



May 22, 2025

Enrique Casas
Los Angeles Regional Water Quality Control Board
320 W. 4th Street, Suite 200
Los Angeles, California 90013
enrique.casas@waterboards.ca.gov

Re: Investigative Order No. R4-2024-0010
Los Angeles Regional Water Quality Control Board

Dear Mr. Casas:

This submittal has been prepared for the Los Angeles Regional Water Quality Control Board (“Regional Board”), by Chiquita Canyon, LLC (“Chiquita”) as required by the Investigative Order No. R4-2024-0010 (the “Order”), issued by the Regional Board on March 20, 2024. Pursuant to Conditions 1(g) and (j) of the Order, Chiquita produces the following information regarding a storm event that began on April 26, 2025, which resulted in a discharge into the South Detention Basin (“Basin”).

I. Post-Storm Event Assessment and Geosynthetic Cover Analysis

Condition 1(g) of the Order requires the following:

For storms that produce a discharge into the sedimentation basin, a post-storm event assessment and report on the effectiveness of the geosynthetic cover that will be installed over a portion of the area impacted by the reaction to prevent leachate from commingling with stormwater until the elevated Landfill temperature condition has resolved. This report is due 30 days after the first day of the storm event that produces a discharge.

On April 26, 2025, a storm event began which caused a discharge into the Basin through the eastern and western inlets on the same day. No discharge occurred out of the Basin. Chiquita followed protocol pursuant to its updated Storm Water Pollution Prevention Plan (“SWPPP”) and related best management practices, including those outlined in Section 6.6 of the SWPPP, to minimize and prevent leachate migration with stormwater runoff into onsite discharge channels, drain inlets, and inlets to the Basin. Chiquita also conducted sampling pursuant to Condition 1(j) as discussed below.

The reaction area at the landfill has been covered with 45-acres of 30-mil high density polyethylene geomembrane cover (“cover”) to reduce landfill surface emissions, prevent soil erosion, and mitigate against leachate commingling with stormwater runoff. Additionally, twice

Mr. Enrique Casas
Los Angeles Regional Water Quality Control Board

daily inspections are performed of this area to assess the effectiveness of the cover, including identifying any leachate seeps, cover integrity concerns, or stormwater discharges into and out of the Basin. At the time of this discharge event, the cover was observed to be effective at preventing leachate commingling with stormwater runoff, among its other intended purposes.

II. Discharge Sampling Analysis

Condition 1(j) of the Order requires the following:

The Discharger must sample and submit the analysis of any and all discharges into and out of the south sedimentation basin. Analytes shall include parameters identified in the effluent limitation guidelines in Subchapter N, Subpart B—RCRA Subtitle D Non-Hazardous Waste Landfills, Mpars, parameters the Discharger is required to sample per the Industrial General Permit including TMDL related requirements in Attachment E, and Appendix II constituents. All results must be submitted to the Los Angeles Water Board within 30 days of the first day of the discharge event.

In accordance with Condition 1(j) of the Order, Chiquita collected samples representative of discharge into the Basin from the eastern and western inlets on April 26, 2025. The results are attached hereto as Attachment A.

* * * * *

Regards



Steve Cassulo
District Manager
Chiquita Canyon, LLC

Attachment A –Discharge Sampling Results (for 2025-04-26)

cc: (via email)
Nicole Ward, Chiquita
Amanda Froman, Chiquita
Pavlova Vitale, Los Angeles Regional Water Quality Control Board
Robert Ragland, Los Angeles County Department of Public Health
Liza Frias, Los Angeles County Department of Public Health
Nichole Quick, M.D., Los Angeles County Department of Public Health
Shikari Nakagawa-Ota, Los Angeles County Department of Public Health
Ken Habaradas, Los Angeles County Department of Public Health
Karen Gork, LEA
Eric Morofuji, LEA
Renee Jensen, LEA Counsel

Mr. Enrique Casas
Los Angeles Regional Water Quality Control Board

Blaine McPhillips, County Counsel
Emiko Thompson, Los Angeles County Public Works
Alex Garcia, Los Angeles County Department of Regional Planning
Philip Chen, Los Angeles County Department of Regional Planning
Steven Jareb, Los Angeles County Department of Regional Planning
Wes Mindermann, CalRecycle
Jeff Lindberg, California Air Resources Board
Jack Cheng, South Coast Air Quality Management District
Larry Israel, South Coast Air Quality Management District
Tyler Holybee, United States Environmental Protection Agency
Mark Anthony Relon, United States Environmental Protection Agency
Laura Friedli, United States Environmental Protection Agency
Erin Neal, Department of Toxic Substances Control
Zanalee Zmily, Department of Toxic Substances Control

Attachment A



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531818
Report Level : II
Report Date : 05/09/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

Sample Summary

Kate Logan	Lab Job #:	531818
Waste Connections	Project No:	SW - IGP
Chiquita Canyon Landfill	Location:	Stormwater - IGP
29201 Henry Mayo	Date Received:	04/26/25
Drive		
Castaic, CA 91384		

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531818-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531818-002	04/26/25 09:45	Water
TRIP BLANK	531818-003	04/26/25 00:00	Water

Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Kate Logan

Lab Job Number: 531818
Project No: SW - IGP
Location: Stormwater -
IGP
Date Received: 04/26/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

Metals (EPA 200.7):

No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

- High RPD was observed for total suspended solids in the SDUP for batch 370128; the parent sample was not a project sample.
- No other analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):

No analytical problems were encountered.



ENTHALPY

ANALYTICAL

Chain of Custody Record

Lab No:

531818

Page:

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of

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Turn Around Time (rush by advanced notice onl

Standard:

5 Day:

3 Day:

2 Day:

1 Day:

Custom TAT:

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid

W =

Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:

1 =

Na₂S₂O₃ 2 = HCl 3 = HNO₃4 = H₂SO₄ 5 = NaOH 6 = Other

Sample Receipt

(lab use only)

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Commen

Company: CHIQUITA CANYON LANDFILL
Report To: KATE LOGAN
Email: Kate.Logan@Waste.Connections.com
Address: 29201 Henry Mayo Dr
Castic, Ca 91384
Phone: 682-559-3880
Fax:

LIMS Account: CTEH-CHIQUITA
LIMS Proj. Name: WC CHIQUITACANYON LF
Project #: Proj-037507
P.O. #: PO-4050-24-00351
Address: 29201 Henry Mayo Dr., Castaic, CA
Global ID:
Sampled By: CH ST

TOTAL COLIFORM, E. COLI

200.7 Fe

300.0 CHLORIDE

OIL AND GREASE

TSS

IGP

Email report to:

East PH 6.79
Temp. 4.6CWest 7.63
4.6C

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 SOUTH BASIN WEST INLET	04/26/25	0915	W	5	6,2,4,1
2 SOUTH BASIN EAST INLET	04/26/25	0945	W	5	6,2,4,1
3					
4					
5					
6					
7					
8					
9					
10					



Login 531818



	Signature	Print Name	Company / Title	Date / Time
¹ Relinquished By:		Caleb Hervey	CTEH	4/26/2025 1355
¹ Received By:		JELBERT QUINTANA	EA-ORA	04/24/25 1355
² Relinquished By:				
² Received By:				
³ Relinquished By:				
³ Received By:				

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 04/26/25 WO# 531818 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody

Are custody seals present? ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☒ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.5 / 9.5 #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☐ No microbiology samples submitted (skip 3b)

☒ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☒ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples

YES NO N/A

1) Were custody papers present, filled properly, and legible?

X

2) Is the sampler's name present on the CoC?

X

3) Were containers received in good condition (unbroken / unopened / uncompromised)?

X

4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)

X

5) Were all of, and only, the correct samples received?

X

6) Are sample labels present, legible, and in agreement with the CoC?

X

7) Does the container count match the CoC?

X

8) Was sufficient sample volume / mass received for the analyses requested?

X

9) Were samples received in proper containers for the analyses requested?

X

10) Were samples received with > 1/2 holding time remaining?

X

11) Are samples properly preserved as indicated by CoC / labels?

X

12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?

X

13) Are VOA vials free from headspace/bubbles > 6mm?

X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

☐ No additional discrepancies

Date Logged 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Date Labeled 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Analysis Results for 531818

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531818
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 04/26/25

Sample ID:	Lab ID: 531818-001	Collected: 04/26/25 09:15
SOUTH BASIN WEST INLET	Matrix: Water	

531818-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	2.7	J	mg/L	4.9	2.0	0.97	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	42		mg/L	0.046	0.046	1	369903	04/28/25	04/29/25	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	5.1		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 22:47	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	480		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Sample ID:	Lab ID: 531818-002	Collected: 04/26/25 09:45
SOUTH BASIN EAST INLET	Matrix: Water	

531818-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	2.2	1.1	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	190		mg/L	4.1	4.1	100	370134	04/30/25	04/30/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	95		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 23:04	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	13,000		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Analysis Results for 531818

> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1255185	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255185 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	05/07/25	05/08/25

Type: Lab Control Sample	Lab ID: QC1255186	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255186 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.20	40.00	mg/L	91%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1255187	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255187 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.00	40.00	mg/L	90%		78-114	1	18

Type: Blank	Lab ID: QC1252528	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252528 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.046	0.046	04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252529	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3896	0.4000	mg/L	97%		85-115

Type: Matrix Spike	Lab ID: QC1252530	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252530 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	25.30	24.54	0.4000	mg/L	191%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1252531	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	24.79	24.54	0.4000	mg/L	61%	NM	75-125	2	20	1

Batch QC

Type: Serial Dilution	Lab ID: QC1252873	Batch: 369903
Matrix (Source ID): Water (531666-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252873 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	19.02	18.87	mg/L				5

Type: Blank	Lab ID: QC1253276	Batch: 370134
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	04/30/25	04/30/25

Type: Lab Control Sample	Lab ID: QC1253277	Batch: 370134
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253277 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3830	0.4000	mg/L	96%		85-115

Type: Matrix Spike	Lab ID: QC1253278	Batch: 370134
Matrix (Source ID): Water (531918-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253278 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.5054	0.1344	0.4000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1253279	Batch: 370134
Matrix (Source ID): Water (531918-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253279 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.4952	0.1344	0.4000	mg/L	90%		75-125	2	20	1

Type: Serial Dilution	Lab ID: QC1253308	Batch: 370134
Matrix (Source ID): Water (531918-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253308 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	ND	0.1344	mg/L				5

Type: Blank	Lab ID: QC1254075	Batch: 370362
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254075 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	05/02/25 17:20	05/02/25 18:17

Batch QC

Type: Lab Control Sample	Lab ID: QC1254076	Batch: 370362
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254076 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	46.70	50.00	mg/L	93%		90-110

Type: Matrix Spike	Lab ID: QC1254098	Batch: 370362
Matrix (Source ID): Water (531753-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254098 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	104.6	3.483	100.0	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1254099	Batch: 370362
Matrix (Source ID): Water (531753-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254099 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	115.5	3.483	100.0	mg/L	112%		80-120	10	20	1

Type: Blank	Lab ID: QC1253257	Batch: 370128
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1253257 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		04/30/25	05/01/25

Type: Lab Control Sample	Lab ID: QC1253258	Batch: 370128
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1253258 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	101.0	100.0	mg/L	101%		90-110

Type: Lab Control Sample Duplicate	Lab ID: QC1253259	Batch: 370128
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1253259 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	100.1	100.0	mg/L	100%		90-110	1	5

Type: Sample Duplicate	Lab ID: QC1253260	Batch: 370128
Matrix (Source ID): Water (531472-004)	Method: SM2540D	Prep Method: METHOD

QC1253260 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,540	1300	mg/L		17*	5	1

Batch QC

Type: Sample Duplicate	Lab ID: QC1253261	Batch: 370128
Matrix (Source ID): Water (531472-005)	Method: SM2540D	Prep Method: METHOD

QC1253261 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,050	927.5	mg/L		12*	5	1

* Value is outside QC limits

ND Not Detected

NM Not Meaningful



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
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enthalpy.com

Lab Job Number : 531818
Report Level : II
Report Date : 05/09/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

Sample Summary

Kate Logan	Lab Job #:	531818
Waste Connections	Project No:	SW - IGP
Chiquita Canyon Landfill	Location:	Stormwater - IGP
29201 Henry Mayo	Date Received:	04/26/25
Drive		
Castaic, CA 91384		

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531818-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531818-002	04/26/25 09:45	Water
TRIP BLANK	531818-003	04/26/25 00:00	Water

Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Kate Logan

Lab Job Number: 531818
Project No: SW - IGP
Location: Stormwater -
IGP
Date Received: 04/26/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

Metals (EPA 200.7):

No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

- High RPD was observed for total suspended solids in the SDUP for batch 370128; the parent sample was not a project sample.
- No other analytical problems were encountered.

Coliform - 9221 Tests (SM 9221B and SM 9221F):

No analytical problems were encountered.



ENTHALPY

ANALYTICAL

Chain of Custody Record

Lab No:

531818

Page:

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of

4

Turn Around Time (rush by advanced notice onl

Standard:

5 Day:

3 Day:

2 Day:

1 Day:

Custom TAT:

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid

W =

Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:

1 =

Na₂S₂O₃ 2 = HCl 3 = HNO₃4 = H₂SO₄ 5 = NaOH 6 = Other

Sample Receipt

(lab use only)

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Commen

Company: CHIQUITA CANYON LANDFILL
Report To: KATE LOGAN
Email: Kate.Logan@Waste.Connections.com
Address: 29201 Henry Mayo Dr
Castic, Ca 91384
Phone: 682-559-3880
Fax:

LIMS Account: CTEH-CHIQUITA
LIMS Proj. Name: WC CHIQUITACANYON LF
Project #: Proj-037507
P.O. #: PO-4050-24-00351
Address: 29201 Henry Mayo Dr., Castaic, CA
Global ID:
Sampled By: CH ST

TOTAL COLIFORM, E. COLI

200.7 Fe

300.0 CHLORIDE

OIL AND GREASE

TSS

IGP

Email report to:

East PH 6.79
Temp. 4.6cWest 7.63
4.6c

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 SOUTH BASIN WEST INLET	04/26/25	0915	W	5	6,2,4,1
2 SOUTH BASIN EAST INLET	04/26/25	0945	W	5	6,2,4,1
3					
4					
5					
6					
7					
8					
9					
10					



Login 531818



Signature

Print Name

Company / Title

Date / Time

1 Relinquished By:

1 Received By:

2 Relinquished By:

2 Received By:

3 Relinquished By:

3 Received By:

Caleb Heras
JELBERT QUITUBACTEH
EA-ORA4/26/2025 1355
04/24/25 1355

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 04/26/25 WO# 531818 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody

Are custody seals present? ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☒ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.5 / 9.5 #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☐ No microbiology samples submitted (skip 3b)

☒ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☒ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples

YES NO N/A

1) Were custody papers present, filled properly, and legible?

X

2) Is the sampler's name present on the CoC?

X

3) Were containers received in good condition (unbroken / unopened / uncompromised)?

X

4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)

X

5) Were all of, and only, the correct samples received?

X

6) Are sample labels present, legible, and in agreement with the CoC?

X

7) Does the container count match the CoC?

X

8) Was sufficient sample volume / mass received for the analyses requested?

X

9) Were samples received in proper containers for the analyses requested?

X

10) Were samples received with > 1/2 holding time remaining?

X

11) Are samples properly preserved as indicated by CoC / labels?

X

12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?

X

13) Are VOA vials free from headspace/bubbles > 6mm?

X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

☐ No additional discrepancies

Date Logged 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Date Labeled 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Analysis Results for 531818

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531818
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 04/26/25

Sample ID:	Lab ID: 531818-001	Collected: 04/26/25 09:15
SOUTH BASIN WEST INLET	Matrix: Water	

531818-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	2.7	J	mg/L	4.9	2.0	0.97	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	42		mg/L	0.046	0.046	1	369903	04/28/25	04/29/25	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	5.1		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 22:47	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	480		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Sample ID:	Lab ID: 531818-002	Collected: 04/26/25 09:45
SOUTH BASIN EAST INLET	Matrix: Water	

531818-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	2.2	1.1	370678	05/07/25	05/08/25	CKN
Method: EPA 200.7 Prep Method: EPA 3015A										
Iron	190		mg/L	4.1	4.1	100	370134	04/30/25	04/30/25	CAP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	95		mg/L	1.0	0.27	1	370362	05/02/25 17:20	05/02/25 23:04	KUM
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM 9221F										
Coliform, E. Coli	>1,600		MPN/100ml	1.8		1	369823	04/26/25 14:32	04/28/25 14:14	BLV
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	13,000		mg/L	0.5		1	370128	04/30/25	05/01/25	RDL

Analysis Results for 531818

> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1255185	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255185 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	2.1	05/07/25	05/08/25

Type: Lab Control Sample	Lab ID: QC1255186	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255186 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.20	40.00	mg/L	91%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC1255187	Batch: 370678
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC1255187 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.00	40.00	mg/L	90%		78-114	1	18

Type: Blank	Lab ID: QC1252528	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252528 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.046	0.046	04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252529	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3896	0.4000	mg/L	97%		85-115

Type: Matrix Spike	Lab ID: QC1252530	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252530 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	25.30	24.54	0.4000	mg/L	191%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1252531	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	24.79	24.54	0.4000	mg/L	61%	NM	75-125	2	20	1

Batch QC

Type: Serial Dilution	Lab ID: QC1252873	Batch: 369903
Matrix (Source ID): Water (531666-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252873 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	19.02	18.87	mg/L				5

Type: Blank	Lab ID: QC1253276	Batch: 370134
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.041	0.041	04/30/25	04/30/25

Type: Lab Control Sample	Lab ID: QC1253277	Batch: 370134
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253277 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3830	0.4000	mg/L	96%		85-115

Type: Matrix Spike	Lab ID: QC1253278	Batch: 370134
Matrix (Source ID): Water (531918-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253278 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.5054	0.1344	0.4000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1253279	Batch: 370134
Matrix (Source ID): Water (531918-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253279 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.4952	0.1344	0.4000	mg/L	90%		75-125	2	20	1

Type: Serial Dilution	Lab ID: QC1253308	Batch: 370134
Matrix (Source ID): Water (531918-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1253308 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	ND	0.1344	mg/L				5

Type: Blank	Lab ID: QC1254075	Batch: 370362
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254075 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	05/02/25 17:20	05/02/25 18:17

Batch QC

Type: Lab Control Sample	Lab ID: QC1254076	Batch: 370362
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254076 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	46.70	50.00	mg/L	93%		90-110

Type: Matrix Spike	Lab ID: QC1254098	Batch: 370362
Matrix (Source ID): Water (531753-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254098 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	104.6	3.483	100.0	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1254099	Batch: 370362
Matrix (Source ID): Water (531753-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254099 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	115.5	3.483	100.0	mg/L	112%		80-120	10	20	1

Type: Blank	Lab ID: QC1253257	Batch: 370128
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1253257 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		04/30/25	05/01/25

Type: Lab Control Sample	Lab ID: QC1253258	Batch: 370128
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1253258 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Suspended Solids	101.0	100.0	mg/L	101%		90-110

Type: Lab Control Sample Duplicate	Lab ID: QC1253259	Batch: 370128
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1253259 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Suspended Solids	100.1	100.0	mg/L	100%		90-110	1	5

Type: Sample Duplicate	Lab ID: QC1253260	Batch: 370128
Matrix (Source ID): Water (531472-004)	Method: SM2540D	Prep Method: METHOD

QC1253260 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,540	1300	mg/L		17*	5	1

Batch QC

Type: Sample Duplicate	Lab ID: QC1253261	Batch: 370128
Matrix (Source ID): Water (531472-005)	Method: SM2540D	Prep Method: METHOD

QC1253261 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,050	927.5	mg/L		12*	5	1

* Value is outside QC limits

ND Not Detected

NM Not Meaningful



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531817
Report Level : II
Report Date : 05/13/2025
Revision : 2 (See narrative)

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

Sample Summary

Kate Logan	Lab Job #:	531817
Waste Connections	Project No:	SW - APPENDIX II
Chiquita Canyon Landfill	Location:	SW - APPENDIX II
29201 Henry Mayo	Date Received:	04/26/25
Drive		
Castaic, CA 91384		

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531817-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531817-002	04/26/25 09:45	Water
TRIP BLANK	531817-003	04/26/25 00:00	Water

Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Kate Logan

Lab Job Number: 531817
Project No: SW - APPENDIX
II
Location: SW - APPENDIX
II
Date Received: 04/26/25

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.
- This report was revised on 05/13/25 to include sub contracted 8290 and 8141 data.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

- High responses were observed for 4-chloro-3-methylphenol, N-nitroso-di-n-propylamine, and phenol in the CCV analyzed 04/27/25 17:46; affected data was qualified with "b".
- Low recovery was observed for N-nitroso-di-n-propylamine in the matrix spike for batch 369835; the parent sample was not a project sample, and the BS/BSD were within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

No analytical problems were encountered.

Pesticides (EPA 8081A):

No analytical problems were encountered.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 200.8 and EPA 245.1):

- Tin was detected between the MDL and the RL in the method blank for batch 369931; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Total Phenolics (EPA 420.1):

No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

No analytical problems were encountered.

Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):

- Low recoveries were observed for cyanide in the MS/MSD for batch 370243; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for cyanide.
- No other analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):

Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

8151A Chlorinated Herbicides (EPA 8151A):

McC Campbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McC Campbell Analytical, Inc. case narrative.

Dioxins & Furans (EPA 8290):

Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.



ENTHALPY
ANALYTICAL

Chain of Custody Record

Lab No:

531817

Page:

1

of

4

Turn Around Time (rush by advanced notice only)

Standard:

5 Day:

3 Day:

2 Day:

1 Day:

Custom TAT:

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid

Water DW = Drinking Water SD = Sediment

PP = Pure Product SEA = Sea Water

SW = Swab T = Tissue WP = Wipe O = Other

W =

Preservatives:

Na₂S₂O₃ 2 = HCl 3 = HNO₃

4 = H₂SO₄ 5 = NaOH 6 = Other

1 =

Sample Receipt

(lab use only)

CUSTOMER INFORMATION

PROJECT INFORMATION

Analysis Request

Test Instructions / Comments

Company: CHIQUITA CANYON LANDFILL
Report To: KATE LOGAN
Email: Kate.Logan@Waste.Connections.com
Address: 29201 Henry Mayo Dr
Castic, Ca 91384
Phone: 682-559-3880
Fax:

LIMS Account: CTEH-CHIQUITA
LIMS Proj. Name: WC CHIQUITACANYON LF
Project #: Proj-037507
P.O. #: PO-4050-24-00351
Address: 29201 Henry Mayo Dr., Castaic, CA
Global ID:
Sampled By: CH ST

TOTAL METALS
8260 + APPENDIX II
RSK175 CO₂, 8620 ACROLEIN/ACRYLONITRILE
8260+ APPII, 8081/8082, 8184, 8551, 8290, 2, 3
CYANIDE
PHENOLS
SULFIDE

APPENDIX II

Email report to:

East 6.79
9.66

West 7.63
9.66

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 SOUTH BASIN WEST INLET	04/26/25	0915	W	17	6,2,4,1
2 SOUTH BASIN EAST INLET	04/26/25	0945	W	17	6,2,4,1
3					
4					
5					
6					
7					
8					
9					
10					



Login 531817



	Signature	Print Name	Company / Title	Date / Time
¹ Relinquished By:		Catelyn Henry	CTEH	4/26/2025 1355
¹ Received By:		JERBERT QUIJANA	EA-ORA	04/26/25 1355
² Relinquished By:				
² Received By:				
³ Relinquished By:				
³ Received By:				

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 04/26/25 WO# 531817 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody

Are custody seals present? ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☒ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 04/26/25 By (initials) JRQ

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 8.2 / 8.2 #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples

YES NO N/A

1) Were custody papers present, filled properly, and legible?

X

2) Is the sampler's name present on the CoC?

X

3) Were containers received in good condition (unbroken / unopened / uncompromised)?

X

4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)

X

5) Were all of, and only, the correct samples received?

X

6) Are sample labels present, legible, and in agreement with the CoC?

X

7) Does the container count match the CoC?

X

8) Was sufficient sample volume / mass received for the analyses requested?

X

9) Were samples received in proper containers for the analyses requested?

X

10) Were samples received with > 1/2 holding time remaining?

X

11) Are samples properly preserved as indicated by CoC / labels?

X

12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?

X

13) Are VOA vials free from headspace/bubbles > 6mm?

X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

4.13) SAMPLE 001 & 002 - 2 OF 3 HCL PRES. VOA VIALS W/ HEADSPACE > 6MM

☐ No additional discrepancies

Date Logged 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Date Labeled 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Analysis Results for 531817

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531817
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 04/26/25

Sample ID: SOUTH BASIN WEST INLET	Lab ID: 531817-001 Matrix: Water	Collected: 04/26/25 09:15
--	---	----------------------------------

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	0.59	B,J	ug/L	5.0	0.49	1	369931	04/28/25	04/29/25	KAM
Antimony	2.5		ug/L	2.0	0.31	1	369931	04/28/25	04/29/25	KAM
Arsenic	11		ug/L	2.0	0.22	1	369931	04/28/25	04/29/25	KAM
Barium	210		ug/L	5.0	0.46	1	369931	04/28/25	04/29/25	KAM
Beryllium	ND		ug/L	10	2.1	10	369931	04/28/25	04/30/25	KAM
Cadmium	0.79	J	ug/L	1.0	0.26	1	369931	04/28/25	04/29/25	KAM
Chromium	25		ug/L	5.0	0.34	1	369931	04/28/25	04/29/25	KAM
Cobalt	10		ug/L	1.0	0.074	1	369931	04/28/25	04/29/25	KAM
Copper	40		ug/L	3.0	2.0	1	369931	04/28/25	04/29/25	KAM
Lead	26		ug/L	5.0	0.16	1	369931	04/28/25	04/29/25	KAM
Nickel	22		ug/L	5.0	0.84	1	369931	04/28/25	04/29/25	KAM
Selenium	ND		ug/L	2.0	1.6	1	369931	04/28/25	04/29/25	KAM
Silver	ND		ug/L	5.0	0.51	1	369931	04/28/25	04/29/25	KAM
Thallium	0.21	J	ug/L	1.0	0.19	1	369931	04/28/25	04/29/25	KAM
Vanadium	43		ug/L	5.0	0.36	1	369931	04/28/25	04/29/25	KAM
Zinc	150		ug/L	10	7.4	1	369931	04/28/25	04/29/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	ND		ug/L	0.40	0.17	1	369869	04/28/25	04/28/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	ND		mg/L	0.010	0.0047	1	369886	04/28/25	04/28/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
beta-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
gamma-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
delta-BHC	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Heptachlor	ND		ug/L	0.05	0.01	0.91	369893	04/28/25	04/28/25	MES
Aldrin	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Endosulfan I	ND		ug/L	0.05	0.02	0.91	369893	04/28/25	04/28/25	MES
Dieldrin	ND		ug/L	0.09	0.01	0.91	369893	04/28/25	04/28/25	MES
4,4'-DDE	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endrin	ND		ug/L	0.09	0.01	0.91	369893	04/28/25	04/28/25	MES
Endosulfan II	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endosulfan sulfate	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
4,4'-DDD	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endrin aldehyde	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES
Endrin ketone	ND		ug/L	0.09	0.02	0.91	369893	04/28/25	04/28/25	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/L	0.09	0.03	0.91	369893	04/28/25	04/28/25	MES
Methoxychlor	ND		ug/L	0.09	0.06	0.91	369893	04/28/25	04/28/25	MES
Toxaphene	ND		ug/L	1.8	0.7	0.91	369893	04/28/25	04/28/25	MES
Chlordane (Technical)	ND		ug/L	0.9	0.2	0.91	369893	04/28/25	04/28/25	MES
Surrogates			Limits							
TCMX	76%		%REC	14-120		0.91	369893	04/28/25	04/28/25	MES
Decachlorobiphenyl	76%		%REC	20-120		0.91	369893	04/28/25	04/28/25	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.45	0.34	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1221	ND		ug/L	0.45	0.37	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1232	ND		ug/L	0.45	0.33	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1242	ND		ug/L	0.45	0.32	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1248	ND		ug/L	0.45	0.31	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1254	ND		ug/L	0.45	0.16	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1260	ND		ug/L	0.45	0.41	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1262	ND		ug/L	0.45	0.36	0.91	369893	04/28/25	04/28/25	MES
Aroclor-1268	ND		ug/L	0.45	0.23	0.91	369893	04/28/25	04/28/25	MES
Surrogates			Limits							
Decachlorobiphenyl (PCB)	88%		%REC	18-126		0.91	369893	04/28/25	04/28/25	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
Chloroprene	ND		ug/L	200	0.6	1	369844	04/27/25	04/27/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.3	1	369844	04/27/25	04/27/25	ZST
Ethanol	ND		ug/L	500	250	1	369844	04/27/25	04/27/25	ZST
2-Hexanone	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Isopropanol (IPA)	ND		ug/L	200	64	1	369844	04/27/25	04/27/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.2	1	369844	04/27/25	04/27/25	ZST
Vinyl Acetate	ND		ug/L	50	2.5	1	369844	04/27/25	04/27/25	ZST
Acrolein	ND		ug/L	200	2.2	1	369844	04/27/25	04/27/25	ZST
Acrylonitrile	ND		ug/L	10	0.7	1	369844	04/27/25	04/27/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	369844	04/27/25	04/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Iodomethane	ND		ug/L	5.8		1	369844	04/27/25	04/27/25	ZST
Acetone	ND		ug/L	100	44	1	369844	04/27/25	04/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Methylene Chloride	ND		ug/L	10	3.5	1	369844	04/27/25	04/27/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
2-Butanone	ND		ug/L	10	2.3	1	369844	04/27/25	04/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Benzene	ND		ug/L	1.0	0.1	1	369844	04/27/25	04/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	1	369844	04/27/25	04/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	369844	04/27/25	04/27/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
para-Isopropyl Toluene	0.3	J	ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369844	04/27/25	04/27/25	ZST
TIC:Furan	1.7	J	ug/L			1	369844	04/27/25	04/27/25	ZST

Surrogates
Limits

Results for any subcontracted analyses are not included in this section.

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromofluoromethane	103%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane-d4	101%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Toluene-d8	102%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Bromofluorobenzene	102%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	0.67	0.34	1.3	369948	04/29/25	04/30/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.67	0.32	1.3	369948	04/29/25	04/30/25	ZFA
Naphthalene	ND		ug/L	0.67	0.28	1.3	369948	04/29/25	04/30/25	ZFA
Acenaphthylene	ND		ug/L	0.67	0.31	1.3	369948	04/29/25	04/30/25	ZFA
Acenaphthene	ND		ug/L	0.67	0.29	1.3	369948	04/29/25	04/30/25	ZFA
Fluorene	ND		ug/L	0.67	0.31	1.3	369948	04/29/25	04/30/25	ZFA
Phenanthrene	ND		ug/L	0.67	0.27	1.3	369948	04/29/25	04/30/25	ZFA
Anthracene	ND		ug/L	0.67	0.31	1.3	369948	04/29/25	04/30/25	ZFA
Fluoranthene	ND		ug/L	0.67	0.26	1.3	369948	04/29/25	04/30/25	ZFA
Pyrene	ND		ug/L	0.67	0.25	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.67	0.17	1.3	369948	04/29/25	04/30/25	ZFA
Chrysene	ND		ug/L	0.67	0.23	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.67	0.16	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	0.67	0.20	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.67	0.19	1.3	369948	04/29/25	04/30/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.67	0.35	1.3	369948	04/29/25	04/30/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.67	0.35	1.3	369948	04/29/25	04/30/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.67	0.34	1.3	369948	04/29/25	04/30/25	ZFA

Surrogates

Limits

Nitrobenzene-d5	66%		%REC	16-125		1.3	369948	04/29/25	04/30/25	ZFA
2-Fluorobiphenyl	64%		%REC	17-120		1.3	369948	04/29/25	04/30/25	ZFA
Terphenyl-d14	87%		%REC	39-123		1.3	369948	04/29/25	04/30/25	ZFA

Method: EPA 8270C

Prep Method: EPA 3510C

Carbazole	ND		ug/L	33	6.3	3.3	369835	04/27/25	04/30/25	ZFA
Pyridine	ND		ug/L	33	5.7	3.3	369835	04/27/25	04/30/25	ZFA
N-Nitrosodimethylamine	ND		ug/L	33	9.4	3.3	369835	04/27/25	04/30/25	ZFA
Phenol	ND		ug/L	33	5.8	3.3	369835	04/27/25	04/30/25	ZFA
Aniline	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	83	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Chlorophenol	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
1,3-Dichlorobenzene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
1,4-Dichlorobenzene	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
Benzyl alcohol	ND		ug/L	83	17	3.3	369835	04/27/25	04/30/25	ZFA
1,2-Dichlorobenzene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Methylphenol	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
3-,4-Methylphenol	ND		ug/L	33	10	3.3	369835	04/27/25	04/30/25	ZFA
N-Nitroso-di-n-propylamine	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
Hexachloroethane	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Nitrobenzene	ND		ug/L	83	28	3.3	369835	04/27/25	04/30/25	ZFA
Isophorone	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
2-Nitrophenol	ND		ug/L	33	15	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dimethylphenol	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Benzoic acid	42	J	ug/L	170	25	3.3	369835	04/27/25	04/30/25	ZFA

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
bis(2-Chloroethoxy)methane	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dichlorophenol	ND		ug/L	33	15	3.3	369835	04/27/25	04/30/25	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	33	14	3.3	369835	04/27/25	04/30/25	ZFA
Naphthalene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
4-Chloroaniline	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Hexachlorobutadiene	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
4-Chloro-3-methylphenol	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Methylnaphthalene	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Hexachlorocyclopentadiene	ND		ug/L	83	34	3.3	369835	04/27/25	04/30/25	ZFA
2,4,6-Trichlorophenol	ND		ug/L	33	15	3.3	369835	04/27/25	04/30/25	ZFA
2,4,5-Trichlorophenol	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Chloronaphthalene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
2-Nitroaniline	ND		ug/L	170	11	3.3	369835	04/27/25	04/30/25	ZFA
Dimethylphthalate	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
Acenaphthylene	ND		ug/L	33	16	3.3	369835	04/27/25	04/30/25	ZFA
2,6-Dinitrotoluene	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
3-Nitroaniline	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Acenaphthene	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dinitrophenol	ND		ug/L	170	26	3.3	369835	04/27/25	04/30/25	ZFA
4-Nitrophenol	ND		ug/L	170	19	3.3	369835	04/27/25	04/30/25	ZFA
Dibenzofuran	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
2,4-Dinitrotoluene	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
Diethylphthalate	ND		ug/L	33	10	3.3	369835	04/27/25	04/30/25	ZFA
Fluorene	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
4-Nitroaniline	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	170	43	3.3	369835	04/27/25	04/30/25	ZFA
N-Nitrosodiphenylamine	ND		ug/L	33	19	3.3	369835	04/27/25	04/30/25	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
4-Bromophenyl-phenylether	ND		ug/L	33	13	3.3	369835	04/27/25	04/30/25	ZFA
Hexachlorobenzene	ND		ug/L	33	12	3.3	369835	04/27/25	04/30/25	ZFA
Pentachlorophenol	ND		ug/L	83	11	3.3	369835	04/27/25	04/30/25	ZFA
Phenanthrene	ND		ug/L	33	9.0	3.3	369835	04/27/25	04/30/25	ZFA
Anthracene	ND		ug/L	33	8.8	3.3	369835	04/27/25	04/30/25	ZFA
Di-n-butylphthalate	ND		ug/L	33	5.8	3.3	369835	04/27/25	04/30/25	ZFA
Fluoranthene	ND		ug/L	33	5.4	3.3	369835	04/27/25	04/30/25	ZFA
Benzidine	ND		ug/L	170	48	3.3	369835	04/27/25	04/30/25	ZFA
Pyrene	ND		ug/L	33	6.3	3.3	369835	04/27/25	04/30/25	ZFA
Butylbenzylphthalate	ND		ug/L	33	7.2	3.3	369835	04/27/25	04/30/25	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	83	12	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(a)anthracene	ND		ug/L	33	3.3	3.3	369835	04/27/25	04/30/25	ZFA
Chrysene	ND		ug/L	33	4.1	3.3	369835	04/27/25	04/30/25	ZFA
bis(2-Ethylhexyl)phthalate	ND		ug/L	33	11	3.3	369835	04/27/25	04/30/25	ZFA
Di-n-octylphthalate	ND		ug/L	33	4.2	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	33	4.0	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	33	4.6	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(a)pyrene	ND		ug/L	33	4.7	3.3	369835	04/27/25	04/30/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	33	4.0	3.3	369835	04/27/25	04/30/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	33	4.9	3.3	369835	04/27/25	04/30/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	33	5.0	3.3	369835	04/27/25	04/30/25	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA

Analysis Results for 531817

531817-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:3,3'-Dimethylbenzidine	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Acetonitrile	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Acetophenone	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Chlorobenzilate	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Diallate	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:Thionazin	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			3.3	369835	04/27/25	04/30/25	ZFA
Surrogates			Limits							
2-Fluorophenol	38%		%REC	10-140		3.3	369835	04/27/25	04/30/25	ZFA
Phenol-d6	26%		%REC	10-140		3.3	369835	04/27/25	04/30/25	ZFA
2,4,6-Tribromophenol	85%		%REC	12-140		3.3	369835	04/27/25	04/30/25	ZFA
Nitrobenzene-d5	63%		%REC	10-140		3.3	369835	04/27/25	04/30/25	ZFA
2-Fluorobiphenyl	62%		%REC	11-140		3.3	369835	04/27/25	04/30/25	ZFA
Terphenyl-d14	76%		%REC	20-140		3.3	369835	04/27/25	04/30/25	ZFA
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	0.0051		mg/L	0.0050	0.0021	0.5	370243	05/01/25	05/01/25	DAD
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA

Analysis Results for 531817

Sample ID: SOUTH BASIN EAST INLET	Lab ID: 531817-002 Matrix: Water	Collected: 04/26/25 09:45
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531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.8 Prep Method: EPA 3015A										
Tin	ND		ug/L	5.0	0.49	1	369931	04/28/25	04/29/25	KAM
Antimony	1.6	J	ug/L	2.0	0.31	1	369931	04/28/25	04/29/25	KAM
Arsenic	49		ug/L	2.0	0.22	1	369931	04/28/25	04/29/25	KAM
Barium	2,500		ug/L	250	23	50	369931	04/28/25	04/29/25	KAM
Beryllium	11		ug/L	10	2.1	10	369931	04/28/25	04/30/25	KAM
Cadmium	8.7		ug/L	1.0	0.26	1	369931	04/28/25	04/29/25	KAM
Chromium	160		ug/L	5.0	0.34	1	369931	04/28/25	04/29/25	KAM
Cobalt	120		ug/L	1.0	0.074	1	369931	04/28/25	04/29/25	KAM
Copper	410		ug/L	3.0	2.0	1	369931	04/28/25	04/29/25	KAM
Lead	380		ug/L	5.0	0.16	1	369931	04/28/25	04/29/25	KAM
Nickel	210		ug/L	5.0	0.84	1	369931	04/28/25	04/29/25	KAM
Selenium	25		ug/L	2.0	1.6	1	369931	04/28/25	04/29/25	KAM
Silver	2.8	J	ug/L	5.0	0.51	1	369931	04/28/25	04/29/25	KAM
Thallium	0.66	J	ug/L	1.0	0.19	1	369931	04/28/25	04/29/25	KAM
Vanadium	260		ug/L	5.0	0.36	1	369931	04/28/25	04/29/25	KAM
Zinc	1,800		ug/L	10	7.4	1	369931	04/28/25	04/29/25	KAM
Method: EPA 245.1 Prep Method: EPA 245.1										
Mercury	4.5		ug/L	0.40	0.17	1	369869	04/28/25	04/28/25	MLL
Method: EPA 420.1 Prep Method: METHOD										
Total Phenolics	ND		mg/L	0.011	0.0052	1.1	369886	04/28/25	04/28/25	LVL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
beta-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
gamma-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
delta-BHC	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Heptachlor	ND		ug/L	0.05	0.01	0.96	369893	04/28/25	04/28/25	MES
Aldrin	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Endosulfan I	ND		ug/L	0.05	0.02	0.96	369893	04/28/25	04/28/25	MES
Dieldrin	ND		ug/L	0.1	0.01	0.96	369893	04/28/25	04/28/25	MES
4,4'-DDE	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endrin	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endosulfan II	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endosulfan sulfate	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
4,4'-DDD	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
Endrin aldehyde	ND		ug/L	0.1	0.03	0.96	369893	04/28/25	04/28/25	MES
Endrin ketone	ND		ug/L	0.1	0.02	0.96	369893	04/28/25	04/28/25	MES
4,4'-DDT	ND		ug/L	0.1	0.04	0.96	369893	04/28/25	04/28/25	MES
Methoxychlor	ND		ug/L	0.1	0.06	0.96	369893	04/28/25	04/28/25	MES
Toxaphene	ND		ug/L	1.9	0.8	0.96	369893	04/28/25	04/28/25	MES
Chlordane (Technical)	ND		ug/L	1.0	0.2	0.96	369893	04/28/25	04/28/25	MES
Surrogates	Limits									

Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TCMX	91%		%REC	14-120		0.96	369893	04/28/25	04/28/25	MES
Decachlorobiphenyl	71%		%REC	20-120		0.96	369893	04/28/25	04/28/25	MES

Method: EPA 8082

Prep Method: EPA 3510C

Aroclor-1016	ND		ug/L	0.48	0.36	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1221	ND		ug/L	0.48	0.39	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1232	ND		ug/L	0.48	0.34	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1242	ND		ug/L	0.48	0.33	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1248	ND		ug/L	0.48	0.33	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1254	ND		ug/L	0.48	0.17	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1260	ND		ug/L	0.48	0.43	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1262	ND		ug/L	0.48	0.38	0.96	369893	04/28/25	04/28/25	MES
Aroclor-1268	ND		ug/L	0.48	0.24	0.96	369893	04/28/25	04/28/25	MES

Surrogates

Limits

Decachlorobiphenyl (PCB)	81%		%REC	18-126		0.96	369893	04/28/25	04/28/25	MES
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Method: EPA 8260B

Prep Method: EPA 5030B

Carbon Disulfide	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
Chloroprene	ND		ug/L	200	0.6	1	369844	04/27/25	04/27/25	ZST
3-Chloropropene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Ethyl methacrylate	ND		ug/L	50	1.3	1	369844	04/27/25	04/27/25	ZST
Ethanol	ND		ug/L	500	250	1	369844	04/27/25	04/27/25	ZST
2-Hexanone	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Isopropanol (IPA)	ND		ug/L	200	64	1	369844	04/27/25	04/27/25	ZST
Methyl acrylonitrile	ND		ug/L	35	2.2	1	369844	04/27/25	04/27/25	ZST
Vinyl Acetate	ND		ug/L	50	2.5	1	369844	04/27/25	04/27/25	ZST
Acrolein	ND		ug/L	200	2.2	1	369844	04/27/25	04/27/25	ZST
Acrylonitrile	ND		ug/L	10	0.7	1	369844	04/27/25	04/27/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	369844	04/27/25	04/27/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroethane	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Iodomethane	ND		ug/L	5.8		1	369844	04/27/25	04/27/25	ZST
Acetone	ND		ug/L	100	44	1	369844	04/27/25	04/27/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Methylene Chloride	ND		ug/L	10	3.5	1	369844	04/27/25	04/27/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
2-Butanone	ND		ug/L	10	2.3	1	369844	04/27/25	04/27/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST

Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	1.0	0.1	1	369844	04/27/25	04/27/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	1	369844	04/27/25	04/27/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Toluene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.07	1	369844	04/27/25	04/27/25	ZST
m,p-Xylenes	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
o-Xylene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Styrene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Propylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.08	1	369844	04/27/25	04/27/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
para-Isopropyl Toluene	0.3	J	ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	369844	04/27/25	04/27/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	1	369844	04/27/25	04/27/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	369844	04/27/25	04/27/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.09	1	369844	04/27/25	04/27/25	ZST
Naphthalene	ND		ug/L	5.0	0.5	1	369844	04/27/25	04/27/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	369844	04/27/25	04/27/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	1	369844	04/27/25	04/27/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	1	369844	04/27/25	04/27/25	ZST
Xylene (total)	ND		ug/L	5.0		1	369844	04/27/25	04/27/25	ZST
TIC:	ND					1	369844	04/27/25	04/27/25	ZST
Surrogates				Limits						
Dibromofluoromethane	107%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
1,2-Dichloroethane-d4	107%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Toluene-d8	98%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	369844	04/27/25	04/27/25	ZST

Analysis Results for 531817

531817-002 Analyte Result Qual Units RL MDL DF Batch Prepared Analyzed Chemist

Method: EPA 8270C-SIM
Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	0.53	0.27	1.1	369948	04/29/25	04/30/25	ZFA
2-Methylnaphthalene	ND		ug/L	0.53	0.26	1.1	369948	04/29/25	04/30/25	ZFA
Naphthalene	ND		ug/L	0.53	0.22	1.1	369948	04/29/25	04/30/25	ZFA
Acenaphthylene	ND		ug/L	0.53	0.25	1.1	369948	04/29/25	04/30/25	ZFA
Acenaphthene	ND		ug/L	0.53	0.23	1.1	369948	04/29/25	04/30/25	ZFA
Fluorene	ND		ug/L	0.53	0.25	1.1	369948	04/29/25	04/30/25	ZFA
Phenanthrene	ND		ug/L	0.53	0.21	1.1	369948	04/29/25	04/30/25	ZFA
Anthracene	ND		ug/L	0.53	0.25	1.1	369948	04/29/25	04/30/25	ZFA
Fluoranthene	ND		ug/L	0.53	0.20	1.1	369948	04/29/25	04/30/25	ZFA
Pyrene	ND		ug/L	0.53	0.20	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(a)anthracene	ND		ug/L	0.53	0.14	1.1	369948	04/29/25	04/30/25	ZFA
Chrysene	ND		ug/L	0.53	0.18	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(b)fluoranthene	ND		ug/L	0.53	0.12	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(k)fluoranthene	ND		ug/L	0.53	0.16	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(a)pyrene	ND		ug/L	0.53	0.15	1.1	369948	04/29/25	04/30/25	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.53	0.28	1.1	369948	04/29/25	04/30/25	ZFA
Dibenz(a,h)anthracene	ND		ug/L	0.53	0.28	1.1	369948	04/29/25	04/30/25	ZFA
Benzo(g,h,i)perylene	ND		ug/L	0.53	0.27	1.1	369948	04/29/25	04/30/25	ZFA

Surrogates

Limits

Nitrobenzene-d5	71%	%REC	16-125			1.1	369948	04/29/25	04/30/25	ZFA
2-Fluorobiphenyl	71%	%REC	17-120			1.1	369948	04/29/25	04/30/25	ZFA
Terphenyl-d14	91%	%REC	39-123			1.1	369948	04/29/25	04/30/25	ZFA

Method: EPA 8270C
Prep Method: EPA 3510C

Carbazole	ND		ug/L	500	94	50	370314	05/02/25	05/03/25	TJW
Pyridine	ND		ug/L	500	85	50	370314	05/02/25	05/03/25	TJW
N-Nitrosodimethylamine	ND		ug/L	500	140	50	370314	05/02/25	05/03/25	TJW
Phenol	ND		ug/L	500	87	50	370314	05/02/25	05/03/25	TJW
Aniline	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
bis(2-Chloroethyl)ether	ND		ug/L	1,300	200	50	370314	05/02/25	05/03/25	TJW
2-Chlorophenol	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
1,3-Dichlorobenzene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
1,4-Dichlorobenzene	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
Benzyl alcohol	ND		ug/L	1,300	260	50	370314	05/02/25	05/03/25	TJW
1,2-Dichlorobenzene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2-Methylphenol	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
bis(2-Chloroisopropyl) ether	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
3-,4-Methylphenol	ND		ug/L	500	150	50	370314	05/02/25	05/03/25	TJW
N-Nitroso-di-n-propylamine	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
Hexachloroethane	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
Nitrobenzene	ND		ug/L	1,300	420	50	370314	05/02/25	05/03/25	TJW
Isophorone	ND		ug/L	500	210	50	370314	05/02/25	05/03/25	TJW
2-Nitrophenol	ND		ug/L	500	230	50	370314	05/02/25	05/03/25	TJW
2,4-Dimethylphenol	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
Benzoic acid	ND		ug/L	2,500	380	50	370314	05/02/25	05/03/25	TJW
bis(2-Chloroethoxy)methane	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2,4-Dichlorophenol	ND		ug/L	500	220	50	370314	05/02/25	05/03/25	TJW
1,2,4-Trichlorobenzene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
Naphthalene	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW

Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Chloroaniline	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Hexachlorobutadiene	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
4-Chloro-3-methylphenol	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2-Methylnaphthalene	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Hexachlorocyclopentadiene	ND		ug/L	1,300	510	50	370314	05/02/25	05/03/25	TJW
2,4,6-Trichlorophenol	ND		ug/L	500	220	50	370314	05/02/25	05/03/25	TJW
2,4,5-Trichlorophenol	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
2-Chloronaphthalene	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
2-Nitroaniline	ND		ug/L	2,500	170	50	370314	05/02/25	05/03/25	TJW
Dimethylphthalate	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
Acenaphthylene	ND		ug/L	500	240	50	370314	05/02/25	05/03/25	TJW
2,6-Dinitrotoluene	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
3-Nitroaniline	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Acenaphthene	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
2,4-Dinitrophenol	ND		ug/L	2,500	380	50	370314	05/02/25	05/03/25	TJW
4-Nitrophenol	ND		ug/L	2,500	280	50	370314	05/02/25	05/03/25	TJW
Dibenzofuran	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
2,4-Dinitrotoluene	ND		ug/L	500	170	50	370314	05/02/25	05/03/25	TJW
Diethylphthalate	ND		ug/L	500	150	50	370314	05/02/25	05/03/25	TJW
Fluorene	ND		ug/L	500	170	50	370314	05/02/25	05/03/25	TJW
4-Chlorophenyl-phenylether	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
4-Nitroaniline	ND		ug/L	500	160	50	370314	05/02/25	05/03/25	TJW
4,6-Dinitro-2-methylphenol	ND		ug/L	2,500	640	50	370314	05/02/25	05/03/25	TJW
N-Nitrosodiphenylamine	ND		ug/L	500	290	50	370314	05/02/25	05/03/25	TJW
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	500	190	50	370314	05/02/25	05/03/25	TJW
4-Bromophenyl-phenylether	ND		ug/L	500	200	50	370314	05/02/25	05/03/25	TJW
Hexachlorobenzene	ND		ug/L	500	180	50	370314	05/02/25	05/03/25	TJW
Pentachlorophenol	ND		ug/L	1,300	160	50	370314	05/02/25	05/03/25	TJW
Phenanthrene	ND		ug/L	500	130	50	370314	05/02/25	05/03/25	TJW
Anthracene	ND		ug/L	500	130	50	370314	05/02/25	05/03/25	TJW
Di-n-butylphthalate	ND		ug/L	500	87	50	370314	05/02/25	05/03/25	TJW
Fluoranthene	ND		ug/L	500	81	50	370314	05/02/25	05/03/25	TJW
Benzidine	ND		ug/L	2,500	720	50	370314	05/02/25	05/03/25	TJW
Pyrene	ND		ug/L	500	94	50	370314	05/02/25	05/03/25	TJW
Butylbenzylphthalate	ND		ug/L	500	110	50	370314	05/02/25	05/03/25	TJW
3,3'-Dichlorobenzidine	ND		ug/L	1,300	170	50	370314	05/02/25	05/03/25	TJW
Benzo(a)anthracene	ND		ug/L	500	49	50	370314	05/02/25	05/03/25	TJW
Chrysene	ND		ug/L	500	62	50	370314	05/02/25	05/03/25	TJW
bis(2-Ethylhexyl)phthalate	ND		ug/L	500	170	50	370314	05/02/25	05/03/25	TJW
Di-n-octylphthalate	ND		ug/L	500	63	50	370314	05/02/25	05/03/25	TJW
Benzo(b)fluoranthene	ND		ug/L	500	60	50	370314	05/02/25	05/03/25	TJW
Benzo(k)fluoranthene	ND		ug/L	500	69	50	370314	05/02/25	05/03/25	TJW
Benzo(a)pyrene	ND		ug/L	500	70	50	370314	05/02/25	05/03/25	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	500	59	50	370314	05/02/25	05/03/25	TJW
Dibenz(a,h)anthracene	ND		ug/L	500	73	50	370314	05/02/25	05/03/25	TJW
Benzo(g,h,i)perylene	ND		ug/L	500	74	50	370314	05/02/25	05/03/25	TJW
TIC:2,6-Dichlorophenol	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:2-Acetylaminofluorene	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:3,3'-Dimethylbenzidine	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:4-Aminobiphenyl	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Acetonitrile	ND		ug/L			50	370314	05/02/25	05/03/25	TJW

Analysis Results for 531817

531817-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
TIC:Acetophenone	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Chlorobenzilate	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Diallate	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:Thionazin	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:a,a-Dimethylphenethylamine	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			50	370314	05/02/25	05/03/25	TJW
Surrogates			Limits							
2-Fluorophenol	33%		%REC	10-140		50	370314	05/02/25	05/03/25	TJW
Phenol-d6	26%		%REC	10-140		50	370314	05/02/25	05/03/25	TJW
2,4,6-Tribromophenol	62%		%REC	12-140		50	370314	05/02/25	05/03/25	TJW
Nitrobenzene-d5	45%		%REC	10-140		50	370314	05/02/25	05/03/25	TJW
2-Fluorobiphenyl	53%		%REC	11-140		50	370314	05/02/25	05/03/25	TJW
Terphenyl-d14	59%		%REC	20-140		50	370314	05/02/25	05/03/25	TJW
Method: SM 4500-CN-E										
Prep Method: METHOD										
Cyanide	0.0054		mg/L	0.0050	0.0021	0.5	370243	05/01/25	05/01/25	DAD
Method: SM 4500-S2-D										
Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	369874	04/28/25	04/28/25	DXA

B Contamination found in associated Method Blank
 J Estimated value
 ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1252604	Batch: 369931
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252604 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	0.49	J	ug/L	5.0	0.49	04/28/25	04/28/25
Antimony	ND		ug/L	2.0	0.31	04/28/25	04/28/25
Arsenic	ND		ug/L	2.0	0.22	04/28/25	04/28/25
Barium	ND		ug/L	5.0	0.46	04/28/25	04/28/25
Beryllium	ND		ug/L	1.0	0.076	04/28/25	04/29/25
Cadmium	ND		ug/L	1.0	0.26	04/28/25	04/28/25
Chromium	ND		ug/L	5.0	0.34	04/28/25	04/28/25
Cobalt	ND		ug/L	1.0	0.074	04/28/25	04/28/25
Copper	ND		ug/L	3.0	2.0	04/28/25	04/28/25
Lead	ND		ug/L	5.0	0.16	04/28/25	04/28/25
Nickel	ND		ug/L	5.0	0.84	04/28/25	04/28/25
Selenium	ND		ug/L	2.0	1.6	04/28/25	04/28/25
Silver	ND		ug/L	5.0	0.51	04/28/25	04/29/25
Thallium	ND		ug/L	1.0	0.19	04/28/25	04/28/25
Vanadium	ND		ug/L	5.0	0.36	04/28/25	04/28/25
Zinc	ND		ug/L	10	7.4	04/28/25	04/28/25

Type: Lab Control Sample	Lab ID: QC1252605	Batch: 369931
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252605 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	96.21	100.0	ug/L	96%		85-115
Antimony	101.7	100.0	ug/L	102%		85-115
Arsenic	96.60	100.0	ug/L	97%		85-115
Barium	91.29	100.0	ug/L	91%		85-115
Beryllium	99.22	100.0	ug/L	99%		85-115
Cadmium	89.09	100.0	ug/L	89%		85-115
Chromium	98.73	100.0	ug/L	99%		85-115
Cobalt	104.3	100.0	ug/L	104%		85-115
Copper	102.0	100.0	ug/L	102%		85-115
Lead	90.98	100.0	ug/L	91%		85-115
Nickel	103.2	100.0	ug/L	103%		85-115
Selenium	94.70	100.0	ug/L	95%		85-115
Silver	49.64	50.00	ug/L	99%		85-115
Thallium	90.56	100.0	ug/L	91%		85-115
Vanadium	98.16	100.0	ug/L	98%		85-115
Zinc	100.3	100.0	ug/L	100%		85-115

Batch QC

Type: Matrix Spike	Lab ID: QC1252606	Batch: 369931
Matrix (Source ID): Water (531729-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	99.44	6.044	100.0	ug/L	93%		70-130	1
Antimony	104.7	1.567	100.0	ug/L	103%		70-130	1
Arsenic	101.0	2.588	100.0	ug/L	98%		70-130	1
Barium	124.2	31.14	100.0	ug/L	93%		70-130	1
Beryllium	88.70	ND	100.0	ug/L	89%		70-130	25
Cadmium	87.02	ND	100.0	ug/L	87%		70-130	1
Chromium	95.59	3.330	100.0	ug/L	92%		70-130	1
Cobalt	97.64	0.8905	100.0	ug/L	97%		70-130	1
Copper	108.7	17.87	100.0	ug/L	91%		70-130	1
Lead	92.89	0.8922	100.0	ug/L	92%		70-130	1
Nickel	98.17	5.413	100.0	ug/L	93%		70-130	1
Selenium	92.43	ND	100.0	ug/L	92%		70-130	1
Silver	48.77	ND	50.00	ug/L	98%		70-130	25
Thallium	91.23	ND	100.0	ug/L	91%		70-130	1
Vanadium	101.0	2.484	100.0	ug/L	99%		70-130	1
Zinc	1,635	1579	100.0	ug/L	56%	NM	70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1252607	Batch: 369931
Matrix (Source ID): Water (531729-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252607 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	97.61	6.044	100.0	ug/L	92%		70-130	2	20	1
Antimony	106.2	1.567	100.0	ug/L	105%		70-130	1	20	1
Arsenic	97.99	2.588	100.0	ug/L	95%		70-130	3	20	1
Barium	125.4	31.14	100.0	ug/L	94%		70-130	1	20	1
Beryllium	91.83	ND	100.0	ug/L	92%		70-130	3	20	25
Cadmium	89.37	ND	100.0	ug/L	89%		70-130	3	20	1
Chromium	93.33	3.330	100.0	ug/L	90%		70-130	2	20	1
Cobalt	95.17	0.8905	100.0	ug/L	94%		70-130	3	20	1
Copper	107.1	17.87	100.0	ug/L	89%		70-130	1	20	1
Lead	90.88	0.8922	100.0	ug/L	90%		70-130	2	20	1
Nickel	95.40	5.413	100.0	ug/L	90%		70-130	3	20	1
Selenium	91.51	ND	100.0	ug/L	92%		70-130	1	20	1
Silver	49.37	ND	50.00	ug/L	99%		70-130	1	20	25
Thallium	89.05	ND	100.0	ug/L	89%		70-130	2	20	1
Vanadium	98.68	2.484	100.0	ug/L	96%		70-130	2	20	1
Zinc	1,619	1579	100.0	ug/L	40%	NM	70-130	1	20	1

Batch QC

Type: Matrix Spike	Lab ID: QC1252608	Batch: 369931
Matrix (Source ID): Water (531776-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252608 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	97.16	ND	100.0	ug/L	97%		70-130	1
Antimony	91.84	0.3121	100.0	ug/L	92%		70-130	1
Arsenic	94.24	ND	100.0	ug/L	94%		70-130	1
Barium	104.2	ND	100.0	ug/L	104%		70-130	25
Beryllium	96.54	ND	100.0	ug/L	97%		70-130	25
Cadmium	102.8	ND	100.0	ug/L	103%		70-130	25
Chromium	96.79	ND	100.0	ug/L	97%		70-130	1
Cobalt	103.3	ND	100.0	ug/L	103%		70-130	1
Copper	101.1	ND	100.0	ug/L	101%		70-130	1
Lead	94.05	ND	100.0	ug/L	94%		70-130	1
Nickel	101.5	ND	100.0	ug/L	101%		70-130	1
Selenium	88.80	ND	100.0	ug/L	89%		70-130	1
Silver	51.21	ND	50.00	ug/L	102%		70-130	25
Thallium	92.96	ND	100.0	ug/L	93%		70-130	1
Vanadium	97.00	ND	100.0	ug/L	97%		70-130	1
Zinc	100.7	ND	100.0	ug/L	101%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1252609	Batch: 369931
Matrix (Source ID): Water (531776-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252609 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	95.81	ND	100.0	ug/L	96%		70-130	1	20	1
Antimony	99.47	0.3121	100.0	ug/L	99%		70-130	8	20	1
Arsenic	91.34	ND	100.0	ug/L	91%		70-130	3	20	1
Barium	107.3	ND	100.0	ug/L	107%		70-130	3	20	25
Beryllium	97.62	ND	100.0	ug/L	98%		70-130	1	20	25
Cadmium	103.3	ND	100.0	ug/L	103%		70-130	0	20	25
Chromium	94.45	ND	100.0	ug/L	94%		70-130	2	20	1
Cobalt	99.92	ND	100.0	ug/L	100%		70-130	3	20	1
Copper	97.68	ND	100.0	ug/L	98%		70-130	3	20	1
Lead	92.04	ND	100.0	ug/L	92%		70-130	2	20	1
Nickel	97.33	ND	100.0	ug/L	97%		70-130	4	20	1
Selenium	87.95	ND	100.0	ug/L	88%		70-130	1	20	1
Silver	52.44	ND	50.00	ug/L	105%		70-130	2	20	25
Thallium	91.69	ND	100.0	ug/L	92%		70-130	1	20	1
Vanadium	94.52	ND	100.0	ug/L	95%		70-130	3	20	1
Zinc	95.75	ND	100.0	ug/L	96%		70-130	5	20	1

Type: Blank	Lab ID: QC1252399	Batch: 369869
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1252399 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	04/28/25	04/28/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1252400	Batch: 369869
Matrix: Water	Method: EPA 245.1	Prep Method: EPA 245.1

QC1252400 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.020	5.000	ug/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1252401	Batch: 369869
Matrix (Source ID): Water (531823-004)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1252401 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1,006	ND	1000	ug/L	101%		75-125	200

Type: Matrix Spike Duplicate	Lab ID: QC1252402	Batch: 369869
Matrix (Source ID): Water (531823-004)	Method: EPA 245.1	Prep Method: EPA 245.1

QC1252402 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Mercury	997.9	ND	1000	ug/L	100%		75-125	1	20	200

Type: Blank	Lab ID: QC1252445	Batch: 369886
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1252445 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Phenolics	ND		mg/L	0.010	0.0047	04/28/25	04/28/25

Type: Lab Control Sample	Lab ID: QC1252543	Batch: 369886
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1252543 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phenolics	0.08100	0.08000	mg/L	101%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1252544	Batch: 369886
Matrix: Water	Method: EPA 420.1	Prep Method: METHOD

QC1252544 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim
Total Phenolics	0.08500	0.08000	mg/L	106%		80-120	5	20

Batch QC

Type: Blank
Matrix: Water

Lab ID: QC1252461

Batch: 369893

QC1252461 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
beta-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
gamma-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
delta-BHC	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Heptachlor	ND		ug/L	0.05	0.01	04/28/25	04/28/25
Aldrin	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Endosulfan I	ND		ug/L	0.05	0.02	04/28/25	04/28/25
Dieldrin	ND		ug/L	0.1	0.01	04/28/25	04/28/25
4,4'-DDE	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endrin	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endosulfan II	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	04/28/25	04/28/25
4,4'-DDD	ND		ug/L	0.1	0.02	04/28/25	04/28/25
Endrin aldehyde	ND		ug/L	0.1	0.03	04/28/25	04/28/25
Endrin ketone	ND		ug/L	0.1	0.03	04/28/25	04/28/25
4,4'-DDT	ND		ug/L	0.1	0.04	04/28/25	04/28/25
Methoxychlor	ND		ug/L	0.1	0.06	04/28/25	04/28/25
Toxaphene	ND		ug/L	2.0	0.8	04/28/25	04/28/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	04/28/25	04/28/25
Surrogates				Limits			
TCMX	71%		%REC	14-120		04/28/25	04/28/25
Decachlorobiphenyl	85%		%REC	20-120		04/28/25	04/28/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	04/28/25	04/28/25
Aroclor-1221	ND		ug/L	0.50	0.41	04/28/25	04/28/25
Aroclor-1232	ND		ug/L	0.50	0.36	04/28/25	04/28/25
Aroclor-1242	ND		ug/L	0.50	0.35	04/28/25	04/28/25
Aroclor-1248	ND		ug/L	0.50	0.34	04/28/25	04/28/25
Aroclor-1254	ND		ug/L	0.50	0.18	04/28/25	04/28/25
Aroclor-1260	ND		ug/L	0.50	0.45	04/28/25	04/28/25
Aroclor-1262	ND		ug/L	0.50	0.39	04/28/25	04/28/25
Aroclor-1268	ND		ug/L	0.50	0.25	04/28/25	04/28/25
Surrogates				Limits			
Decachlorobiphenyl (PCB)	93%		%REC	18-126		04/28/25	04/28/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1252462	Batch: 369893
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1252462 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.4219	0.5000	ug/L	84%		53-120
beta-BHC	0.4303	0.5000	ug/L	86%		59-120
gamma-BHC	0.4536	0.5000	ug/L	91%		54-120
delta-BHC	0.4432	0.5000	ug/L	89%		58-120
Heptachlor	0.4277	0.5000	ug/L	86%		49-120
Aldrin	0.3629	0.5000	ug/L	73%		47-120
Heptachlor epoxide	0.4066	0.5000	ug/L	81%		53-120
Endosulfan I	0.4030	0.5000	ug/L	81%		56-120
Dieldrin	0.4101	0.5000	ug/L	82%		55-120
4,4'-DDE	0.4126	0.5000	ug/L	83%		55-120
Endrin	0.4561	0.5000	ug/L	91%	#	57-120
Endosulfan II	0.4273	0.5000	ug/L	85%		58-120
Endosulfan sulfate	0.4137	0.5000	ug/L	83%		56-120
4,4'-DDD	0.3930	0.5000	ug/L	79%		53-120
Endrin aldehyde	0.3767	0.5000	ug/L	75%		45-120
Endrin ketone	0.4520	0.5000	ug/L	90%		61-120
4,4'-DDT	0.4504	0.5000	ug/L	90%		58-120
Methoxychlor	0.4665	0.5000	ug/L	93%		54-120
Surrogates						
TCMX	0.3886	0.5000	ug/L	78%		14-120
Decachlorobiphenyl	0.4122	0.5000	ug/L	82%		20-120

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1252463	Batch: 369893
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1252463 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4289	0.5000	ug/L	86%		53-120	2	20
beta-BHC	0.4402	0.5000	ug/L	88%		59-120	2	20
gamma-BHC	0.4615	0.5000	ug/L	92%		54-120	2	20
delta-BHC	0.4600	0.5000	ug/L	92%		58-120	4	20
Heptachlor	0.4274	0.5000	ug/L	85%		49-120	0	20
Aldrin	0.3741	0.5000	ug/L	75%		47-120	3	20
Heptachlor epoxide	0.4195	0.5000	ug/L	84%		53-120	3	20
Endosulfan I	0.4296	0.5000	ug/L	86%		56-120	6	20
Dieldrin	0.4308	0.5000	ug/L	86%		55-120	5	20
4,4'-DDE	0.4293	0.5000	ug/L	86%		55-120	4	20
Endrin	0.4741	0.5000	ug/L	95%	#	57-120	4	20
Endosulfan II	0.4454	0.5000	ug/L	89%		58-120	4	20
Endosulfan sulfate	0.4336	0.5000	ug/L	87%		56-120	5	20
4,4'-DDD	0.4150	0.5000	ug/L	83%		53-120	5	20
Endrin aldehyde	0.4053	0.5000	ug/L	81%		45-120	7	20
Endrin ketone	0.4753	0.5000	ug/L	95%		61-120	5	20
4,4'-DDT	0.4729	0.5000	ug/L	95%		58-120	5	20
Methoxychlor	0.4867	0.5000	ug/L	97%		54-120	4	20
Surrogates								
TCMX	0.3974	0.5000	ug/L	79%		14-120		
Decachlorobiphenyl	0.4364	0.5000	ug/L	87%		20-120		

Type: Lab Control Sample	Lab ID: QC1252464	Batch: 369893
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1252464 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	6.095	5.000	ug/L	122%		36-143
Aroclor-1260	6.129	5.000	ug/L	123%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.5363	0.5000	ug/L	107%		18-126

Type: Lab Control Sample Duplicate	Lab ID: QC1252465	Batch: 369893
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1252465 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.466	5.000	ug/L	109%		36-143	11	39
Aroclor-1260	5.629	5.000	ug/L	113%		31-153	9	20
Surrogates								
Decachlorobiphenyl (PCB)	0.4994	0.5000	ug/L	100%		18-126		

Batch QC

Type: Lab Control Sample	Lab ID: QC1252307	Batch: 369844
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252307 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	44.51	50.00	ug/L	89%		70-135
MTBE	48.79	50.00	ug/L	98%		70-130
Benzene	46.96	50.00	ug/L	94%		70-130
Trichloroethene	45.79	50.00	ug/L	92%		70-130
Toluene	47.62	50.00	ug/L	95%		70-130
Chlorobenzene	47.45	50.00	ug/L	95%		70-130
Surrogates						
Dibromofluoromethane	50.55	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	52.75	50.00	ug/L	105%		70-130
Toluene-d8	50.89	50.00	ug/L	102%		70-130
Bromofluorobenzene	48.11	50.00	ug/L	96%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1252308	Batch: 369844
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252308 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.49	50.00	ug/L	89%		70-135	0	30
MTBE	48.11	50.00	ug/L	96%		70-130	1	30
Benzene	47.08	50.00	ug/L	94%		70-130	0	30
Trichloroethene	45.81	50.00	ug/L	92%		70-130	0	30
Toluene	46.76	50.00	ug/L	94%		70-130	2	30
Chlorobenzene	47.47	50.00	ug/L	95%		70-130	0	30
Surrogates								
Dibromofluoromethane	49.65	50.00	ug/L	99%		70-130		
1,2-Dichloroethane-d4	52.61	50.00	ug/L	105%		70-130		
Toluene-d8	50.11	50.00	ug/L	100%		70-130		
Bromofluorobenzene	47.88	50.00	ug/L	96%		70-130		

Batch QC

Type: Blank	Lab ID: QC1252312	Batch: 369844
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252312 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.7	04/27/25	04/27/25
Chloroprene	ND		ug/L	200	0.6	04/27/25	04/27/25
3-Chloropropene	ND		ug/L	5.0	0.3	04/27/25	04/27/25
Ethyl methacrylate	ND		ug/L	50	1.3	04/27/25	04/27/25
Ethanol	ND		ug/L	500	250	04/27/25	04/27/25
2-Hexanone	ND		ug/L	5.0	0.8	04/27/25	04/27/25
Isopropanol (IPA)	ND		ug/L	200	64	04/27/25	04/27/25
Methyl acrylonitrile	ND		ug/L	35	2.2	04/27/25	04/27/25
Vinyl Acetate	ND		ug/L	50	2.5	04/27/25	04/27/25
Acrolein	ND		ug/L	200	2.2	04/27/25	04/27/25
Acrylonitrile	ND		ug/L	10	0.7	04/27/25	04/27/25
Freon 12	ND		ug/L	5.0	0.3	04/27/25	04/27/25
Chloromethane	ND		ug/L	5.0	0.4	04/27/25	04/27/25
Vinyl Chloride	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Bromomethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Chloroethane	ND		ug/L	5.0	0.3	04/27/25	04/27/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Iodomethane	ND		ug/L	5.8		04/27/25	04/27/25
Acetone	ND		ug/L	100	44	04/27/25	04/27/25
Freon 113	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Methylene Chloride	ND		ug/L	10	3.5	04/27/25	04/27/25
MTBE	ND		ug/L	5.0	0.1	04/27/25	04/27/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1-Dichloroethane	ND		ug/L	5.0	0.08	04/27/25	04/27/25
2-Butanone	ND		ug/L	10	2.3	04/27/25	04/27/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Chloroform	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1-Dichloropropene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Carbon Tetrachloride	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,2-Dichloroethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Benzene	ND		ug/L	1.0	0.1	04/27/25	04/27/25
Trichloroethene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Bromodichloromethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Dibromomethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
4-Methyl-2-Pentanone	ND		ug/L	10	0.9	04/27/25	04/27/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Toluene	ND		ug/L	5.0	0.3	04/27/25	04/27/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Tetrachloroethene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25

Batch QC

QC1252312 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/L	5.0	0.1	04/27/25	04/27/25
Chlorobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Ethylbenzene	ND		ug/L	5.0	0.07	04/27/25	04/27/25
m,p-Xylenes	ND		ug/L	5.0	0.1	04/27/25	04/27/25
o-Xylene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
Styrene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Bromoform	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Isopropylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Propylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
Bromobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
2-Chlorotoluene	ND		ug/L	5.0	0.08	04/27/25	04/27/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
tert-Butylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
sec-Butylbenzene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
n-Butylbenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/27/25	04/27/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1.0	04/27/25	04/27/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	04/27/25	04/27/25
Hexachlorobutadiene	ND		ug/L	5.0	0.09	04/27/25	04/27/25
Naphthalene	ND		ug/L	5.0	0.5	04/27/25	04/27/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	04/27/25	04/27/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.7	04/27/25	04/27/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.8	04/27/25	04/27/25
Xylene (total)	ND		ug/L	5.0		04/27/25	04/27/25
TIC:	ND					04/27/25	04/27/25
Surrogates				Limits			
Dibromofluoromethane	103%		%REC	70-130		04/27/25	04/27/25
1,2-Dichloroethane-d4	105%		%REC	70-130		04/27/25	04/27/25
Toluene-d8	97%		%REC	70-130		04/27/25	04/27/25
Bromofluorobenzene	99%		%REC	70-130		04/27/25	04/27/25

Batch QC

Type: Matrix Spike	Lab ID: QC1252320	Batch: 369844
Matrix (Source ID): Water (531786-008)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252320 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	17.50	0.2057	20.00	ug/L	86%		70-130	1
MTBE	17.41	ND	20.00	ug/L	87%		75-130	1
Benzene	17.91	ND	20.00	ug/L	90%		70-130	1
Trichloroethene	49.81	33.46	20.00	ug/L	82%		63-130	1
Toluene	18.42	ND	20.00	ug/L	92%		70-130	1
Chlorobenzene	18.13	ND	20.00	ug/L	91%		70-130	1
Surrogates								
Dibromofluoromethane	51.13		50.00	ug/L	102%		70-130	1
1,2-Dichloroethane-d4	50.83		50.00	ug/L	102%		70-130	1
Toluene-d8	52.31		50.00	ug/L	105%		70-130	1
Bromofluorobenzene	47.34		50.00	ug/L	95%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1252321	Batch: 369844
Matrix (Source ID): Water (531786-008)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1252321 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	16.74	0.2057	20.00	ug/L	83%		70-130	4	30	1
MTBE	17.52	ND	20.00	ug/L	88%		75-130	1	30	1
Benzene	18.52	ND	20.00	ug/L	93%		70-130	3	30	1
Trichloroethene	53.33	33.46	20.00	ug/L	99%		63-130	7	30	1
Toluene	18.85	ND	20.00	ug/L	94%		70-130	2	30	1
Chlorobenzene	18.79	ND	20.00	ug/L	94%		70-130	4	30	1
Surrogates										
Dibromofluoromethane	49.08		50.00	ug/L	98%		70-130			1
1,2-Dichloroethane-d4	48.15		50.00	ug/L	96%		70-130			1
Toluene-d8	50.99		50.00	ug/L	102%		70-130			1
Bromofluorobenzene	48.80		50.00	ug/L	98%		70-130			1

Batch QC

Type: Blank	Lab ID: QC1252267	Batch: 369835
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1252267 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.9	04/27/25	04/27/25
Pyridine	ND		ug/L	10	1.7	04/27/25	04/27/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	04/27/25	04/27/25
Phenol	ND		ug/L	10	1.7	04/27/25	04/27/25
Aniline	ND		ug/L	10	3.2	04/27/25	04/27/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.9	04/27/25	04/27/25
2-Chlorophenol	ND		ug/L	10	3.8	04/27/25	04/27/25
1,3-Dichlorobenzene	ND		ug/L	10	4.0	04/27/25	04/27/25
1,4-Dichlorobenzene	ND		ug/L	10	4.2	04/27/25	04/27/25
Benzyl alcohol	ND		ug/L	25	5.2	04/27/25	04/27/25
1,2-Dichlorobenzene	ND		ug/L	10	3.9	04/27/25	04/27/25
2-Methylphenol	ND		ug/L	10	3.3	04/27/25	04/27/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	4.3	04/27/25	04/27/25
3-,4-Methylphenol	ND		ug/L	10	3.1	04/27/25	04/27/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	4.2	04/27/25	04/27/25
Hexachloroethane	ND		ug/L	10	3.7	04/27/25	04/27/25
Nitrobenzene	ND		ug/L	25	8.4	04/27/25	04/27/25
Isophorone	ND		ug/L	10	4.2	04/27/25	04/27/25
2-Nitrophenol	ND		ug/L	10	4.6	04/27/25	04/27/25
2,4-Dimethylphenol	ND		ug/L	10	3.7	04/27/25	04/27/25
Benzoic acid	ND		ug/L	50	7.6	04/27/25	04/27/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	3.9	04/27/25	04/27/25
2,4-Dichlorophenol	ND		ug/L	10	4.4	04/27/25	04/27/25
1,2,4-Trichlorobenzene	ND		ug/L	10	4.1	04/27/25	04/27/25
Naphthalene	ND		ug/L	10	3.8	04/27/25	04/27/25
4-Chloroaniline	ND		ug/L	10	3.6	04/27/25	04/27/25
Hexachlorobutadiene	ND		ug/L	10	3.3	04/27/25	04/27/25
4-Chloro-3-methylphenol	ND		ug/L	10	3.9	04/27/25	04/27/25
2-Methylnaphthalene	ND		ug/L	10	3.6	04/27/25	04/27/25
Hexachlorocyclopentadiene	ND		ug/L	25	10	04/27/25	04/27/25
2,4,6-Trichlorophenol	ND		ug/L	10	4.4	04/27/25	04/27/25
2,4,5-Trichlorophenol	ND		ug/L	10	4.0	04/27/25	04/27/25
2-Chloronaphthalene	ND		ug/L	10	3.9	04/27/25	04/27/25
2-Nitroaniline	ND		ug/L	50	3.4	04/27/25	04/27/25
Dimethylphthalate	ND		ug/L	10	4.0	04/27/25	04/27/25
Acenaphthylene	ND		ug/L	10	4.7	04/27/25	04/27/25
2,6-Dinitrotoluene	ND		ug/L	10	3.9	04/27/25	04/27/25
3-Nitroaniline	ND		ug/L	10	3.6	04/27/25	04/27/25
Acenaphthene	ND		ug/L	10	3.6	04/27/25	04/27/25
2,4-Dinitrophenol	ND		ug/L	50	7.7	04/27/25	04/27/25
4-Nitrophenol	ND		ug/L	50	5.6	04/27/25	04/27/25
Dibenzofuran	ND		ug/L	10	3.6	04/27/25	04/27/25
2,4-Dinitrotoluene	ND		ug/L	10	3.3	04/27/25	04/27/25
Diethylphthalate	ND		ug/L	10	3.1	04/27/25	04/27/25
Fluorene	ND		ug/L	10	3.4	04/27/25	04/27/25
4-Chlorophenyl-phenylether	ND		ug/L	10	3.7	04/27/25	04/27/25
4-Nitroaniline	ND		ug/L	10	3.2	04/27/25	04/27/25

Batch QC

QC1252267 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	13	04/27/25	04/27/25
N-Nitrosodiphenylamine	ND		ug/L	10	5.8	04/27/25	04/27/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	3.8	04/27/25	04/27/25
4-Bromophenyl-phenylether	ND		ug/L	10	4.0	04/27/25	04/27/25
Hexachlorobenzene	ND		ug/L	10	3.6	04/27/25	04/27/25
Pentachlorophenol	ND		ug/L	25	3.2	04/27/25	04/27/25
Phenanthrene	ND		ug/L	10	2.7	04/27/25	04/27/25
Anthracene	ND		ug/L	10	2.6	04/27/25	04/27/25
Di-n-butylphthalate	ND		ug/L	10	1.7	04/27/25	04/27/25
Fluoranthene	ND		ug/L	10	1.6	04/27/25	04/27/25
Benzidine	ND		ug/L	50	14	04/27/25	04/27/25
Pyrene	ND		ug/L	10	1.9	04/27/25	04/27/25
Butylbenzylphthalate	ND		ug/L	10	2.2	04/27/25	04/27/25
3,3'-Dichlorobenzidine	ND		ug/L	25	3.5	04/27/25	04/27/25
Benzo(a)anthracene	ND		ug/L	10	0.99	04/27/25	04/27/25
Chrysene	ND		ug/L	10	1.2	04/27/25	04/27/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.3	04/27/25	04/27/25
Di-n-octylphthalate	ND		ug/L	10	1.3	04/27/25	04/27/25
Benzo(b)fluoranthene	ND		ug/L	10	1.2	04/27/25	04/27/25
Benzo(k)fluoranthene	ND		ug/L	10	1.4	04/27/25	04/27/25
Benzo(a)pyrene	ND		ug/L	10	1.4	04/27/25	04/27/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	1.2	04/27/25	04/27/25
Dibenz(a,h)anthracene	ND		ug/L	10	1.5	04/27/25	04/27/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.5	04/27/25	04/27/25
TIC:2,6-Dichlorophenol	ND		ug/L			04/27/25	04/27/25
TIC:2-Acetylaminofluorene	ND		ug/L			04/27/25	04/27/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			04/27/25	04/27/25
TIC:4-Aminobiphenyl	ND		ug/L			04/27/25	04/27/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			04/27/25	04/27/25
TIC:Acetonitrile	ND		ug/L			04/27/25	04/27/25
TIC:Acetophenone	ND		ug/L			04/27/25	04/27/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			04/27/25	04/27/25
TIC:Chlorobenzilate	ND		ug/L			04/27/25	04/27/25
TIC:Diallate	ND		ug/L			04/27/25	04/27/25
TIC:Thionazin	ND		ug/L			04/27/25	04/27/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			04/27/25	04/27/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			04/27/25	04/27/25
Surrogates	Limits						
2-Fluorophenol	47%		%REC	20-140		04/27/25	04/27/25
Phenol-d6	36%		%REC	20-140		04/27/25	04/27/25
2,4,6-Tribromophenol	65%		%REC	20-140		04/27/25	04/27/25
Nitrobenzene-d5	74%		%REC	20-140		04/27/25	04/27/25
2-Fluorobiphenyl	69%		%REC	20-140		04/27/25	04/27/25
Terphenyl-d14	93%		%REC	20-140		04/27/25	04/27/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1252268	Batch: 369835
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1252268 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	26.27	75.00	ug/L	35%	b	13-120
2-Chlorophenol	53.04	75.00	ug/L	71%		31-120
1,4-Dichlorobenzene	45.51	75.00	ug/L	61%		24-120
3-,4-Methylphenol	56.40	75.00	ug/L	75%		29-120
N-Nitroso-di-n-propylamine	73.33	75.00	ug/L	98%	b	32-120
2,4-Dimethylphenol	67.15	75.00	ug/L	90%		25-120
1,2,4-Trichlorobenzene	52.46	75.00	ug/L	70%		26-120
4-Chloro-3-methylphenol	77.06	75.00	ug/L	103%	b	39-120
2,4,5-Trichlorophenol	68.32	75.00	ug/L	91%		38-120
Acenaphthene	51.32	75.00	ug/L	68%		33-120
4-Nitrophenol	40.57	75.00	ug/L	54%		12-120
2,4-Dinitrotoluene	82.98	75.00	ug/L	111%		46-120
Pentachlorophenol	70.79	75.00	ug/L	94%		37-120
Pyrene	80.06	75.00	ug/L	107%		47-120
Chrysene	69.08	75.00	ug/L	92%		48-120
Benzo(b)fluoranthene	63.10	75.00	ug/L	84%		46-120
Surrogates						
2-Fluorophenol	18.98	40.00	ug/L	47%		20-140
Phenol-d6	13.39	40.00	ug/L	33%		20-140
2,4,6-Tribromophenol	40.79	40.00	ug/L	102%		20-140
Nitrobenzene-d5	37.11	40.00	ug/L	93%		20-140
2-Fluorobiphenyl	30.48	40.00	ug/L	76%		20-140
Terphenyl-d14	45.41	40.00	ug/L	114%		20-140

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1252269	Batch: 369835
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1252269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	28.79	75.00	ug/L	38%	b	13-120	9	62
2-Chlorophenol	62.19	75.00	ug/L	83%		31-120	16	62
1,4-Dichlorobenzene	57.24	75.00	ug/L	76%		24-120	23	64
3-,4-Methylphenol	55.85	75.00	ug/L	74%		29-120	1	62
N-Nitroso-di-n-propylamine	67.96	75.00	ug/L	91%	b	32-120	8	65
2,4-Dimethylphenol	64.31	75.00	ug/L	86%		25-120	4	64
1,2,4-Trichlorobenzene	56.88	75.00	ug/L	76%		26-120	8	63
4-Chloro-3-methylphenol	76.34	75.00	ug/L	102%	b	39-120	1	58
2,4,5-Trichlorophenol	68.25	75.00	ug/L	91%		38-120	0	59
Acenaphthene	61.29	75.00	ug/L	82%		33-120	18	52
4-Nitrophenol	36.72	75.00	ug/L	49%		12-120	10	63
2,4-Dinitrotoluene	75.96	75.00	ug/L	101%		46-120	9	41
Pentachlorophenol	58.19	75.00	ug/L	78%		37-120	20	42
Pyrene	72.61	75.00	ug/L	97%		47-120	10	43
Chrysene	72.13	75.00	ug/L	96%		48-120	4	46
Benzo(b)fluoranthene	76.52	75.00	ug/L	102%		46-120	19	47
Surrogates								
2-Fluorophenol	23.57	40.00	ug/L	59%		20-140		
Phenol-d6	15.09	40.00	ug/L	38%		20-140		
2,4,6-Tribromophenol	38.89	40.00	ug/L	97%		20-140		
Nitrobenzene-d5	37.48	40.00	ug/L	94%		20-140		
2-Fluorobiphenyl	33.20	40.00	ug/L	83%		20-140		
Terphenyl-d14	40.53	40.00	ug/L	101%		20-140		

Batch QC

Type: Lab Control Sample	Lab ID: QC1252271	Batch: 369835
Matrix: TCLP Leachate	Method: EPA 8270C	Prep Method: EPA 3510C

QC1252271 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	99.98	150.0	ug/L	67%	b	13-120
2-Chlorophenol	132.9	150.0	ug/L	89%		31-120
1,4-Dichlorobenzene	101.1	150.0	ug/L	67%		24-120
3-,4-Methylphenol	151.5	150.0	ug/L	101%		29-120
N-Nitroso-di-n-propylamine	166.2	150.0	ug/L	111%	b	32-120
2,4-Dimethylphenol	152.5	150.0	ug/L	102%		25-120
1,2,4-Trichlorobenzene	117.0	150.0	ug/L	78%		26-120
4-Chloro-3-methylphenol	170.2	150.0	ug/L	113%	b	39-120
2,4,5-Trichlorophenol	146.9	150.0	ug/L	98%		38-120
Acenaphthene	124.7	150.0	ug/L	83%		33-120
4-Nitrophenol	104.2	150.0	ug/L	69%		12-120
2,4-Dinitrotoluene	145.8	150.0	ug/L	97%		46-120
Pentachlorophenol	112.8	150.0	ug/L	75%		37-120
Pyrene	117.9	150.0	ug/L	79%		47-120
Chrysene	135.3	150.0	ug/L	90%		48-120
Benzo(b)fluoranthene	133.8	150.0	ug/L	89%		46-120
Surrogates						
2-Fluorophenol	63.45	80.00	ug/L	79%		20-140
Phenol-d6	54.68	80.00	ug/L	68%		20-140
2,4,6-Tribromophenol	75.14	80.00	ug/L	94%		20-140
Nitrobenzene-d5	84.24	80.00	ug/L	105%		20-140
2-Fluorobiphenyl	68.04	80.00	ug/L	85%		20-140
Terphenyl-d14	64.37	80.00	ug/L	80%		20-140

Batch QC

Type: Sample Spike	Lab ID: QC1252272	Batch: 369835
Matrix (Source ID): TCLP Leachate (531810-001)	Method: EPA 8270C	Prep Method: EPA 3510C

QC1252272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phenol	5,210	5852	150.0	ug/L	-428%	E,b,NM	10-130	20
2-Chlorophenol	153.3	ND	150.0	ug/L	102%		21-130	20
1,4-Dichlorobenzene	114.8	ND	150.0	ug/L	77%		14-130	20
3-,4-Methylphenol	1,077	1177	150.0	ug/L	-67%	NM	19-130	20
N-Nitroso-di-n-propylamine	172.9	227.3	150.0	ug/L	-36%	b,*	22-130	20
2,4-Dimethylphenol	153.3	80.37	150.0	ug/L	49%		15-130	20
1,2,4-Trichlorobenzene	120.9	ND	150.0	ug/L	81%		16-130	20
4-Chloro-3-methylphenol	159.9	ND	150.0	ug/L	107%	b	29-130	20
2,4,5-Trichlorophenol	120.2	ND	150.0	ug/L	80%		28-130	20
Acenaphthene	136.8	ND	150.0	ug/L	91%		23-130	20
4-Nitrophenol	138.3	ND	150.0	ug/L	92%		10-130	20
2,4-Dinitrotoluene	125.1	ND	150.0	ug/L	83%		36-130	20
Pentachlorophenol	239.9	ND	150.0	ug/L		DO	27-130	20
Pyrene	130.2	ND	150.0	ug/L	87%		37-130	20
Chrysene	146.1	ND	150.0	ug/L	97%		38-130	20
Benzo(b)fluoranthene	144.0	ND	150.0	ug/L	96%		36-130	20
Surrogates								
2-Fluorophenol	70.91		80.00	ug/L	89%		10-140	20
Phenol-d6	58.41		80.00	ug/L	73%		10-140	20
2,4,6-Tribromophenol	76.24		80.00	ug/L	95%		12-140	20
Nitrobenzene-d5	97.48		80.00	ug/L	122%		10-140	20
2-Fluorobiphenyl	66.83		80.00	ug/L	84%		11-140	20
Terphenyl-d14	73.58		80.00	ug/L	92%		20-140	20

Batch QC

Type: Blank	Lab ID: QC1253912	Batch: 370314
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1253912 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.9	05/02/25	05/02/25
Pyridine	ND		ug/L	10	1.7	05/02/25	05/02/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	05/02/25	05/02/25
Phenol	ND		ug/L	10	1.7	05/02/25	05/02/25
Aniline	ND		ug/L	10	3.2	05/02/25	05/02/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.9	05/02/25	05/02/25
2-Chlorophenol	ND		ug/L	10	3.8	05/02/25	05/02/25
1,3-Dichlorobenzene	ND		ug/L	10	4.0	05/02/25	05/02/25
1,4-Dichlorobenzene	ND		ug/L	10	4.2	05/02/25	05/02/25
Benzyl alcohol	ND		ug/L	25	5.2	05/02/25	05/02/25
1,2-Dichlorobenzene	ND		ug/L	10	3.9	05/02/25	05/02/25
2-Methylphenol	ND		ug/L	10	3.3	05/02/25	05/02/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	4.3	05/02/25	05/02/25
3-,4-Methylphenol	ND		ug/L	10	3.1	05/02/25	05/02/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	4.2	05/02/25	05/02/25
Hexachloroethane	ND		ug/L	10	3.7	05/02/25	05/02/25
Nitrobenzene	ND		ug/L	25	8.4	05/02/25	05/02/25
Isophorone	ND		ug/L	10	4.2	05/02/25	05/02/25
2-Nitrophenol	ND		ug/L	10	4.6	05/02/25	05/02/25
2,4-Dimethylphenol	ND		ug/L	10	3.7	05/02/25	05/02/25
Benzoic acid	ND		ug/L	50	7.6	05/02/25	05/02/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	3.9	05/02/25	05/02/25
2,4-Dichlorophenol	ND		ug/L	10	4.4	05/02/25	05/02/25
1,2,4-Trichlorobenzene	ND		ug/L	10	4.1	05/02/25	05/02/25
Naphthalene	ND		ug/L	10	3.8	05/02/25	05/02/25
4-Chloroaniline	ND		ug/L	10	3.6	05/02/25	05/02/25
Hexachlorobutadiene	ND		ug/L	10	3.3	05/02/25	05/02/25
4-Chloro-3-methylphenol	ND		ug/L	10	3.9	05/02/25	05/02/25
2-Methylnaphthalene	ND		ug/L	10	3.6	05/02/25	05/02/25
Hexachlorocyclopentadiene	ND		ug/L	25	10	05/02/25	05/02/25
2,4,6-Trichlorophenol	ND		ug/L	10	4.4	05/02/25	05/02/25
2,4,5-Trichlorophenol	ND		ug/L	10	4.0	05/02/25	05/02/25
2-Chloronaphthalene	ND		ug/L	10	3.9	05/02/25	05/02/25
2-Nitroaniline	ND		ug/L	50	3.4	05/02/25	05/02/25
Dimethylphthalate	ND		ug/L	10	4.0	05/02/25	05/02/25
Acenaphthylene	ND		ug/L	10	4.7	05/02/25	05/02/25
2,6-Dinitrotoluene	ND		ug/L	10	3.9	05/02/25	05/02/25
3-Nitroaniline	ND		ug/L	10	3.6	05/02/25	05/02/25
Acenaphthene	ND		ug/L	10	3.6	05/02/25	05/02/25
2,4-Dinitrophenol	ND		ug/L	50	7.7	05/02/25	05/02/25
4-Nitrophenol	ND		ug/L	50	5.6	05/02/25	05/02/25
Dibenzofuran	ND		ug/L	10	3.6	05/02/25	05/02/25
2,4-Dinitrotoluene	ND		ug/L	10	3.3	05/02/25	05/02/25
Diethylphthalate	ND		ug/L	10	3.1	05/02/25	05/02/25
Fluorene	ND		ug/L	10	3.4	05/02/25	05/02/25
4-Chlorophenyl-phenylether	ND		ug/L	10	3.7	05/02/25	05/02/25
4-Nitroaniline	ND		ug/L	10	3.2	05/02/25	05/02/25

Batch QC

QC1253912 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	13	05/02/25	05/02/25
N-Nitrosodiphenylamine	ND		ug/L	10	5.8	05/02/25	05/02/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	3.8	05/02/25	05/02/25
4-Bromophenyl-phenylether	ND		ug/L	10	4.0	05/02/25	05/02/25
Hexachlorobenzene	ND		ug/L	10	3.6	05/02/25	05/02/25
Pentachlorophenol	ND		ug/L	25	3.2	05/02/25	05/02/25
Phenanthrene	ND		ug/L	10	2.7	05/02/25	05/02/25
Anthracene	ND		ug/L	10	2.6	05/02/25	05/02/25
Di-n-butylphthalate	ND		ug/L	10	1.7	05/02/25	05/02/25
Fluoranthene	ND		ug/L	10	1.6	05/02/25	05/02/25
Benzidine	ND		ug/L	50	14	05/02/25	05/02/25
Pyrene	ND		ug/L	10	1.9	05/02/25	05/02/25
Butylbenzylphthalate	ND		ug/L	10	2.2	05/02/25	05/02/25
3,3'-Dichlorobenzidine	ND		ug/L	25	3.5	05/02/25	05/02/25
Benzo(a)anthracene	ND		ug/L	10	0.99	05/02/25	05/02/25
Chrysene	ND		ug/L	10	1.2	05/02/25	05/02/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.3	05/02/25	05/02/25
Di-n-octylphthalate	ND		ug/L	10	1.3	05/02/25	05/02/25
Benzo(b)fluoranthene	ND		ug/L	10	1.2	05/02/25	05/02/25
Benzo(k)fluoranthene	ND		ug/L	10	1.4	05/02/25	05/02/25
Benzo(a)pyrene	ND		ug/L	10	1.4	05/02/25	05/02/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	1.2	05/02/25	05/02/25
Dibenz(a,h)anthracene	ND		ug/L	10	1.5	05/02/25	05/02/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.5	05/02/25	05/02/25
TIC:2,6-Dichlorophenol	ND		ug/L			05/02/25	05/02/25
TIC:2-Acetylaminofluorene	ND		ug/L			05/02/25	05/02/25
TIC:3,3'-Dimethylbenzidine	ND		ug/L			05/02/25	05/02/25
TIC:4-Aminobiphenyl	ND		ug/L			05/02/25	05/02/25
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			05/02/25	05/02/25
TIC:Acetonitrile	ND		ug/L			05/02/25	05/02/25
TIC:Acetophenone	ND		ug/L			05/02/25	05/02/25
TIC:Bis(2-chloro-1-methylethyl) ether	ND		ug/L			05/02/25	05/02/25
TIC:Chlorobenzilate	ND		ug/L			05/02/25	05/02/25
TIC:Diallate	ND		ug/L			05/02/25	05/02/25
TIC:Thionazin	ND		ug/L			05/02/25	05/02/25
TIC:a,a-Dimethylphenethylamine	ND		ug/L			05/02/25	05/02/25
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			05/02/25	05/02/25
Surrogates	Limits						
2-Fluorophenol	41%		%REC	20-140		05/02/25	05/02/25
Phenol-d6	28%		%REC	20-140		05/02/25	05/02/25
2,4,6-Tribromophenol	70%		%REC	20-140		05/02/25	05/02/25
Nitrobenzene-d5	68%		%REC	20-140		05/02/25	05/02/25
2-Fluorobiphenyl	68%		%REC	20-140		05/02/25	05/02/25
Terphenyl-d14	75%		%REC	20-140		05/02/25	05/02/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1253913	Batch: 370314
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1253913 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	27.32	75.00	ug/L	36%		13-120
2-Chlorophenol	55.61	75.00	ug/L	74%		31-120
1,4-Dichlorobenzene	57.88	75.00	ug/L	77%		24-120
3-,4-Methylphenol	52.79	75.00	ug/L	70%		29-120
N-Nitroso-di-n-propylamine	68.69	75.00	ug/L	92%		32-120
2,4-Dimethylphenol	66.67	75.00	ug/L	89%		25-120
1,2,4-Trichlorobenzene	60.68	75.00	ug/L	81%		26-120
4-Chloro-3-methylphenol	68.01	75.00	ug/L	91%		39-120
2,4,5-Trichlorophenol	68.45	75.00	ug/L	91%		38-120
Acenaphthene	61.61	75.00	ug/L	82%		33-120
4-Nitrophenol	27.97	75.00	ug/L	37%		12-120
2,4-Dinitrotoluene	73.77	75.00	ug/L	98%		46-120
Pentachlorophenol	53.58	75.00	ug/L	71%		37-120
Pyrene	66.38	75.00	ug/L	89%		47-120
Chrysene	63.65	75.00	ug/L	85%		48-120
Benzo(b)fluoranthene	65.82	75.00	ug/L	88%		46-120
Surrogates						
2-Fluorophenol	20.02	40.00	ug/L	50%		20-140
Phenol-d6	13.97	40.00	ug/L	35%		20-140
2,4,6-Tribromophenol	33.10	40.00	ug/L	83%		20-140
Nitrobenzene-d5	31.81	40.00	ug/L	80%		20-140
2-Fluorobiphenyl	31.06	40.00	ug/L	78%		20-140
Terphenyl-d14	32.49	40.00	ug/L	81%		20-140

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1253914	Batch: 370314
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1253914 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	28.28	75.00	ug/L	38%		13-120	3	62
2-Chlorophenol	57.77	75.00	ug/L	77%		31-120	4	62
1,4-Dichlorobenzene	59.96	75.00	ug/L	80%		24-120	4	64
3-,4-Methylphenol	54.34	75.00	ug/L	72%		29-120	3	62
N-Nitroso-di-n-propylamine	71.16	75.00	ug/L	95%		32-120	4	65
2,4-Dimethylphenol	68.86	75.00	ug/L	92%		25-120	3	64
1,2,4-Trichlorobenzene	63.80	75.00	ug/L	85%		26-120	5	63
4-Chloro-3-methylphenol	71.97	75.00	ug/L	96%		39-120	6	58
2,4,5-Trichlorophenol	71.40	75.00	ug/L	95%		38-120	4	59
Acenaphthene	65.37	75.00	ug/L	87%		33-120	6	52
4-Nitrophenol	29.79	75.00	ug/L	40%		12-120	6	63
2,4-Dinitrotoluene	78.67	75.00	ug/L	105%		46-120	6	41
Pentachlorophenol	57.94	75.00	ug/L	77%		37-120	8	42
Pyrene	71.42	75.00	ug/L	95%		47-120	7	43
Chrysene	68.55	75.00	ug/L	91%		48-120	7	46
Benzo(b)fluoranthene	69.21	75.00	ug/L	92%		46-120	5	47
Surrogates								
2-Fluorophenol	21.14	40.00	ug/L	53%		20-140		
Phenol-d6	14.47	40.00	ug/L	36%		20-140		
2,4,6-Tribromophenol	36.33	40.00	ug/L	91%		20-140		
Nitrobenzene-d5	33.84	40.00	ug/L	85%		20-140		
2-Fluorobiphenyl	33.61	40.00	ug/L	84%		20-140		
Terphenyl-d14	35.46	40.00	ug/L	89%		20-140		

Batch QC

Type: Lab Control Sample	Lab ID: QC1253916	Batch: 370314
Matrix: TCLP Leachate	Method: EPA 8270C	Prep Method: EPA 3510C

QC1253916 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	63.35	150.0	ug/L	42%		13-120
2-Chlorophenol	82.31	150.0	ug/L	55%		31-120
1,4-Dichlorobenzene	80.69	150.0	ug/L	54%		24-120
3-,4-Methylphenol	86.83	150.0	ug/L	58%		29-120
N-Nitroso-di-n-propylamine	97.15	150.0	ug/L	65%		32-120
2,4-Dimethylphenol	98.13	150.0	ug/L	65%		25-120
1,2,4-Trichlorobenzene	86.23	150.0	ug/L	57%		26-120
4-Chloro-3-methylphenol	100.2	150.0	ug/L	67%		39-120
2,4,5-Trichlorophenol	101.5	150.0	ug/L	68%		38-120
Acenaphthene	88.44	150.0	ug/L	59%		33-120
4-Nitrophenol	81.91	150.0	ug/L	55%		12-120
2,4-Dinitrotoluene	130.9	150.0	ug/L	87%		46-120
Pentachlorophenol	100.6	150.0	ug/L	67%		37-120
Pyrene	120.9	150.0	ug/L	81%		47-120
Chrysene	118.6	150.0	ug/L	79%		48-120
Benzo(b)fluoranthene	121.7	150.0	ug/L	81%		46-120
Surrogates						
2-Fluorophenol	36.76	80.00	ug/L	46%		20-140
Phenol-d6	31.51	80.00	ug/L	39%		20-140
2,4,6-Tribromophenol	59.92	80.00	ug/L	75%		20-140
Nitrobenzene-d5	47.33	80.00	ug/L	59%		20-140
2-Fluorobiphenyl	45.30	80.00	ug/L	57%		20-140
Terphenyl-d14	60.44	80.00	ug/L	76%		20-140

Batch QC

Type: Sample Spike	Lab ID: QC1253917	Batch: 370314
Matrix (Source ID): TCLP Leachate (532117-001)	Method: EPA 8270C	Prep Method: EPA 3510C

QC1253917 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phenol	8,351	8112	150.0	ug/L	159%	E,NM	10-130	20
2-Chlorophenol	108.7	ND	150.0	ug/L	72%		21-130	20
1,4-Dichlorobenzene	96.40	ND	150.0	ug/L	64%		14-130	20
3-,4-Methylphenol	636.2	528.7	150.0	ug/L	72%		19-130	20
N-Nitroso-di-n-propylamine	141.0	96.54	150.0	ug/L	30%		22-130	20
2,4-Dimethylphenol	140.1	ND	150.0	ug/L	93%		15-130	20
1,2,4-Trichlorobenzene	110.2	ND	150.0	ug/L	73%		16-130	20
4-Chloro-3-methylphenol	161.6	ND	150.0	ug/L	108%		29-130	20
2,4,5-Trichlorophenol	142.4	ND	150.0	ug/L	95%		28-130	20
Acenaphthene	115.1	ND	150.0	ug/L	77%		23-130	20
4-Nitrophenol	100.1	ND	150.0	ug/L		DO	10-130	20
2,4-Dinitrotoluene	122.1	ND	150.0	ug/L	81%		36-130	20
Pentachlorophenol	223.6	ND	150.0	ug/L		DO	27-130	20
Pyrene	116.4	ND	150.0	ug/L	78%		37-130	20
Chrysene	116.8	ND	150.0	ug/L	78%		38-130	20
Benzo(b)fluoranthene	111.2	ND	150.0	ug/L	74%		36-130	20
Surrogates								
2-Fluorophenol	51.66		80.00	ug/L	65%		10-140	20
Phenol-d6	56.40		80.00	ug/L	70%		10-140	20
2,4,6-Tribromophenol	71.56		80.00	ug/L	89%		12-140	20
Nitrobenzene-d5	59.64		80.00	ug/L	75%		10-140	20
2-Fluorobiphenyl	56.01		80.00	ug/L	70%		11-140	20
Terphenyl-d14	58.09		80.00	ug/L	73%		20-140	20

Batch QC

Type: Blank	Lab ID: QC1252695	Batch: 369948
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3510C

QC1252695 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.25	04/29/25	04/30/25
2-Methylnaphthalene	ND		ug/L	0.50	0.24	04/29/25	04/30/25
Naphthalene	ND		ug/L	0.50	0.21	04/29/25	04/30/25
Acenaphthylene	ND		ug/L	0.50	0.23	04/29/25	04/30/25
Acenaphthene	ND		ug/L	0.50	0.22	04/29/25	04/30/25
Fluorene	ND		ug/L	0.50	0.23	04/29/25	04/30/25
Phenanthrene	ND		ug/L	0.50	0.20	04/29/25	04/30/25
Anthracene	ND		ug/L	0.50	0.23	04/29/25	04/30/25
Fluoranthene	ND		ug/L	0.50	0.19	04/29/25	04/30/25
Pyrene	ND		ug/L	0.50	0.19	04/29/25	04/30/25
Benzo(a)anthracene	ND		ug/L	0.50	0.13	04/29/25	04/30/25
Chrysene	ND		ug/L	0.50	0.17	04/29/25	04/30/25
Benzo(b)fluoranthene	ND		ug/L	0.50	0.12	04/29/25	04/30/25
Benzo(k)fluoranthene	ND		ug/L	0.50	0.15	04/29/25	04/30/25
Benzo(a)pyrene	ND		ug/L	0.50	0.14	04/29/25	04/30/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.26	04/29/25	04/30/25
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.26	04/29/25	04/30/25
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.25	04/29/25	04/30/25
Surrogates	Limits						
Nitrobenzene-d5	61%		%REC	16-125		04/29/25	04/30/25
2-Fluorobiphenyl	62%		%REC	17-120		04/29/25	04/30/25
Terphenyl-d14	86%		%REC	39-123		04/29/25	04/30/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1252696	Batch: 369948
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3510C

QC1252696 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	2.635	4.000	ug/L	66%		23-120
2-Methylnaphthalene	2.660	4.000	ug/L	66%		33-120
Naphthalene	2.593	4.000	ug/L	65%		38-120
Acenaphthylene	2.798	4.000	ug/L	70%		37-120
Acenaphthene	2.723	4.000	ug/L	68%		39-120
Fluorene	2.948	4.000	ug/L	74%		43-120
Phenanthrene	3.036	4.000	ug/L	76%		42-120
Anthracene	2.965	4.000	ug/L	74%		42-120
Fluoranthene	3.219	4.000	ug/L	80%		48-120
Pyrene	3.210	4.000	ug/L	80%		44-120
Benzo(a)anthracene	3.281	4.000	ug/L	82%		51-126
Chrysene	3.324	4.000	ug/L	83%		47-120
Benzo(b)fluoranthene	3.258	4.000	ug/L	81%		44-127
Benzo(k)fluoranthene	3.307	4.000	ug/L	83%		43-127
Benzo(a)pyrene	2.972	4.000	ug/L	74%		29-124
Indeno(1,2,3-cd)pyrene	3.463	4.000	ug/L	87%		44-127
Dibenz(a,h)anthracene	3.512	4.000	ug/L	88%		55-120
Benzo(g,h,i)perylene	3.463	4.000	ug/L	87%		46-120
Surrogates						
Nitrobenzene-d5	2.386	4.000	ug/L	60%		16-125
2-Fluorobiphenyl	2.541	4.000	ug/L	64%		17-120
Terphenyl-d14	3.523	4.000	ug/L	88%		39-123

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1252697	Batch: 369948
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3510C

QC1252697 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	2.926	4.000	ug/L	73%		23-120	10	20
2-Methylnaphthalene	2.935	4.000	ug/L	73%		33-120	10	20
Naphthalene	2.929	4.000	ug/L	73%		38-120	12	20
Acenaphthylene	3.048	4.000	ug/L	76%		37-120	9	20
Acenaphthene	3.024	4.000	ug/L	76%		39-120	10	20
Fluorene	3.222	4.000	ug/L	81%		43-120	9	20
Phenanthrene	3.199	4.000	ug/L	80%		42-120	5	20
Anthracene	3.119	4.000	ug/L	78%		42-120	5	20
Fluoranthene	3.317	4.000	ug/L	83%		48-120	3	20
Pyrene	3.305	4.000	ug/L	83%		44-120	3	20
Benzo(a)anthracene	3.326	4.000	ug/L	83%		51-126	1	20
Chrysene	3.369	4.000	ug/L	84%		47-120	1	20
Benzo(b)fluoranthene	3.364	4.000	ug/L	84%		44-127	3	20
Benzo(k)fluoranthene	3.306	4.000	ug/L	83%		43-127	0	20
Benzo(a)pyrene	3.037	4.000	ug/L	76%		29-124	2	20
Indeno(1,2,3-cd)pyrene	3.492	4.000	ug/L	87%		44-127	1	20
Dibenz(a,h)anthracene	3.552	4.000	ug/L	89%		55-120	1	20
Benzo(g,h,i)perylene	3.505	4.000	ug/L	88%		46-120	1	20
Surrogates								
Nitrobenzene-d5	2.725	4.000	ug/L	68%		16-125		
2-Fluorobiphenyl	2.818	4.000	ug/L	70%		17-120		
Terphenyl-d14	3.579	4.000	ug/L	89%		39-123		

Type: Blank	Lab ID: QC1253644	Batch: 370243
Matrix: Water	Method: SM 4500-CN-E	Prep Method: METHOD

QC1253644 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	05/01/25	05/01/25

Type: Lab Control Sample	Lab ID: QC1253645	Batch: 370243
Matrix: Water	Method: SM 4500-CN-E	Prep Method: METHOD

QC1253645 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1026	0.1000	mg/L	103%		85-115

Type: Matrix Spike	Lab ID: QC1253646	Batch: 370243
Matrix (Source ID): Water (531563-002)	Method: SM 4500-CN-E	Prep Method: METHOD

QC1253646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.08783	0.01102	0.1000	mg/L	77%	*	80-120	0.5

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1253647	Batch: 370243
Matrix (Source ID): Water (531563-002)	Method: SM 4500-CN-E	Prep Method: METHOD

QC1253647 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.06065	0.01102	0.1000	mg/L	50%	*	80-120	37*	20	0.5

Type: Blank	Lab ID: QC1252419	Batch: 369874
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1252419 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		04/28/25	04/28/25

Type: Lab Control Sample	Lab ID: QC1252420	Batch: 369874
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1252420 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1252421	Batch: 369874
Matrix (Source ID): Water (531562-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1252421 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1252422	Batch: 369874
Matrix (Source ID): Water (531562-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1252422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

- # CCV drift outside limits; average CCV drift within limits per method requirements
- * Value is outside QC limits
- DO Diluted Out
- E Response exceeds instrument's linear range
- J Estimated value
- ND Not Detected
- NM Not Meaningful
- b See narrative

Laboratory Job Number 531817

Subcontracted Products

Pace Laboratories



May 13, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 531817
Pace Project No.: 30775412

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: 531817
Pace Project No.: 30775412

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30775412001	SOUTH BASIN WEST INLET	Water	04/26/25 09:15	04/29/25 10:35
30775412002	SOUTH BASIN EAST INLET	Water	04/26/25 09:45	04/29/25 10:35

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900



2506811

Subcontract Laboratory:

Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-531817

PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT

Report Level: II

Report To: MDL

EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET -1	26-APR-2025 09:15	531817-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN EAST INLET -2	26-APR-2025 09:45	531817-002	1	Water	Organophosphorus Pesticides	

Notes:

Relinquished By:

Received By:

Anna Thelute EA-Orca

Date: 4/28/25 14:30

Date: *[Signature]* 4/29/25 1035

Date:

Date:

Date:

Date:

CHK BY

[Signature]

DISTRIBUTION

☐ ☐ ☐ ☐ ☐

SUB OUT ☐

PAGE ANALYTICAL		COOLER RECEIPT FORM		Page <u> </u> Of <u> </u>	
Submission #: <u>7506811</u>					
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☐ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☒ NO ☐ <u>W</u> / <u>S</u>
Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: _____					
Custody Seals <u>Ice Chest</u> ☐ <u>Containers</u> ☐ None ☒ Comments: _____ Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐					
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐					
COC Received ☒ YES ☐ NO		Emissivity: <u>0.97</u> Container: <u>NA</u> Thermometer ID: <u>367</u> Temperature: (A) <u>0.3</u> °C / (C) <u>0.3</u> °C		Date/Time <u>4/29/25</u> Analyst Init <u>JCD</u> <u>1035</u>	

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr ¹⁶										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: _____
 Sample Numbering Completed By: JCD Date/Time: 04/29/25 1248
 A = Actual / C = Corrected

Rev 23 05/20/22 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC\rev 20]



Date of Report: 05/12/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Client Project: [none]
Pace Project: Chiquita Canyon Landfill Stormwater
Pace Work Order: 2506811
Invoice ID: B516764

Enclosed are the results of analyses for samples received by the laboratory on 4/29/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Williams
Client Service Rep

Steven Bennett
Operations Manager

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Report ID: 1001591357

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.pacelabs.com

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Page 1 of 12

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ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900



2506811

Subcontract Laboratory:

Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-531817

PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT

Report Level: II

Report To: MDL

EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET -1	26-APR-2025 09:15	531817-001	1	Water	Organophosphorus Pesticides	
SOUTH BASIN EAST INLET -2	26-APR-2025 09:45	531817-002	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	<i>Aria Malye</i> EA-Ora	
	Date: 4/28/25 14:30	Date: <i>[Signature]</i> 4/29/25 1035
	Date:	Date:
	Date:	Date:

CHK BY	DISTRIBUTION
<i>[Signature]</i>	☐ ☐ ☐ ☐ ☐
	SUB OUT ☐

PAGE ANALYTICAL		COOLER RECEIPT FORM		Page <u> 1 </u> Of <u> 1 </u>	
Submission #: <u>7506811</u>					
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☐ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☐ NO ☐ <u>W / S</u>
Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: _____					
Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: _____ In tact / Yes ☐ No ☐ In tact / Yes ☐ No ☐					
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐					
COC Received ☒ YES ☐ NO		Emissivity: <u>0.97</u> Container: <u>NA</u> Thermometer ID: <u>362</u> Temperature: (A) <u>0.3</u> °C / (C) <u>0.3</u> °C		Date/Time <u>4/29/25</u> Analyst Init <u>WJ</u> <u>1035</u>	

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr ⁶										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
FlA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	A	A								
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: _____
 Sample Numbering Completed By: WJ Date/Time: 04/29/25 1248
 A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\ISAMR\Rev 23]

Chain of Custody and Cooler Receipt Form for 2506811 Page 4 of 4



Ship To:
Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

INTER LABORATORY WORK ORDER # 30775412

(To be completed by sending lab)

Sending Project No:	30775412
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	04/30/25
REQUESTED COMPLETION DATE:	5/13/2025

Sending Region	IR30-Pittsburgh	Sending Project Mgr.	Nikayla M. Yasurek
Receiving Region	S870	External Client	Enthalpy Analytical
State of Sample Origin		QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

WORK REQUESTED						
Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Organophosphorus Pesticides	DG9H		HCL	2	SI-33GCV	SUB PASI GCV

Special Requirements: Report C, QC Limits (C),CA PWS CLIP (1687),PEG Level LE (1550)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2506811-01	COC Number:	---	Receive Date:	04/29/2025 10:35
	Project Number:	---	Sampling Date:	04/26/2025 09:15
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SOUTH BASIN WEST INLET	Lab Matrix:	Water
	Sampled By:	Client	Sample Type:	Water
2506811-02	COC Number:	---	Receive Date:	04/29/2025 10:35
	Project Number:	---	Sampling Date:	04/26/2025 09:45
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SOUTH BASIN EAST INLET	Lab Matrix:	Water
	Sampled By:	Client	Sample Type:	Water

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2506811-01		Client Sample Name: SOUTH BASIN WEST INLET, 4/26/2025 9:15:00AM, Client						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	66.0	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	05/02/25 11:50	05/12/25 10:53	HAH	GC-18	1	B211435	EPA 3510C

DCN = Data Continuation Number

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2506811-02		Client Sample Name: SOUTH BASIN EAST INLET, 4/26/2025 9:45:00AM, Client						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	75.0	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	05/02/25 11:50	05/12/25 11:23	HAH	GC-18	1.010	B211435	EPA 3510C

DCN = Data Continuation Number

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B211435							
Azinphos methyl	B211435-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B211435-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B211435-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B211435-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B211435-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B211435-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B211435-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B211435-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B211435-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B211435-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B211435-BLK1	ND	ug/L	0.20	0.050		1
Naled	B211435-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B211435-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B211435-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B211435-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B211435-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B211435-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	B211435-BLK1	87.0	%	50 - 130 (LCL - UCL)			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B211435-BLK1	PB	EPA-8141A	05/02/25	05/12/25 09:24	HAH	GC-18	1

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	
								Percent Recovery	RPD	Quals	Run #
QC Batch ID: B211435											
Bolstar	B211435-BS1	LCS	1.5150	2.0000	ug/L	75.8		50 - 130			1
	B211435-BSD1	LCSD	1.5500	2.0000	ug/L	77.5	2.3	50 - 130	30		2
Chlorpyrifos	B211435-BS1	LCS	1.6750	2.0000	ug/L	83.8		60 - 120			1
	B211435-BSD1	LCSD	1.6150	2.0000	ug/L	80.8	3.6	60 - 120	30		2
Diazinon	B211435-BS1	LCS	1.7400	2.0000	ug/L	87.0		60 - 130			1
	B211435-BSD1	LCSD	1.6350	2.0000	ug/L	81.8	6.2	60 - 130	30		2
Methyl parathion	B211435-BS1	LCS	1.6800	2.0000	ug/L	84.0		60 - 120			1
	B211435-BSD1	LCSD	1.6100	2.0000	ug/L	80.5	4.3	60 - 120	30		2
Mevinphos	B211435-BS1	LCS	1.9450	2.0000	ug/L	97.2		50 - 120			1
	B211435-BSD1	LCSD	1.9300	2.0000	ug/L	96.5	0.8	50 - 120	30		2
Ronnel (Fenchlorphos)	B211435-BS1	LCS	1.8150	2.0000	ug/L	90.8		50 - 120			1
	B211435-BSD1	LCSD	1.7000	2.0000	ug/L	85.0	6.5	50 - 120	30		2
Stirophos (Tetrachlorvinphos)	B211435-BS1	LCS	1.6500	2.0000	ug/L	82.5		50 - 120			1
	B211435-BSD1	LCSD	1.6050	2.0000	ug/L	80.2	2.8	50 - 120	30		2
Triphenylphosphate (Surrogate)	B211435-BS1	LCS	4.1300	2.5000	ug/L	165		50 - 130		S09	1
	B211435-BSD1	LCSD	4.2500	2.5000	ug/L	170	2.9	50 - 130		S09	2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run		Analyst	Instrument	Dilution
					Date	Time			
1	B211435-BS1	LCS	EPA-8141A	05/02/25	05/12/25	09:54	HAH	GC-18	1
2	B211435-BSD1	LCSD	EPA-8141A	05/02/25	05/12/25	10:24	HAH	GC-18	1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

Reported: 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL Method Detection Limit
ND Analyte Not Detected
PQL Practical Quantitation Limit
S09 The surrogate recovery for this compound was not within the control limits.

Laboratory Job Number 531817

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2504M23

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 079649

Project: EO-531817

Project Location:

Project Received: 04/29/2025

Analytical Report reviewed & approved for release on 05/02/2025 by:

Yen Cao

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.





Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

WorkOrder: 2504M23

Project: EO-531817

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

WorkOrder: 2504M23

Project: EO-531817

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count," greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3 Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

Quality Control Qualifiers

F2 LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.



Analytical Report

Client: Enthalpy Analytical
Date Received: 04/29/2025 11:04
Date Prepared: 04/30/2025
Project: EO-531817

WorkOrder: 2504M23
Extraction Method: E8151A
Analytical Method: E8151A
Unit: µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN WEST INLET	2504M23-001A	Water	04/26/2025 09:15	GC15A 04302518.D	316393

Analytes	Result	MDL	RL	DE	Date Analyzed
Acifluorfen	ND	2.6	10	10	04/30/2025 20:29
Bentazon	ND	4.1	10	10	04/30/2025 20:29
Chloramben	ND	3.1	10	10	04/30/2025 20:29
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	04/30/2025 20:29
2,4-DB	ND	2.1	10	10	04/30/2025 20:29
Dalapon	ND	3.9	10	10	04/30/2025 20:29
DCPA (mono & diacid)	ND	1.4	10	10	04/30/2025 20:29
Dicamba	ND	0.59	2.0	10	04/30/2025 20:29
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	04/30/2025 20:29
Dichloroprop	ND	1.8	10	10	04/30/2025 20:29
Dinoseb (DNBP)	ND	1.8	10	10	04/30/2025 20:29
MCPA	ND	14	20	10	04/30/2025 20:29
MCPP	ND	7.7	20	10	04/30/2025 20:29
4-Nitrophenol	ND	5.0	10	10	04/30/2025 20:29
Pentachlorophenol (PCP)	ND	0.55	2.0	10	04/30/2025 20:29
Picloram	ND	3.5	10	10	04/30/2025 20:29
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	04/30/2025 20:29
2,4,5-TP (Silvex)	ND	1.4	5.0	10	04/30/2025 20:29

Surrogates	REC (%)	Limits	
DCAA	83	60-140	04/30/2025 20:29

Analyst(s): DP

Analytical Comments: a3

(Cont.)



Analytical Report

Client: Enthalpy Analytical
Date Received: 04/29/2025 11:04
Date Prepared: 04/30/2025
Project: EO-531817

WorkOrder: 2504M23
Extraction Method: E8151A
Analytical Method: E8151A
Unit: µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN EAST INLET	2504M23-002A	Water	04/26/2025 09:45	GC15A 04302519.D	316393

Analytes	Result	MDL	RL	DE	Date Analyzed
Acifluorfen	ND	2.6	10	10	04/30/2025 20:54
Bentazon	ND	4.1	10	10	04/30/2025 20:54
Chloramben	ND	3.1	10	10	04/30/2025 20:54
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	04/30/2025 20:54
2,4-DB	ND	2.1	10	10	04/30/2025 20:54
Dalapon	ND	3.9	10	10	04/30/2025 20:54
DCPA (mono & diacid)	ND	1.4	10	10	04/30/2025 20:54
Dicamba	ND	0.59	2.0	10	04/30/2025 20:54
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	04/30/2025 20:54
Dichloroprop	ND	1.8	10	10	04/30/2025 20:54
Dinoseb (DNBP)	ND	1.8	10	10	04/30/2025 20:54
MCPA	ND	14	20	10	04/30/2025 20:54
MCPP	ND	7.7	20	10	04/30/2025 20:54
4-Nitrophenol	ND	5.0	10	10	04/30/2025 20:54
Pentachlorophenol (PCP)	ND	0.55	2.0	10	04/30/2025 20:54
Picloram	ND	3.5	10	10	04/30/2025 20:54
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	04/30/2025 20:54
2,4,5-TP (Silvex)	ND	1.4	5.0	10	04/30/2025 20:54

Surrogates	REC (%)	Limits	
DCAA	97	60-140	04/30/2025 20:54

Analyst(s): DP **Analytical Comments:** a3



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 04/30/2025
Date Analyzed: 04/30/2025
Instrument: GC15A
Matrix: Water
Project: EO-531817

WorkOrder: 2504M23
BatchID: 316393
Extraction Method: E8151A
Analytical Method: E8151A
Unit: µg/L
Sample ID: MB/LCS/LCSD-316393

QC Summary Report for E8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	11			10	107	70-130

(Cont.)



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 04/30/2025
Date Analyzed: 04/30/2025
Instrument: GC15A
Matrix: Water
Project: EO-531817

WorkOrder: 2504M23
BatchID: 316393
Extraction Method: E8151A
Analytical Method: E8151A
Unit: µg/L
Sample ID: MB/LCS/LCSD-316393

QC Summary Report for E8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	10	11	10	104	107	70-130	2.55	30
Bentazon	10	11	10	105	110	70-130	4.54	30
Chloramben	10	10	10	100	104	70-130	3.39	30
2,4-D (Dichlorophenoxyacetic acid)	9.4	10	10	94	101	70-130	7.24	30
2,4-DB	11	11	10	107	114	70-130	6.62	30
Dalapon	10	12	10	105	119	70-130	12.5	30
DCPA (mono & diacid)	10	11	10	103	108	70-130	4.32	30
Dicamba	9.9	11	10	99	109	70-130	8.99	30
3,5-Dichlorobenzoic Acid	9.6	11	10	96	108	70-130	11.5	30
Dichloroprop	10	11	10	105	110	70-130	4.94	30
Dinoseb (DNBP)	9.8	10	10	98	100	70-130	2.46	30
MCPA	83	93	100	83	93	70-130	11.5	30
MCPP	86	100	100	86	100	70-130	14.4	30
4-Nitrophenol	14	15	10	138,F2	150,F2	70-130	8.53	30
Pentachlorophenol (PCP)	9.9	11	10	99	106	70-130	7.21	30
Picloram	12	12	10	118	118	70-130	0.407	30
2,4,5-T (Trichlorophenoxy acetic acid)	11	11	10	108	113	70-130	4.53	30
2,4,5-TP (Silvex)	10	11	10	101	107	70-130	5.83	30
Surrogate Recovery								
DCAA	10	11	10	101	110	70-130	8.76	30

McCampbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

☐ WaterTrax ☐ CLIP ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2504M23

ClientCode: ENO

QuoteID: 252619

☐ EQulS ☐ Dry-Weight ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Excel [A1_Standard_QC]

Report to:

Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531817

Bill to:

Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT:

3 days;

Date Received: 04/29/2025

Date Logged: 04/29/2025

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504M23-001	SOUTH BASIN WEST INLET	Water	4/26/2025 09:15	☐	A	A										
2504M23-002	SOUTH BASIN EAST INLET	Water	4/26/2025 09:45	☐	A	A										

Test Legend:

1	8151_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mcccampbell.com / E-mail: main@mcccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL

Project: EO-531817

Work Order: 2504M23

Client Contact: Zach Barker

QC Level: LEVEL 2

Contact's Email: zach.barker@enthalpy.com

Comments:

Date Logged: 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☒ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN WEST INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	4/26/2025 9:15	3 days	5/2/2025	Present	☐	☐
002A	SOUTH BASIN EAST INLET	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	4/26/2025 9:45	3 days	5/2/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504 M23

Subcontract Laboratory:

McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531817

PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT

Report Level: II

Report To: MDL

EDDs: Standard Excel
EDD

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	26-APR-2025 09:15	531817-001	1	Water	EPA 8151A Chlorinated Herbicides	
SOUTH BASIN EAST INLET	26-APR-2025 09:45	531817-002	1	Water	EPA 8151A Chlorinated Herbicides	

Notes:

Relinquished By:

Received By:

Date:

Date:

Date:

Date:

Date:

Date:

GIS: 562943407

2.7 wet 1K45 10688



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531817

Date and Time Received: 4/29/2025 11:04

Date Logged: 4/29/2025

Received by: Carolina Garcia

Logged by: Carolina Garcia

WorkOrder No: 2504M23 Matrix:
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Sample IDs noted by Client on COC?	Yes ☒	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☒	No ☐	
Sampler's name noted on COC?	Yes ☒	No ☐	
COC agrees with Quote?	Yes ☒	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☒
Shipping container/cooler in good condition?	Yes ☒	No ☐	
Samples in proper containers/bottles?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☒	No ☐	NA ☐
Samples Received on Ice?	Yes ☒	No ☐	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.7°C	NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐ No ☐	NA ☒
Sample labels checked for correct preservation?	Yes ☒ No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐ No ☐	NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐ No ☐	NA ☒
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐ No ☐	NA ☒

Comments:

Laboratory Job Number 531817

Subcontracted Products

Enthalpy - El Dorado Hills



May 11, 2025

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2504330**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on April 29, 2025 under your Project Name 'EO-531817'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

A handwritten signature in black ink that reads 'Byron Clack'.

Byron Clack For Mark Rein
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH.

Enthalpy Analytical - EDH Work Order No. 2504330

Case Narrative

Sample Condition on Receipt:

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 8290A

The sample was extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2504330-01	SOUTH BASIN WEST INLET	26-Apr-25 09:15	29-Apr-25 11:15	Amber Glass NM Bottle, 1L
2504330-02	SOUTH BASIN EAST INLET	26-Apr-25 09:45	29-Apr-25 11:15	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank				EPA Method 8290A		
Client Data Name: Enthalpy Analytical Project: EO-531817 Matrix: Aqueous		Laboratory Data Lab Sample: B25E065-BLK1 QC Batch: B25E065 Date Extracted: 06-May-25 Sample Size: 1.00 L Column: ZB-DIOXIN				
Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.78	5.00		07-May-25 22:16	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	87.7	40 - 135		07-May-25 22:16	1
37Cl-2,3,7,8-TCDD	CRS	92.5	40 - 135		07-May-25 22:16	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: OPR				EPA Method 8290A			
Client Data Name: Enthalpy Analytical Project: EO-531817 Matrix: Aqueous			Laboratory Data Lab Sample: B25E065-BS1 QC Batch: B25E065 Date Extracted: 06-May-25 03:50 Sample Size: 1.00 L Column: ZB-DIOXIN				
Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	176	200	88.0	70 - 130		07-May-25 19:56	1
Labeled Standards	Type		% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS		103	40 - 135		07-May-25 19:56	1
37Cl-2,3,7,8-TCDD	CRS		110	40 - 135		07-May-25 19:56	1

Sample ID: SOUTH BASIN WEST INLET					EPA Method 8290A	
Client Data			Laboratory Data			
Name:	Enthalpy Analytical		Lab Sample:	2504330-01	Date Received:	29-Apr-25 11:15
Project:	EO-531817		QC Batch:	B25E065	Date Extracted:	06-May-25
Matrix:	Water		Sample Size:	1.03 L	Column:	ZB-DIOXIN
Date Collected:	26-Apr-25 09:15					
Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.73	4.86		07-May-25 23:03	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	88.2	40 - 135		07-May-25 23:03	1
37Cl-2,3,7,8-TCDD	CRS	97.1	40 - 135		07-May-25 23:03	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: SOUTH BASIN EAST INLET					EPA Method 8290A	
Client Data			Laboratory Data			
Name:	Enthalpy Analytical		Lab Sample:	2504330-02	Date Received:	29-Apr-25 11:15
Project:	EO-531817		QC Batch:	B25E065	Date Extracted:	06-May-25
Matrix:	Water		Sample Size:	1.02 L	Column:	ZB-DIOXIN
Date Collected:	26-Apr-25 09:45					
Analyte	Conc. (pg/L)	MDL	RL	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.75	4.92		07-May-25 23:50	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	88.8	40 - 135		07-May-25 23:50	1
37Cl-2,3,7,8-TCDD	CRS	97.4	40 - 135		07-May-25 23:50	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at [Enthalpy.com/Resources/Accreditations](https://enthalpy.com/Resources/Accreditations).



ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504330 1.9°C

Subcontract Laboratory:

Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-531817

PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT

Report Level: II

Report To: MDL

EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	26-APR-2025 09:15	531817-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	
SOUTH BASIN EAST INLET	26-APR-2025 09:45	531817-002	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:

Relinquished By:

Received By:

Anna Deloit EA-01a

Kelia Nadsworth Kelia Nadsworth

Date: 4/28/25 14:30

Date: 04/29/25 1115

Date:

Date:

Date:

Date:

CoC/Label Reconciliation Report WO# 2504330

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2504330-01	A SOUTH BASIN WEST INLET	531817-001	26-Apr-25 09:15	Amber Glass NM Bottle, 1L	Aqueous	
2504330-02	A SOUTH BASIN EAST INLET	531817-002	26-Apr-25 09:45	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments: ③ no backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: WMS 04/29/25
YBB 04/29/25



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531819
Report Level : II
Report Date : 05/09/2025

Analytical Report *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

Authorized for release by:

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #: 531819
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 04/26/25

Sample ID	Lab ID	Collected	Matrix
SOUTH BASIN WEST INLET	531819-001	04/26/25 09:15	Water
SOUTH BASIN EAST INLET	531819-002	04/26/25 09:45	Water
TRIP BLANK	531819-003	04/26/25 00:00	Water

Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Kate Logan

Lab Job Number: 531819
Project No: SW -
MPARS
Location: SW -
MPARS
Date Received: 04/26/25

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 370234; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):

No analytical problems were encountered.

Metals (EPA 200.7 and EPA 200.8):

- High recoveries were observed for boron in the MS/MSD for batch 369931; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for boron.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

No analytical problems were encountered.

Conductivity (SM2510B):

No analytical problems were encountered.

Alkalinity (SM2320B):

No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):

No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):

No analytical problems were encountered.

Turbidity (SM2130B):

No analytical problems were encountered.

RSK-175 CO2 (RSK-175):

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.



ENTHALPY

ANALYTICAL

Chain of Custody Record

Lab No: 531819

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
Water DW = Drinking Water SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 =
Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other

Sample Receipt

(lab use only)

CUSTOMER INFORMATION

Company: CHIQUITA CANYON LANDFILL
Report To: KATE LOGAN
Email: Kate.Logan@Waste.Connections.com
Address: 29201 Henry Mayo Dr
Castic, Ca 91384
Phone: 682-559-3880
Fax:

PROJECT INFORMATION

LIMS Account: CTEH-CHIQUITA
LIMS Proj. Name: WC CHIQUITACANYON LF
Project #: Proj-037507
P.O. #: PO-4050-24-00351
Address: 29201 Henry Mayo Dr., Castaic, CA
Global ID:
Sampled By: CH ST

Analysis Request

TOTAL METALS	8260 + APPENDIX II	300.0 NO ₃ ,BROMINE, FLURIDE, SO ₄	TOC	COD	8270 SIM 1 4-DIONANE	SLK, BICARB, TDS	SULFIDE
X	X	X	X	X	X	X	X

Test Instructions / Comments

MPARS

Email report to:

Eqs + 6.79
4.6cWest 7.63
9.6c

Login 531819



Signature

Print Name

Company / Title

Date / Time

1 Relinquished By:

1 Received By:

2 Relinquished By:

2 Received By:

3 Relinquished By:

3 Received By:

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 04/26/25 WO# 531819 Client: WASTE CONNECTIONS

Section 2: Shipping / Custody

Are custody seals present? ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☒ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.1 / 9.1 #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples

YES NO N/A

1) Were custody papers present, filled properly, and legible?

X

2) Is the sampler's name present on the CoC?

X

3) Were containers received in good condition (unbroken / unopened / uncompromised)?

X

4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)

X

5) Were all of, and only, the correct samples received?

X

6) Are sample labels present, legible, and in agreement with the CoC?

X

7) Does the container count match the CoC?

X

8) Was sufficient sample volume / mass received for the analyses requested?

X

9) Were samples received in proper containers for the analyses requested?

X

10) Were samples received with > 1/2 holding time remaining?

X

11) Are samples properly preserved as indicated by CoC / labels?

X

12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?

X

13) Are VOA vials free from headspace/bubbles > 6mm?

X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

4.13) SAMPLE 002 - 1 OF 3 HCL PRES. VOA VIALS W/ HEADSPACE > 6MM

SAMPLE 003 - 1 OF 1 HCL PRES. VOA VIAL W/ HEADSPACE > 6MM

☐ No additional discrepancies

Date Logged 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Date Labeled 04/26/25 By (print) JELBERT R QUITUGUA

(sign)

Analysis Results for 531819

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531819
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 04/26/25

Sample ID:	Lab ID: 531819-001	Collected: 04/26/25 09:15
SOUTH BASIN WEST INLET	Matrix: Water	

531819-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7										
Prep Method: EPA 3015A										
Calcium	52		mg/L	0.57	0.57	1	369903	04/28/25	04/29/25	SBW
Magnesium	12		mg/L	0.10	0.025	1	369903	04/28/25	04/29/25	SBW
Potassium	14		mg/L	0.50	0.40	1	369903	04/28/25	04/29/25	SBW
Sodium	29		mg/L	0.50	0.35	1	369903	04/28/25	04/29/25	SBW
Method: EPA 200.8										
Prep Method: EPA 3015A										
Boron	89		ug/L	50	28	5	369931	04/28/25	04/30/25	KAM
Manganese	400		ug/L	100	43	10	369931	04/28/25	04/29/25	KAM
Method: EPA 300.0										
Prep Method: METHOD										
Fluoride	0.23		mg/L	0.20	0.034	1	370505	05/05/25 18:00	05/06/25 00:10	SSN
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	369831	04/26/25 18:00	04/26/25 19:57	SSN
Bromide	ND		mg/L	0.30	0.060	1	370505	05/05/25 18:00	05/06/25 00:10	SSN
Nitrogen, Nitrate	0.63		mg/L	0.10	0.05	1	369831	04/26/25 18:00	04/26/25 19:57	SSN
Sulfate	28		mg/L	1.0	0.18	1	370505	05/05/25 18:00	05/06/25 00:10	SSN
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	370234	05/01/25	05/01/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromomethane	ND		ug/L	5.0	0.8	1	370234	05/01/25	05/01/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Acetone	32	J	ug/L	100	17	1	370234	05/01/25	05/01/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	370234	05/01/25	05/01/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Butanone	4.0	J	ug/L	100	2.0	1	370234	05/01/25	05/01/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST

Analysis Results for 531819

531819-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	370234	05/01/25	05/01/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Toluene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370234	05/01/25	05/01/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Styrene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	370234	05/01/25	05/01/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
para-Isopropyl Toluene	0.1	J	ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370234	05/01/25	05/01/25	ZST
Surrogates			Limits							
Dibromofluoromethane	101%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane-d4	122%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Toluene-d8	94%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 531819

531819-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	5.0	4.8	5	370011	04/29/25	04/30/25	ZFA
Surrogates			Limits							
1,4-Dioxane-d8 (SUR)	96%		%REC	80-120		5	370011	04/29/25	04/30/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	190		mg/L	4.0	2.7	4	369964	04/29/25	04/29/25	CKN
Method: SM2130B										
Turbidity	1,400		NTU	0.20	0.12	1	369829	04/26/25 15:39	04/26/25 15:39	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	120		mg/L	8.0		3.3	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	99		mg/L	6.7		3.3	369916	04/28/25	04/28/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	1,490		umhos/cm	1.0		1	370152	04/30/25	04/30/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	400		mg/L	20		2	369929	04/28/25	04/29/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	400		mg/L	4.0	2.0	1	370441	05/04/25	05/04/25	TDD

Analysis Results for 531819

Sample ID: SOUTH BASIN EAST INLET	Lab ID: 531819-002 Matrix: Water	Collected: 04/26/25 09:45
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531819-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 3015A										
Calcium	360		mg/L	0.57	0.57	1	369903	04/28/25	04/29/25	SBW
Magnesium	66		mg/L	0.10	0.025	1	369903	04/28/25	04/29/25	SBW
Potassium	29		mg/L	0.50	0.40	1	369903	04/28/25	04/29/25	SBW
Sodium	130		mg/L	0.50	0.35	1	369903	04/28/25	04/29/25	SBW
Method: EPA 200.8 Prep Method: EPA 3015A										
Boron	280		ug/L	100	56	10	369931	04/28/25	04/29/25	KAM
Manganese	2,000		ug/L	100	43	10	369931	04/28/25	04/29/25	KAM
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.24		mg/L	0.20	0.034	1	370505	05/05/25 18:00	05/06/25 00:30	SSN
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	369831	04/26/25 18:00	04/26/25 18:50	SSN
Bromide	0.29	J	mg/L	0.30	0.060	1	370505	05/05/25 18:00	05/06/25 00:30	SSN
Nitrogen, Nitrate	2.1		mg/L	0.10	0.05	1	369831	04/26/25 18:00	04/26/25 18:50	SSN
Sulfate	730		mg/L	10	1.8	10	369831	04/26/25 18:00	04/26/25 19:40	SSN
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.6	1	370234	05/01/25	05/01/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
Chloromethane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromomethane	ND		ug/L	5.0	0.8	1	370234	05/01/25	05/01/25	ZST
Chloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Acetone	21	J	ug/L	100	17	1	370234	05/01/25	05/01/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Methylene Chloride	ND		ug/L	5.0	3.5	1	370234	05/01/25	05/01/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Butanone	3.8	J	ug/L	100	2.0	1	370234	05/01/25	05/01/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chloroform	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromomethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST

Analysis Results for 531819

531819-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	1.5	J	ug/L	5.0	1.4	1	370234	05/01/25	05/01/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Toluene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	370234	05/01/25	05/01/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Styrene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
Bromoform	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.09	1	370234	05/01/25	05/01/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	370234	05/01/25	05/01/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	370234	05/01/25	05/01/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	370234	05/01/25	05/01/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	370234	05/01/25	05/01/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	370234	05/01/25	05/01/25	ZST
Xylene (total)	ND		ug/L	5.0		1	370234	05/01/25	05/01/25	ZST
Surrogates			Limits							
Dibromofluoromethane	102%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
1,2-Dichloroethane-d4	122%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Toluene-d8	93%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	370234	05/01/25	05/01/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	25	24	25	370011	04/29/25	04/30/25	XLV
Surrogates			Limits							
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		25	370011	04/29/25	04/30/25	XLV

Analysis Results for 531819

531819-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	370312	05/02/25	05/02/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	15		mg/L	2.0	1.4	2	369964	04/29/25	04/29/25	CKN
Method: SM2130B										
Turbidity	33,000		NTU	10	6.2	50	369829	04/26/25 15:39	04/26/25 15:39	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	88		mg/L	4.8		2	369916	04/28/25	04/28/25	WWC
Alkalinity, Total as CaCO3	86		mg/L	4.0		2	369916	04/28/25	04/28/25	WWC
Method: SM2510B Prep Method: METHOD										
Specific Conductance	1,470		umhos/cm	1.0		1	369920	04/28/25	04/28/25	RDL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	1,100		mg/L	20		2	369909	04/28/25	04/29/25	RDL
Method: SM5220D Prep Method: METHOD										
Chemical Oxygen Demand	2,200		mg/L	20	9.8	5	370441	05/04/25	05/04/25	TDD

J Estimated value

ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1252528	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252528 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.57	0.57	04/28/25	04/29/25
Magnesium	ND		mg/L	0.10	0.025	04/28/25	04/29/25
Potassium	ND		mg/L	0.50	0.40	04/28/25	04/29/25
Sodium	ND		mg/L	0.50	0.35	04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252529	Batch: 369903
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	19.86	20.40	mg/L	97%		85-115
Magnesium	19.63	20.40	mg/L	96%		85-115
Potassium	22.48	24.00	mg/L	94%		85-115
Sodium	19.38	20.40	mg/L	95%		85-115

Type: Matrix Spike	Lab ID: QC1252530	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252530 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	67.59	47.70	20.40	mg/L	97%		75-125	1
Magnesium	54.29	34.45	20.40	mg/L	97%		75-125	1
Potassium	28.51	5.246	24.00	mg/L	97%		75-125	1
Sodium	72.68	53.48	20.40	mg/L	94%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1252531	Batch: 369903
Matrix (Source ID): Water (531753-003)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	67.80	47.70	20.40	mg/L	99%		75-125	0	20	1
Magnesium	54.68	34.45	20.40	mg/L	99%		75-125	1	20	1
Potassium	28.49	5.246	24.00	mg/L	97%		75-125	0	20	1
Sodium	73.01	53.48	20.40	mg/L	96%		75-125	0	20	1

Type: Serial Dilution	Lab ID: QC1252873	Batch: 369903
Matrix (Source ID): Water (531666-001)	Method: EPA 200.7	Prep Method: EPA 3015A

QC1252873 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Calcium	176.7	174.6	mg/L				5
Magnesium	30.66	29.93	mg/L				5
Potassium	6.879	7.248	mg/L				5
Sodium	83.73	83.55	mg/L				5

Batch QC

Type: Blank	Lab ID: QC1252604	Batch: 369931
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252604 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		ug/L	10	5.6	04/28/25	04/28/25
Manganese	ND		ug/L	10	4.3	04/28/25	04/28/25

Type: Lab Control Sample	Lab ID: QC1252605	Batch: 369931
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252605 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	93.34	100.0	ug/L	93%		85-115
Manganese	99.71	100.0	ug/L	100%		85-115

Type: Matrix Spike	Lab ID: QC1252606	Batch: 369931
Matrix (Source ID): Water (531729-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	5,631	5625	100.0	ug/L	5%	E,NM	70-130	25
Manganese	2,570	2412	100.0	ug/L	159%	E,NM	70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1252607	Batch: 369931
Matrix (Source ID): Water (531729-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252607 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	5,801	5625	100.0	ug/L	176%	E,NM	70-130		20	25
Manganese	2,668	2412	100.0	ug/L	256%	E,NM	70-130		20	1

Type: Matrix Spike	Lab ID: QC1252608	Batch: 369931
Matrix (Source ID): Water (531776-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252608 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	333.7	63.97	100.0	ug/L	270%	*	70-130	25
Manganese	95.57	ND	100.0	ug/L	96%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1252609	Batch: 369931
Matrix (Source ID): Water (531776-001)	Method: EPA 200.8	Prep Method: EPA 3015A

QC1252609 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	206.6	63.97	100.0	ug/L	143%	*	70-130	47*	20	25
Manganese	93.84	ND	100.0	ug/L	94%		70-130	2	20	1

Batch QC

Type: Blank	Lab ID: QC1252247	Batch: 369831
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1252247 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	04/26/25 18:00	04/26/25 18:16
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	04/26/25 18:00	04/26/25 18:16
Sulfate	ND		mg/L	1.0	0.18	04/26/25 18:00	04/26/25 18:16

Type: Lab Control Sample	Lab ID: QC1252248	Batch: 369831
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1252248 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	4.439	4.567	mg/L	97%		90-110
Nitrogen, Nitrate	4.322	4.518	mg/L	96%		90-110
Sulfate	24.38	25.00	mg/L	98%		90-110

Type: Blank	Lab ID: QC1254608	Batch: 370505
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254608 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	05/05/25 18:00	05/05/25 18:21
Bromide	ND		mg/L	0.30	0.060	05/05/25 18:00	05/05/25 18:21
Sulfate	ND		mg/L	1.0	0.18	05/05/25 18:00	05/05/25 18:21

Type: Lab Control Sample	Lab ID: QC1254609	Batch: 370505
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1254609 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.122	10.00	mg/L	91%		90-110
Bromide	15.32	15.00	mg/L	102%		90-110
Sulfate	25.15	25.00	mg/L	101%		90-110

Type: Matrix Spike	Lab ID: QC1254632	Batch: 370505
Matrix (Source ID): Water (532353-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254632 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.38	0.6905	20.00	mg/L	98%		80-120	1
Bromide	15.82	1.538	15.00	mg/L	95%		80-120	1
Sulfate	520.8	624.2	50.00	mg/L	-207%	E,NM	80-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1254633	Batch: 370505
Matrix (Source ID): Water (532353-005)	Method: EPA 300.0	Prep Method: METHOD

QC1254633 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.33	0.6905	20.00	mg/L	98%		80-120	0	20	1
Bromide	18.03	1.538	15.00	mg/L	110%		80-120	13	20	1
Sulfate	520.8	624.2	50.00	mg/L	-207%	E,NM	80-120		20	1

Type: Lab Control Sample	Lab ID: QC1253598	Batch: 370234
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1253598 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.99	50.00	ug/L	94%		70-135
MTBE	49.17	50.00	ug/L	98%		70-130
Benzene	47.70	50.00	ug/L	95%		70-130
Trichloroethene	40.72	50.00	ug/L	81%		70-130
Toluene	42.48	50.00	ug/L	85%		70-130
Chlorobenzene	40.44	50.00	ug/L	81%		70-130
Surrogates						
Dibromofluoromethane	49.46	50.00	ug/L	99%		70-130
1,2-Dichloroethane-d4	57.43	50.00	ug/L	115%		70-130
Toluene-d8	47.32	50.00	ug/L	95%		70-130
Bromofluorobenzene	52.16	50.00	ug/L	104%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1253599	Batch: 370234
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1253599 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.97	50.00	ug/L	88%		70-135	7	30
MTBE	47.75	50.00	ug/L	95%		70-130	3	30
Benzene	45.54	50.00	ug/L	91%		70-130	5	30
Trichloroethene	38.90	50.00	ug/L	78%		70-130	5	30
Toluene	40.78	50.00	ug/L	82%		70-130	4	30
Chlorobenzene	38.89	50.00	ug/L	78%		70-130	4	30
Surrogates								
Dibromofluoromethane	49.09	50.00	ug/L	98%		70-130		
1,2-Dichloroethane-d4	56.60	50.00	ug/L	113%		70-130		
Toluene-d8	47.46	50.00	ug/L	95%		70-130		
Bromofluorobenzene	52.27	50.00	ug/L	105%		70-130		

Batch QC

Type: Blank	Lab ID: QC1253602	Batch: 370234
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1253602 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	05/01/25	05/01/25
Freon 12	ND		ug/L	5.0	0.3	05/01/25	05/01/25
Chloromethane	ND		ug/L	5.0	0.4	05/01/25	05/01/25
Vinyl Chloride	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromomethane	ND		ug/L	5.0	0.8	05/01/25	05/01/25
Chloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Acetone	ND		ug/L	100	17	05/01/25	05/01/25
Freon 113	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Methylene Chloride	ND		ug/L	5.0	3.5	05/01/25	05/01/25
MTBE	ND		ug/L	5.0	0.1	05/01/25	05/01/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
2-Butanone	ND		ug/L	100	2.0	05/01/25	05/01/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Chloroform	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromochloromethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Benzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Trichloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromodichloromethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Dibromomethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	05/01/25	05/01/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Toluene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Tetrachloroethene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Dibromochloromethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Chlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Ethylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
m,p-Xylenes	ND		ug/L	10	0.2	05/01/25	05/01/25
o-Xylene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Styrene	ND		ug/L	5.0	0.08	05/01/25	05/01/25
Bromoform	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Isopropylbenzene	ND		ug/L	5.0	0.09	05/01/25	05/01/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	05/01/25	05/01/25

Batch QC

QC1253602 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
Bromobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	05/01/25	05/01/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
n-Butylbenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	05/01/25	05/01/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Naphthalene	ND		ug/L	5.0	0.3	05/01/25	05/01/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	05/01/25	05/01/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	05/01/25	05/01/25
Xylene (total)	ND		ug/L	5.0		05/01/25	05/01/25
Surrogates	Limits						
Dibromofluoromethane	100%		%REC	70-130		05/01/25	05/01/25
1,2-Dichloroethane-d4	119%		%REC	70-130		05/01/25	05/01/25
Toluene-d8	94%		%REC	70-130		05/01/25	05/01/25
Bromofluorobenzene	99%		%REC	70-130		05/01/25	05/01/25

Type: Matrix Spike	Lab ID: QC1253606	Batch: 370234
Matrix (Source ID): Water (532059-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1253606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	14.05	ND	20.00	ug/L	70%		70-130	1
MTBE	15.97	ND	20.00	ug/L	80%		75-130	1
Benzene	14.31	ND	20.00	ug/L	72%		70-130	1
Trichloroethene	12.15	ND	20.00	ug/L	61%	*	63-130	1
Toluene	12.66	ND	20.00	ug/L	63%	*	70-130	1
Chlorobenzene	12.46	ND	20.00	ug/L	62%	*	70-130	1
Surrogates								
Dibromofluoromethane	49.44		50.00	ug/L	99%		70-130	1
1,2-Dichloroethane-d4	59.99		50.00	ug/L	120%		70-130	1
Toluene-d8	46.62		50.00	ug/L	93%		70-130	1
Bromofluorobenzene	50.68		50.00	ug/L	101%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1253607	Batch: 370234
Matrix (Source ID): Water (532059-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1253607 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	13.27	ND	20.00	ug/L	66%	*	70-130	6	30	1
MTBE	16.53	ND	20.00	ug/L	83%		75-130	3	30	1
Benzene	14.63	ND	20.00	ug/L	73%		70-130	2	30	1
Trichloroethene	12.49	ND	20.00	ug/L	62%	*	63-130	3	30	1
Toluene	13.36	ND	20.00	ug/L	67%	*	70-130	5	30	1
Chlorobenzene	12.73	ND	20.00	ug/L	64%	*	70-130	2	30	1
Surrogates										
Dibromofluoromethane	50.19		50.00	ug/L	100%		70-130			1
1,2-Dichloroethane-d4	60.46		50.00	ug/L	121%		70-130			1
Toluene-d8	46.54		50.00	ug/L	93%		70-130			1
Bromofluorobenzene	50.00		50.00	ug/L	100%		70-130			1

Type: Blank	Lab ID: QC1252866	Batch: 370011
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1252866 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	04/29/25	04/30/25
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		04/29/25	04/30/25

Type: Lab Control Sample	Lab ID: QC1252867	Batch: 370011
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1252867 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.892	10.00	ug/L	89%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.981	10.00	ug/L	100%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1252868	Batch: 370011
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1252868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.732	10.00	ug/L	87%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.908	10.00	ug/L	99%		80-120		

Type: Blank	Lab ID: QC1253903	Batch: 370312
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1253903 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		05/02/25	05/02/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1253904	Batch: 370312
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1253904 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1253905	Batch: 370312
Matrix (Source ID): Water (531773-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1253905 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1253906	Batch: 370312
Matrix (Source ID): Water (531773-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1253906 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank	Lab ID: QC1252745	Batch: 369964
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1252745 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	04/29/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252746	Batch: 369964
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1252746 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.13	25.00	mg/L	97%		85-115

Type: Matrix Spike	Lab ID: QC1252747	Batch: 369964
Matrix (Source ID): Water (531641-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1252747 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	52.84	24.94	25.00	mg/L	112%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1252748	Batch: 369964
Matrix (Source ID): Water (531641-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1252748 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Total Organic Carbon	52.08	24.94	25.00	mg/L	109%		75-125	1	25	1

Batch QC

Type: Sample Duplicate	Lab ID: QC1252237	Batch: 369829
Matrix (Source ID): Water (531819-002)	Method: SM2130B	

QC1252237 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	29,750	32650	NTU		9	20	50

Type: Blank	Lab ID: QC1252539	Batch: 369916
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1252539 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	2.0		04/28/25	04/28/25
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		04/28/25	04/28/25

Type: Lab Control Sample	Lab ID: QC1252540	Batch: 369916
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1252540 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	1,008	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1252541	Batch: 369916
Matrix (Source ID): Water (531741-004)	Method: SM2320B	Prep Method: METHOD

QC1252541 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	248.5	253.3	mg/L		2	20	2.5
Alkalinity, Total as CaCO ₃	203.7	207.6	mg/L		2	20	2.5

Type: Sample Duplicate	Lab ID: QC1252558	Batch: 369920
Matrix (Source ID): Water (531713-001)	Method: SM2510B	Prep Method: METHOD

QC1252558 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	1,609	1611	umhos/cm		0	20	1

Type: Sample Duplicate	Lab ID: QC1252563	Batch: 369920
Matrix (Source ID): Water (531819-002)	Method: SM2510B	Prep Method: METHOD

QC1252563 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	1,482	1474	umhos/cm		1	20	1

Batch QC

Type: Sample Duplicate	Lab ID: QC1253328	Batch: 370152
Matrix (Source ID): Water (531657-001)	Method: SM2510B	Prep Method: METHOD

QC1253328 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	66,690	66460	umhos/cm		0	20	1

Type: Sample Duplicate	Lab ID: QC1253337	Batch: 370152
Matrix (Source ID): Water (531657-002)	Method: SM2510B	Prep Method: METHOD

QC1253337 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Specific Conductance	77,000	77380	umhos/cm		0	20	1

Type: Blank	Lab ID: QC1252508	Batch: 369909
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1252508 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/28/25	04/29/25

Type: Lab Control Sample	Lab ID: QC1252509	Batch: 369909
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1252509 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	966.0	1000	mg/L	97%		90-110

Type: Sample Duplicate	Lab ID: QC1252510	Batch: 369909
Matrix (Source ID): Water (531754-001)	Method: SM2540C	Prep Method: METHOD

QC1252510 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,344	1284	mg/L		5	5	2

Type: Sample Duplicate	Lab ID: QC1252535	Batch: 369909
Matrix (Source ID): Water (531761-011)	Method: SM2540C	Prep Method: METHOD

QC1252535 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,602	1574	mg/L		2	5	2

Type: Blank	Lab ID: QC1252600	Batch: 369929
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1252600 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/28/25	04/29/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1252601	Batch: 369929
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1252601 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,040	1000	mg/L	104%		90-110

Type: Sample Duplicate	Lab ID: QC1252602	Batch: 369929
Matrix (Source ID): Water (531819-001)	Method: SM2540C	Prep Method: METHOD

QC1252602 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	410.0	404.0	mg/L		1	5	2

Type: Blank	Lab ID: QC1254380	Batch: 370441
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1254380 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	05/04/25	05/04/25

Type: Lab Control Sample	Lab ID: QC1254381	Batch: 370441
Matrix: Water	Method: SM5220D	Prep Method: METHOD

QC1254381 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	983.0	1000	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC1254382	Batch: 370441
Matrix (Source ID): Water (532203-001)	Method: SM5220D	Prep Method: METHOD

QC1254382 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	1,050	89.00	1000	mg/L	96%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1254383	Batch: 370441
Matrix (Source ID): Water (532203-001)	Method: SM5220D	Prep Method: METHOD

QC1254383 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	1,058	89.00	1000	mg/L	97%		75-125	1	20	2

* Value is outside QC limits
 E Response exceeds instrument's linear range
 ND Not Detected
 NM Not Meaningful

Laboratory Job Number 531819

Subcontracted Products

McCampbell Analytical, Inc.



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"When Quality Counts"

Analytical Report

WorkOrder: 2504M22

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 079649

Project: EO-531819

Project Location:

Project Received: 04/29/2025

Analytical Report reviewed & approved for release on 05/02/2025 by:

Yen Cao

Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

WorkOrder: 2504M22

Project: EO-531819

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

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SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count," greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: Enthalpy Analytical
Date Received: 04/29/2025 11:04
Date Prepared: 04/30/2025
Project: EO-531819

WorkOrder: 2504M22
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN WEST INLET	2504M22-001A	Water	04/26/2025 09:15	GC26 0430250916.D	316493

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Carbon Dioxide	1100	50	50	1	04/30/2025 15:24

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SOUTH BASIN EAST INLET	2504M22-002A	Water	04/26/2025 09:45	GC26 0430250920.D	316493

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Carbon Dioxide	860	50	50	1	04/30/2025 17:03

Analyst(s): CLO



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 04/30/2025
Date Analyzed: 04/30/2025
Instrument: GC26
Matrix: Water
Project: EO-531819

WorkOrder: 2504M22
BatchID: 316493
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-316493

QC Summary Report for RSK175

Analyte	MB Result	MDL	RL			
Carbon Dioxide	ND	50	50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	130	187.2	73	71	70-130	2.39	30

McCampbell Analytical, Inc.



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(925) 252-9262

☐ WaterTrax ☐ CLIP ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2504M22

ClientCode: ENO

QuoteID: 252619

☐ EQulS ☐ Dry-Weight ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

☐ Detection Summary ☒ Excel [A1_Standard_QC]

Report to:

Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531819

Bill to:

Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: 5 days;

Date Received: 04/29/2025

Date Logged: 04/29/2025

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504M22-001	SOUTH BASIN WEST INLET	Water	4/26/2025 09:15	☐	A	A										
2504M22-002	SOUTH BASIN EAST INLET	Water	4/26/2025 09:45	☐	A	A										

Test Legend:

1	PRDisposal Fee	2	RSK175_CO2_W	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Carolina Garcia

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL

Project: EO-531819

Work Order: 2504M22

Client Contact: Zach Barker

QC Level: LEVEL 2

Contact's Email: zach.barker@enthalpy.com

Comments:

Date Logged: 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☒ Excel ☐ EQUIS ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	SOUTH BASIN WEST INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/26/2025 9:15	5 days	5/6/2025	Present	☐	☐
002A	SOUTH BASIN EAST INLET	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/26/2025 9:45	5 days	5/6/2025	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504M22

Subcontract Laboratory:

McC Campbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531819

PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Hold Time RUSH - collected
4/24/25

HOLD TIME RUSH

Report Level: II

Report To: MDL

EDDs: Standard Excel EDD

Notes:

Chiquita Canyon Landfill - Hold Time RUSH - collected 4/24/25

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SOUTH BASIN WEST INLET	26-APR-2025 09:15	531819-001	2X	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25
SOUTH BASIN EAST INLET	26-APR-2025 09:45	531819-002	2X	Water	RSK-175 CO2	Hold Time RUSH - collected 4/24/25

Notes:	Relinquished By:		Received By:	
	<i>D. Vazquez</i> EX-ORA		<i>David Lopez</i>	
	Date: 4/28/25 1430		Date: 4/29/25 1104	
	Date:		Date:	
	Date:		Date:	
	Date:		Date:	



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531819

Date and Time Received: 4/29/2025 11:04

Date Logged: 4/29/2025

Received by: Carolina Garcia

Logged by: Carolina Garcia

WorkOrder No: 2504M22 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Sample IDs noted by Client on COC?	Yes ☒	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☒	No ☐	
Sampler's name noted on COC?	Yes ☒	No ☐	
COC agrees with Quote?	Yes ☒	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	NA ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☒
Shipping container/cooler in good condition?	Yes ☒	No ☐	
Samples in proper containers/bottles?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☒	No ☐	NA ☐
Samples Received on Ice?	Yes ☒	No ☐	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.7°C	NA ☐	
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☒	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☒	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☒
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☒

Comments: