6	08/01/24 00:07	+/- 10.00%
	Zinc	2.00000	1.84500	92.2	08/01/24 00:07	+/- 10.00%
S4H0312-CCV7	Antimony	2.00000	1.87959	94.0	08/01/24 00:31	+/- 10.00%
	Arsenic	2.00000	2.01831	101	08/01/24 00:31	+/- 10.00%
	Cadmium	2.00000	1.96187	98.1	08/01/24 00:31	+/- 10.00%
	Copper	2.00000	1.90041	95.0	08/01/24 00:31	+/- 10.00%
	Lead	2.00000	1.92989	96.5	08/01/24 00:31	+/- 10.00%
	Zinc	2.00000	1.97692	98.8	08/01/24 00:31	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0343-ICV1	Antimony	0.500000	0.482996	96.6	08/02/24 13:35	+/- 10.00%
	Arsenic	0.500000	0.523113	105	08/02/24 13:35	+/- 10.00%
	Cadmium	0.500000	0.480057	96.0	08/02/24 13:35	+/- 10.00%
	Copper	0.500000	0.476605	95.3	08/02/24 13:35	+/- 10.00%
	Lead	0.500000	0.505805	101	08/02/24 13:35	+/- 10.00%
	Zinc	0.500000	0.518444	104	08/02/24 13:35	+/- 10.00%
S4H0343-CCV1	Antimony	2.00000	2.02078	101	08/02/24 14:27	+/- 10.00%
	Arsenic	2.00000	2.03706	102	08/02/24 14:27	+/- 10.00%
	Cadmium	2.00000	2.06472	103	08/02/24 14:27	+/- 10.00%
	Copper	2.00000	2.00719	100	08/02/24 14:27	+/- 10.00%
	Lead	2.00000	1.95867	97.9	08/02/24 14:27	+/- 10.00%
	Zinc	2.00000	2.07974	104	08/02/24 14:27	+/- 10.00%
S4H0343-CCV2	Antimony	2.00000	2.02113	101	08/02/24 14:53	+/- 10.00%
	Arsenic	2.00000	1.99618	99.8	08/02/24 14:53	+/- 10.00%
	Cadmium	2.00000	2.07498	104	08/02/24 14:53	+/- 10.00%
	Copper	2.00000	2.00637	100	08/02/24 14:53	+/- 10.00%
	Lead	2.00000	1.90989	95.5	08/02/24 14:53	+/- 10.00%
	Zinc	2.00000	2.10711	105	08/02/24 14:53	+/- 10.00%
S4H0343-CCV3	Antimony	2.00000	2.01966	101	08/02/24 16:01	+/- 10.00%
	Arsenic	2.00000	1.99356	99.7	08/02/24 16:01	+/- 10.00%
	Cadmium	2.00000	2.03735	102	08/02/24 16:01	+/- 10.00%
	Copper	2.00000	2.01473	101	08/02/24 16:01	+/- 10.00%
	Lead	2.00000	1.92528	96.3	08/02/24 16:01	+/- 10.00%
	Zinc	2.00000	2.06938	103	08/02/24 16:01	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0312

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0312-ICB1	Antimony	0.008240	0.02	0.04	07/31/24 14:47		EPA 6010B
	Arsenic	0.002649	0.01	0.04	07/31/24 14:47		EPA 6010B
	Cadmium	-0.003655	0.001	0.02	07/31/24 14:47	U	EPA 6010B
	Copper	0.000643	0.004	0.02	07/31/24 14:47		EPA 6010B
	Lead	-0.000332	0.004	0.02	07/31/24 14:47	U	EPA 6010B
	Zinc	-0.006333	0.006	0.04	07/31/24 14:47	U	EPA 6010B
S4H0312-CCB5	Antimony	0.013194	0.02	0.04	07/31/24 23:44		EPA 6010B
	Arsenic	0.004983	0.01	0.04	07/31/24 23:44		EPA 6010B
	Cadmium	-0.003484	0.001	0.02	07/31/24 23:44	U	EPA 6010B
	Copper	-0.000410	0.004	0.02	07/31/24 23:44	U	EPA 6010B
	Lead	-0.001853	0.004	0.02	07/31/24 23:44	U	EPA 6010B
	Zinc	-0.005216	0.006	0.04	07/31/24 23:44	U	EPA 6010B
S4H0312-CCB6	Antimony	3.1891E-3	0.02	0.04	08/1/24 0:09		EPA 6010B
	Arsenic	0.007762	0.01	0.04	08/1/24 0:09		EPA 6010B
	Cadmium	-0.003745	0.001	0.02	08/1/24 0:09	U	EPA 6010B
	Copper	0.000114	0.004	0.02	08/1/24 0:09		EPA 6010B
	Lead	-0.007289	0.004	0.02	08/1/24 0:09	U	EPA 6010B
	Zinc	-0.004987	0.006	0.04	08/1/24 0:09	U	EPA 6010B
S4H0312-CCB7	Antimony	0.002722	0.02	0.04	08/1/24 0:33		EPA 6010B
	Arsenic	0.011246	0.01	0.04	08/1/24 0:33	B13	EPA 6010B
	Cadmium	-0.004382	0.001	0.02	08/1/24 0:33	U	EPA 6010B
	Copper	0.000182	0.004	0.02	08/1/24 0:33		EPA 6010B
	Lead	-0.007025	0.004	0.02	08/1/24 0:33	U	EPA 6010B
	Zinc	-0.004525	0.006	0.04	08/1/24 0:33	U	EPA 6010B

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0343

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0343-ICB1	Antimony	-0.008223	0.02	0.04	08/2/24 13:37	U	EPA 6010B
	Arsenic	-0.001369	0.01	0.04	08/2/24 13:37	U	EPA 6010B
	Cadmium	-0.023988	0.001	0.02	08/2/24 13:37	U	EPA 6010B
	Copper	-0.018075	0.004	0.02	08/2/24 13:37	U	EPA 6010B
	Lead	-0.007196	0.004	0.02	08/2/24 13:37	U	EPA 6010B
	Zinc	-0.025860	0.006	0.04	08/2/24 13:37	U	EPA 6010B
S4H0343-CCB1	Antimony	-0.004748	0.02	0.04	08/2/24 14:29	U	EPA 6010B
	Arsenic	-0.004522	0.01	0.04	08/2/24 14:29	U	EPA 6010B
	Cadmium	-0.024664	0.001	0.02	08/2/24 14:29	U	EPA 6010B
	Copper	-0.016988	0.004	0.02	08/2/24 14:29	U	EPA 6010B
	Lead	-0.008880	0.004	0.02	08/2/24 14:29	U	EPA 6010B
	Zinc	-0.024233	0.006	0.04	08/2/24 14:29	U	EPA 6010B
S4H0343-CCB2	Antimony	-0.013176	0.02	0.04	08/2/24 14:55	U	EPA 6010B
	Arsenic	-0.000085	0.01	0.04	08/2/24 14:55	U	EPA 6010B
	Cadmium	-0.025472	0.001	0.02	08/2/24 14:55	U	EPA 6010B
	Copper	-0.018592	0.004	0.02	08/2/24 14:55	U	EPA 6010B
	Lead	-0.011442	0.004	0.02	08/2/24 14:55	U	EPA 6010B
	Zinc	-0.025750	0.006	0.04	08/2/24 14:55	U	EPA 6010B
S4H0343-CCB3	Antimony	-0.009871	0.02	0.04	08/2/24 16:03	U	EPA 6010B
	Arsenic	0.006030	0.01	0.04	08/2/24 16:03		EPA 6010B
	Cadmium	-0.025615	0.001	0.02	08/2/24 16:03	U	EPA 6010B
	Copper	-0.019766	0.004	0.02	08/2/24 16:03	U	EPA 6010B
	Lead	-0.009624	0.004	0.02	08/2/24 16:03	U	EPA 6010B
	Zinc	-0.025083	0.006	0.04	08/2/24 16:03	U	EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0312-IFA1	Antimony		0.01963	mg/L		<0.04	7/31/24 14:57
	Arsenic		0.00776	mg/L		<0.04	7/31/24 14:57
	Cadmium		-0.00052	mg/L		<0.02	7/31/24 14:57
	Copper		-0.00801	mg/L		<0.02	7/31/24 14:57
	Lead		-0.04921	mg/L		<0.02	7/31/24 14:57
	Zinc		0.00005	mg/L		<0.04	7/31/24 14:57

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0312-IFB1	Antimony	0.500000	0.47857	mg/L	4	±20.00 %	7/31/24 14:59
	Arsenic	0.500000	0.47914	mg/L	4	±20.00 %	7/31/24 14:59
	Cadmium	0.500000	0.47608	mg/L	5	±20.00 %	7/31/24 14:59
	Copper	0.500000	0.48481	mg/L	3	±20.00 %	7/31/24 14:59
	Lead	0.500000	0.45549	mg/L	9	±20.00 %	7/31/24 14:59
	Zinc	0.500000	0.47359	mg/L	5	±20.00 %	7/31/24 14:59

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0343-IFA1	Antimony		0.01284	mg/L		<0.04	8/2/24 13:53
	Arsenic		-0.00837	mg/L		<0.04	8/2/24 13:53
	Cadmium		-0.01867	mg/L		<0.02	8/2/24 13:53
	Copper		-0.02418	mg/L		<0.02	8/2/24 13:53
	Lead		-0.05448	mg/L		<0.02	8/2/24 13:53
	Zinc		-0.01410	mg/L		<0.04	8/2/24 13:53

INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0343-IFB1	Antimony	0.500000	0.50759	mg/L	-2	±20.00 %	8/2/24 13:55
	Arsenic	0.500000	0.48317	mg/L	3	±20.00 %	8/2/24 13:55
	Cadmium	0.500000	0.48534	mg/L	3	±20.00 %	8/2/24 13:55
	Copper	0.500000	0.52545	mg/L	-5	±20.00 %	8/2/24 13:55
	Lead	0.500000	0.42020	mg/L	16	±20.00 %	8/2/24 13:55
	Zinc	0.500000	0.48524	mg/L	3	±20.00 %	8/2/24 13:55

METHOD DETECTION AND REPORTING LIMITS
EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Antimony	0.77	2.0	mg/kg
Arsenic	0.71	2.0	mg/kg
Cadmium	0.06	1.0	mg/kg
Copper	0.22	1.0	mg/kg
Lead	0.18	1.0	mg/kg
Zinc	0.30	2.0	mg/kg

Sample Data

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401268-01 Laboratory ID: D1543-WC-A1A2

Sampled: 07/26/24 13:30 Prepared: 08/14/24 16:35 Analyzed: 08/14/24 22:29

Batch: B4H0647 Sequence: S4H0472 Instrument: ICP-16

Preparation: STLC_S Extraction Method: WET/EPA 6010B Concentration Units: mg/L

Leach Batch: B4H0611 Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	2.5	0.020	0.10	5	

ANALYSIS DATA SHEET
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil Laboratory ID: 2401268-02 Laboratory ID: D1543-WC-A1A2A3

Sampled: 07/26/24 13:34 Prepared: 08/14/24 16:35 Analyzed: 08/14/24 22:31

Batch: B4H0647 Sequence: S4H0472 Instrument: ICP-16

Preparation: STLC_S Extraction Method: WET/EPA 6010B Concentration Units: mg/L

Leach Batch: B4H0611 Leach Method: STLC_S Extraction

CAS NO.	ANALYTE	Conc.	MDL	PQL	Dilution	Q
7439-92-1	Lead	2.8	0.020	0.10	5	

Batch QC

PREPARATION BATCH SUMMARY

Laboratory:	Advanced Technology Laborator			Work Order:	2401268
Client:	Parsons			Project:	D1543 - 4647 E 59th Pl, Maywood, CA 90270
Batch:	B4H0647	Batch Matrix:	Soil	Preparation:	STLC_S Extraction

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT g	FINAL VOL. mL
D1543-WC-A1A2	2401268-01	08/14/24 16:35	25.00	25
D1543-WC-A1A2A3	2401268-02	08/14/24 16:35	25.00	25
Blank	B4H0647-BLK1	08/14/24 16:35	25.00	25
LCS	B4H0647-BS1	08/14/24 16:35	25.00	25
Matrix Spike	B4H0647-MS1	08/14/24 16:35	25.00	25
Matrix Spike Dup	B4H0647-MSD1	08/14/24 16:35	25.00	25
Dilution Check	B4H0647-SRL1	08/14/24 16:35	25.00	25

Metals Batch Worksheet

Lab Name: Advanced Technology Laboratories

Batch Number: B4H0647

Extraction Method: STLC_S Extraction

Batch Start Date:

Batch Analyst: CH

Analysis Method: WET/EPA 6010B

Batch End Date:

Lab Sample ID	Client Sample ID	Initial (g)	Final (mL)	Spike ID	Spike ID Amount (uL)	Source ID	1:1 HNO3	30% H202	Con. HCl	Con. HNO3	1:1 HCl Acid
2401268-01	D1543-WC-A1A2	25.00	25.00								
2401268-02	D1543-WC-A1A2A3	25.00	25.00								
B4H0647-BLK1	Blank	25.00	25.00								
B4H0647-BS1	LCS	25.00	25.00	A4E0708 A4E0709	250 250						
B4H0647-MS1	Matrix Spike	25.00	25.00	A4E0708 A4E0709	250 250	2401128-01					
B4H0647-MSD1	Matrix Spike Dup	25.00	25.00	A4E0708 A4E0709	250 250	2401128-01					
B4H0647-SRL1	Dilution Check	25.00	25.00			2401128-01					

Spiking Standards

Spike	Description	Lotnum
A4E0708	Spike 1	na
A4E0709	Spike 2	NA

Reagents

Standard	Description	LotNum

Equipment Used

Type	Equipment ID	LotNum

METHOD BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0647

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
B4H0647-BLK1	Lead	0.032117	0.020	0.10	08/14/24 21:34	318,	WET/EPA 6010B

LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0647
Concentration Units: mg/L

Laboratory ID: B4H0647-BS1

ANALYTE	LCS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.540990	0.500000	108		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0647

Concentration Units: mg/L

Source Sample Name: **2401128-01**

Laboratory ID: B4H0647-MS1

ANALYTE	SAMPLE CONCENTRATION	MS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Lead	0.681015	1.14308	0.500000	92.4		75 - 125

Laboratory ID: B4H0647-MSD1

ANALYTE	MSD CONCENTRATION	% R	% RPD	SPIKE ADDED	Q	CONTROL LIMITS	
						% RPD	% R
Lead	1.13344	90.5	0.847	0.500000		20	75 - 125

POST SPIKE RECOVERY SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0647

Concentration Units: mg/L

Source Sample Name: **2401128-01**

Laboratory ID: B4H0647-PS1

ANALYTE	SAMPLE CONCENTRATION	PS CONCENTRATION	SPIKE ADDED	% R	Q	CONTROL LIMIT %R
Laboratory ID: B4H0647-PS1						
Lead	0.681015	1.12959	0.500000	89.7		75 - 125

Instrument QC

ANALYSIS SEQUENCE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0472 Instrument: ICP-16

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	S4H0472-IBL1	240814-01 RR-001	08/14/24 10:53
Cal Standard	S4H0472-CAL1	240814-01 RR-002	08/14/24 10:56
Cal Standard	S4H0472-CAL2	240814-01 RR-003	08/14/24 10:58
Cal Standard	S4H0472-CAL3	240814-01 RR-004	08/14/24 11:00
Cal Standard	S4H0472-CAL4	240814-01 RR-005	08/14/24 11:03
Cal Standard	S4H0472-CAL5	240814-01 RR-006	08/14/24 11:05
Cal Standard	S4H0472-CAL6	240814-01 RR-007	08/14/24 11:07
Cal Standard	S4H0472-CAL7	240814-01 RR-008	08/14/24 11:09
Initial Cal Check	S4H0472-ICV1	240814-01 RR-009	08/14/24 11:20
Initial Cal Blank	S4H0472-ICB1	240814-01 RR-010	08/14/24 11:22
Interference Check A	S4H0472-IFA1	240814-01 RR-012	08/14/24 11:28
Interference Check B	S4H0472-IFB1	240814-01 RR-013	08/14/24 11:30
Calibration Check	S4H0472-CCV1	240814-01 RR-014	08/14/24 11:38
Calibration Blank	S4H0472-CCB1	240814-01 RR-015	08/14/24 11:40
Calibration Check	S4H0472-CCVJ	240814-01 RR-265	08/14/24 21:22
Calibration Blank	S4H0472-CCBJ	240814-01 RR-266	08/14/24 21:24
Blank	B4H0647-BLK1	240814-01 RR-270	08/14/24 21:34
LCS	B4H0647-BS1	240814-01 RR-271	08/14/24 21:36
Matrix Spike	B4H0647-MS1	240814-01 RR-272	08/14/24 21:38
Matrix Spike Dup	B4H0647-MSD1	240814-01 RR-273	08/14/24 21:41
Post Spike	B4H0647-PS1	240814-01 RR-274	08/14/24 21:43
Dilution Check	B4H0647-SRL1	240814-01 RR-275	08/14/24 21:46
Calibration Check	S4H0472-CCVK	240814-01 RR-277	08/14/24 21:50
Calibration Blank	S4H0472-CCBK	240814-01 RR-278	08/14/24 21:53
Calibration Check	S4H0472-CCVL	240814-01 RR-289	08/14/24 22:19
Calibration Blank	S4H0472-CCBL	240814-01 RR-290	08/14/24 22:22
D1543-WC-A1A2	2401268-01	240814-01 RR-293	08/14/24 22:29
D1543-WC-A1A2A3	2401268-02	240814-01 RR-294	08/14/24 22:31
Calibration Check	S4H0472-CCVM	240814-01 RR-301	08/14/24 22:48
Calibration Blank	S4H0472-CCBM	240814-01 RR-302	08/14/24 22:51

INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

Lab Sample ID	Analyte	True	Found	%R	Analyzed	Control Limit
S4H0472-ICV1	Lead	0.500000	0.527184	105	08/14/24 11:20	+/- 10.00%
S4H0472-CCV1	Lead	2.00000	1.98890	99.4	08/14/24 11:38	+/- 10.00%
S4H0472-CCVJ	Lead	2.00000	1.94340	97.2	08/14/24 21:22	+/- 10.00%
S4H0472-CCVK	Lead	2.00000	1.92082	96.0	08/14/24 21:50	+/- 10.00%
S4H0472-CCVL	Lead	2.00000	1.89963	95.0	08/14/24 22:19	+/- 10.00%
S4H0472-CCVM	Lead	2.00000	1.89531	94.8	08/14/24 22:48	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

Lab Sample ID	Analyte	Found	MDL	PQL	Analyzed	Q	Method
S4H0472-ICB1	Lead	0.007855	0.0041	0.020	08/14/24 11:22	16, Q	WET/EPA 6010B
S4H0472-CCB1	Lead	0.008591	0.0041	0.020	08/14/24 11:40	3, B	WET/EPA 6010B
S4H0472-CCBJ	Lead	0.001220	0.0041	0.020	08/14/24 21:24		WET/EPA 6010B
S4H0472-CCBK	Lead	0.001927	0.0041	0.020	08/14/24 21:53		WET/EPA 6010B
S4H0472-CCBL	Lead	0.000605	0.0041	0.020	08/14/24 22:22		WET/EPA 6010B
S4H0472-CCBM	Lead	0.002071	0.0041	0.020	08/14/24 22:51		WET/EPA 6010B

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFA1	Lead		0.00074	mg/L		<0.02	8/14/24 11:28

INTERFERENCE CHECK SAMPLE SUMMARY

WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

Lab Sample ID	Analyte	True Value	Observed	Units	%D	Control Limit	Analyzed
S4H0472-IFB1	Lead	0.500000	0.49434	mg/L	1	±20.00 %	8/14/24 11:30

METHOD DETECTION AND REPORTING LIMITS
WET/EPA 6010B

Laboratory: Advanced Technology Laboratories **Project:** D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil **Instrument:** ICP-16

Analyte	MDL	PQL	Units
Lead	0.0041	0.020	mg/L

Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA) < 6mm	☐	☐	6. PRESERVED	☐	☐
☐ ESO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C:		
☐ Other: _____	4. SEALED	☐	☐	8. THERMOMETER ID:		

Company: **Parsons**	Address: 100 W. Walnut Street			Tel:	
	City: Pasadena	State: CA	Zip: 91124	Fax:	
SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO			EDD / QA/QC	
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com	Attn:	Email:		☐ Excel ☐ Routine	
Company: Parsons	Company:			☐ EDF ☐ Caltrans	
Address: 100 W. Walnut Street	Address:			☐ Equis ☐ Legal	
City: Pasadena State: CA Zip: 91124	City:	State:	Zip:	☐ _____ ☐ RWQCB	
				☐ Level IV	
				☐ _____	

Project Name: DTSC Exide Residential	Quote #:	
Site Address: 4647 E 59th Pl, Maywood CA 90270	Site ID: D1S43	
Project No.: 684735	PO #:	
Sampler: Brenda B		

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb)	Requested Analysis: Lead (6010B)	Sample Matrix: Soil	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2; 6=NaOH; 7=NA2S2O3	Remarks
1	1	D1543-WC-A1A2	D1543-WC	7/26/2024	1330	x	x	x		1	5	1		
2	2	D1543-WC-A1A2A3	D1543-WC	7/26/2024	1334	x	x	x		1	5	1		
3														
4														
5														
6														
7														
8														
9														
10														

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

	Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
1	Brenda B	7/26/24	1345	E L	7/26/24	1345
2	E L	7/26/24	1411		7/26/24	14:11
3						

Table of Contents

Lena Davidkov

From: Nishka.Parikh@parsons.com
Sent: Friday, August 9, 2024 10:45 AM
To: Lena Davidkov
Cc: Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
Subject: Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Happy Friday!

Please run the following on a standard turnaround time:

1. RP2374B-WC-A1A2 (LAB REPORT 2401250): STLC for lead
2. RP2374B-WC-A1A2A3 (LAB REPORT 2401250): STLC for lead
3. C0058-WC-A1A2 (LAB REPORT 2401248): STLC and TCLP for lead
4. B0953-WC-A1A2 (LAB REPORT 2401262): STLC and TCLP for lead
5. B0953-WC-A1A2A3 (LAB REPORT 2401262): STLC and TCLP for lead
6. D1543-WC-A1A2 (LAB REPORT 2401268): STLC for lead
7. D1543-WC-A1A2A3 (LAB REPORT 2401268): STLC for lead
8. RP3111-WC-A1A2 (LAB REPORT 2401266): STLC and TCLP for lead
9. RP3111-WC-A1A2A3 (LAB REPORT 2401266): STLC and TCLP for lead
10. RP0671-WC-A1A2 (LAB REPORT 2401264): STLC and TCLP for lead
11. RP0671-WC-A1A2A3 (LAB REPORT 2401264): STLC and TCLP for lead

Thank you,

Nishka Parikh
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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Standard Traceability

LABORATORY STANDARD SUMMARY

Standard ID: A4D0581
Description: 8081/8082/608 Surrogate, 1 ppm
Solvent: Acetone/A2J0687
Lot Number: A0146097
Comments:

Date Prepared: 04/12/2024
Date Expires: 04/12/2025
Prepared by: Juan Flores
Vendor: In House
Final Volume (mL:s): 200.0000

A4D0581 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A3E0559	A0197094	1.0000

Analyte	Concentration	Units
Decachlorobiphenyl	1.0000	ppm
Decachlorobiphenyl [2C]	1.0000	ppm
Tetrachloro-m-xylene	1.0000	ppm
Tetrachloro-m-xylene [2C]	1.0000	ppm

LABORATORY STANDARD SUMMARY

Standard ID: A4E0708
Description: Spike 1
Solvent: 5% HNO3
Lot Number: na
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0708 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A2J0747	219115070-01	2.5000
A2J0710	221085029	2.5000
A2J0712	221085015	2.5000
A2J0713	220085165-01	2.5000
A2J0714	222015122	2.5000
A2J0719	22075058	2.5000
A2J0742	220075140-01	2.5000
A2J0709	220045073-02	2.5000
A2J0746	221015120	2.5000
A4E0704	223075052	2.5000
A2J0748	221015023	2.5000
A2J0749	221095086	2.5000
A2J0750	221085081	2.5000
A3G0689	222035101	2.5000
A4E0698	223115077	2.5000
A4E0700	222035128-01	2.5000
A2J0745	217015040-02	2.5000

Analyte	**Concentration**	**Units**
Antimony	50.0000	DPM/mL
Beryllium	50.0000	DPM/mL
Cadmium	50.0000	DPM/mL
Chromium	50.0000	DPM/mL
Cobalt	50.0000	DPM/mL
Copper	50.0000	DPM/mL
Lead	50.0000	DPM/mL
Manganese	50.0000	DPM/mL
Molybdenum	50.0000	DPM/mL
Nickel	50.0000	DPM/mL
Selenium	50.0000	DPM/mL
Strontium	50.0000	DPM/mL
Thallium	50.0000	DPM/mL
Tin	50.0000	DPM/mL
Titanium	50.0000	DPM/mL
Vanadium	50.0000	DPM/mL
Zinc	50.0000	DPM/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4E0709
Description: Spike 2
Solvent: 5% HNO3
Lot Number: NA
Comments:

Date Prepared: 05/28/2024
Date Expires: 10/11/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 500.0000

A4E0709 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0707	222085113	2.5000
A4E0706	224045066	25.0000
A4E0705	223115008	1.2500
A3B0556	221095060	25.0000
A3B0555	221085109	25.0000
A3B0554	221085140	25.0000
A3B0553	222035160	25.0000
A2J0751	221095092	25.0000
A2J0744	221045032	2.5000
A2J0716	221055148	2.5000
A2J0711	219015161-01	2.5000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Arsenic	50.0000	ug/mL
Barium	50.0000	ug/mL
Boron	50.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	500.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	500.0000	ug/mL
Silicon	50.0000	ug/mL
Silver	25.0000	ug/mL
Sodium	500.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0496
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/26/2024
Date Expires: 08/09/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0496 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0504
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: Juan Flores
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0504 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0505
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4G0505 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0521
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0521 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0522	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0522
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0522 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0523	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0523
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0523 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0524
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0524 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0525	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0525
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0525 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0526
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4G0526 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0527	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0527
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 07/31/2024
Date Expires: 08/13/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4G0527 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0507	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4G0528
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 07/29/2024
Date Expires: 08/12/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4G0528 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4G0504	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0394
Description: IFA
Solvent: A3H0573
Lot Number: na
Comments:

Date Prepared: 08/07/2024
Date Expires: 08/21/2024
Prepared by: Juan Flores
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0394 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4B0466	222015045	50.0000
A3K0437	223045009	50.0000
A3K0436	223035063	5.0000
A3B0554	221085140	10.0000
A3A0464	2224912-500	20.0000
A3A0463	2232113S	50.0000

Analyte	**Concentration**	**Units**
Aluminum	500.0000	ug/mL
Calcium	500.0000	ug/mL
Iron	200.0000	ug/mL
Magnesium	500.0000	ug/mL
Potassium	50.0000	ug/mL
Sodium	100.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0434
Description: ICV
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0434 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4E0709	NA	10.0000
A4E0708	na	10.0000

Analyte	Concentration	Units
Aluminum	5.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	5.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	5.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	5.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	5.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	5.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0435
Description: IS
Solvent: 6%HNO3 3%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/26/2024
Prepared by: jack.bui
Vendor: N/A
Final Volume (mL:s): 1,000.0000

A4H0435 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4F0560	2334620-100	0.1500
A3J0482	2222032-100	3.0000

Analyte	Concentration	Units
Terbium	1.5000	ug/mL
Yttrium	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0436
Description: IFB
Solvent: 6%HNO3 5%HCL
Lot Number: na
Comments:

Date Prepared: 08/12/2024
Date Expires: 08/21/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 500.0000

A4H0436 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0394	na	490.0000
A4E0709	NA	5.0000
A4E0708	na	5.0000

Analyte	Concentration	Units
Aluminum	495.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	495.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	201.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	495.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	54.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.2500	ug/mL
Sodium	103.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Tin	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0457
Description: CAL 7 (5ppm/ minerals 130ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 2,000.0000

A4H0457 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0443	na	200.0000
A4F0561	2413109-500	100.0000

Analyte	Concentration	Units
Aluminum	130.0000	ug/mL
Antimony	5.0000	ug/mL
Arsenic	5.0000	ug/mL
Barium	5.0000	ug/mL
Beryllium	5.0000	ug/mL
Boron	5.0000	ug/mL
Cadmium	5.0000	ug/mL
Calcium	130.0000	ug/mL
Chromium	5.0000	ug/mL
Cobalt	5.0000	ug/mL
Copper	5.0000	ug/mL
Iron	130.0000	ug/mL
Lead	5.0000	ug/mL
Magnesium	130.0000	ug/mL
Manganese	5.0000	ug/mL
Molybdenum	5.0000	ug/mL
Nickel	5.0000	ug/mL
Potassium	130.0000	ug/mL
Selenium	5.0000	ug/mL
Silicon	5.0000	ug/mL
Silver	5.0000	ug/mL
Sodium	130.0000	ug/mL
Strontium	5.0000	ug/mL
Thallium	5.0000	ug/mL
Titanium	5.0000	ug/mL
Vanadium	5.0000	ug/mL
Zinc	5.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0458
Description: CAL 6 (3ppm/minerals 78ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0458 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	600.0000

Analyte	Concentration	Units
Aluminum	78.0000	ug/mL
Antimony	3.0000	ug/mL
Arsenic	3.0000	ug/mL
Barium	3.0000	ug/mL
Beryllium	3.0000	ug/mL
Boron	3.0000	ug/mL
Cadmium	3.0000	ug/mL
Calcium	78.0000	ug/mL
Chromium	3.0000	ug/mL
Cobalt	3.0000	ug/mL
Copper	3.0000	ug/mL
Iron	78.0000	ug/mL
Lead	3.0000	ug/mL
Magnesium	78.0000	ug/mL
Manganese	3.0000	ug/mL
Molybdenum	3.0000	ug/mL
Nickel	3.0000	ug/mL
Potassium	78.0000	ug/mL
Selenium	3.0000	ug/mL
Silicon	3.0000	ug/mL
Silver	3.0000	ug/mL
Sodium	78.0000	ug/mL
Strontium	3.0000	ug/mL
Thallium	3.0000	ug/mL
Titanium	3.0000	ug/mL
Vanadium	3.0000	ug/mL
Zinc	3.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0459
Description: CAL 5 (2ppm/ minerals 52ppm) / CCV
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0459 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0457	NA	400.0000

Analyte	Concentration	Units
Aluminum	52.0000	ug/mL
Antimony	2.0000	ug/mL
Arsenic	2.0000	ug/mL
Barium	2.0000	ug/mL
Beryllium	2.0000	ug/mL
Boron	2.0000	ug/mL
Cadmium	2.0000	ug/mL
Calcium	52.0000	ug/mL
Chromium	2.0000	ug/mL
Cobalt	2.0000	ug/mL
Copper	2.0000	ug/mL
Iron	52.0000	ug/mL
Lead	2.0000	ug/mL
Magnesium	52.0000	ug/mL
Manganese	2.0000	ug/mL
Molybdenum	2.0000	ug/mL
Nickel	2.0000	ug/mL
Potassium	52.0000	ug/mL
Selenium	2.0000	ug/mL
Silicon	2.0000	ug/mL
Silver	2.0000	ug/mL
Sodium	52.0000	ug/mL
Strontium	2.0000	ug/mL
Thallium	2.0000	ug/mL
Titanium	2.0000	ug/mL
Vanadium	2.0000	ug/mL
Zinc	2.0000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0460
Description: CAL 4 (0.5ppm/ minerals 13ppm)
Solvent: 6 % HNO3 + 3% HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0460 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	250.0000

Analyte	Concentration	Units
Aluminum	13.0000	ug/mL
Antimony	0.5000	ug/mL
Arsenic	0.5000	ug/mL
Barium	0.5000	ug/mL
Beryllium	0.5000	ug/mL
Boron	0.5000	ug/mL
Cadmium	0.5000	ug/mL
Calcium	13.0000	ug/mL
Chromium	0.5000	ug/mL
Cobalt	0.5000	ug/mL
Copper	0.5000	ug/mL
Iron	13.0000	ug/mL
Lead	0.5000	ug/mL
Magnesium	13.0000	ug/mL
Manganese	0.5000	ug/mL
Molybdenum	0.5000	ug/mL
Nickel	0.5000	ug/mL
Potassium	13.0000	ug/mL
Selenium	0.5000	ug/mL
Silicon	0.5000	ug/mL
Silver	0.5000	ug/mL
Sodium	13.0000	ug/mL
Strontium	0.5000	ug/mL
Thallium	0.5000	ug/mL
Titanium	0.5000	ug/mL
Vanadium	0.5000	ug/mL
Zinc	0.5000	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0461
Description: CAL 3 (0.08ppm/ minerals 2.08ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0461 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0459	NA	40.0000

Analyte	Concentration	Units
Aluminum	2.0800	ug/mL
Antimony	0.0800	ug/mL
Arsenic	0.0800	ug/mL
Barium	0.0800	ug/mL
Beryllium	0.0800	ug/mL
Boron	0.0800	ug/mL
Cadmium	0.0800	ug/mL
Calcium	2.0800	ug/mL
Chromium	0.0800	ug/mL
Cobalt	0.0800	ug/mL
Copper	0.0800	ug/mL
Iron	2.0800	ug/mL
Lead	0.0800	ug/mL
Magnesium	2.0800	ug/mL
Manganese	0.0800	ug/mL
Molybdenum	0.0800	ug/mL
Nickel	0.0800	ug/mL
Potassium	2.0800	ug/mL
Selenium	0.0800	ug/mL
Silicon	0.0800	ug/mL
Silver	0.0800	ug/mL
Sodium	2.0800	ug/mL
Strontium	0.0800	ug/mL
Thallium	0.0800	ug/mL
Titanium	0.0800	ug/mL
Vanadium	0.0800	ug/mL
Zinc	0.0800	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0462
Description: CAL 2 (0.04ppm/ minerals 1.04ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0462 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0461	NA	500.0000

Analyte	Concentration	Units
Aluminum	1.0400	ug/mL
Antimony	0.0400	ug/mL
Arsenic	0.0400	ug/mL
Barium	0.0400	ug/mL
Beryllium	0.0400	ug/mL
Boron	0.0400	ug/mL
Cadmium	0.0400	ug/mL
Calcium	1.0400	ug/mL
Chromium	0.0400	ug/mL
Cobalt	0.0400	ug/mL
Copper	0.0400	ug/mL
Iron	1.0400	ug/mL
Lead	0.0400	ug/mL
Magnesium	1.0400	ug/mL
Manganese	0.0400	ug/mL
Molybdenum	0.0400	ug/mL
Nickel	0.0400	ug/mL
Potassium	1.0400	ug/mL
Selenium	0.0400	ug/mL
Silicon	0.0400	ug/mL
Silver	0.0400	ug/mL
Sodium	1.0400	ug/mL
Strontium	0.0400	ug/mL
Thallium	0.0400	ug/mL
Titanium	0.0400	ug/mL
Vanadium	0.0400	ug/mL
Zinc	0.0400	ug/mL

LABORATORY STANDARD SUMMARY

Standard ID: A4H0463
Description: CAL 1 (0.02ppm/ minerals 0.52ppm)
Solvent: 6 % HNO3 + 3 % HCL
Lot Number: NA
Comments:

Date Prepared: 08/14/2024
Date Expires: 08/28/2024
Prepared by: jack.bui
Vendor: NA
Final Volume (mL:s): 1,000.0000

A4H0463 Prepared from the following standards:

Parent Std ID	*Lot #*	*Vol (mLs)*
A4H0462	NA	500.0000

Analyte	Concentration	Units
Aluminum	0.5200	ug/mL
Antimony	0.0200	ug/mL
Arsenic	0.0200	ug/mL
Barium	0.0200	ug/mL
Beryllium	0.0200	ug/mL
Boron	0.0200	ug/mL
Cadmium	0.0200	ug/mL
Calcium	0.5200	ug/mL
Chromium	0.0200	ug/mL
Cobalt	0.0200	ug/mL
Copper	0.0200	ug/mL
Iron	0.5200	ug/mL
Lead	0.0200	ug/mL
Magnesium	0.5200	ug/mL
Manganese	0.0200	ug/mL
Molybdenum	0.0200	ug/mL
Nickel	0.0200	ug/mL
Potassium	0.5200	ug/mL
Selenium	0.0200	ug/mL
Silicon	0.0200	ug/mL
Silver	0.0200	ug/mL
Sodium	0.5200	ug/mL
Strontium	0.0200	ug/mL
Thallium	0.0200	ug/mL
Titanium	0.0200	ug/mL
Vanadium	0.0200	ug/mL
Zinc	0.0200	ug/mL