



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

enthalpy.com

Lab Job Number : 537588
Report Level : II
Report Date : 07/30/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly 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, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197



Sample Summary

Steve Cassulo	Lab Job #:	537588
Waste Connections	Project No:	GW MONITORING
Chiquita Canyon Landfill	Location:	Chiquita Canyon Landfill / Quarterly MPars
29201 Henry Mayo	Date Received:	07/14/25
Drive		
Castaic, CA 91384		

Sample ID	Lab ID	Collected	Matrix
DW-14	537588-001	07/14/25 08:22	Water
PZ-4	537588-002	07/14/25 09:36	Water
DW-17	537588-003	07/14/25 10:50	Water
DW-30	537588-004	07/14/25 12:01	Water
QCFB	537588-005	07/14/25 08:27	Water
QCTB	537588-006	07/14/25 00:00	Water

Case Narrative

Waste Connections	Lab Job Number: 537588
Chiquita Canyon Landfill	Project No: GW MONITORING
29201 Henry Mayo Drive	Location: Chiquita Canyon Landfill / Quarterly
Castaic, CA 91384	MPars
Steve Cassulo	Date Received: 07/14/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 07/15/25. The samples were received cold and intact.

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

- High recovery was observed for chlorobenzene in the MS for batch 376811; the parent sample was not a project sample, the BS/BSD were within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated sample.
- 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 6010B):

- Manganese and sodium were detected above the RL in the method blank for batch 376557; these analytes were either not detected in samples at or above the RL, or detected at a level at least 10 times that of the blank. Magnesium was detected between the MDL and the RL in the method blank for batch 376557.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):

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):

- High RPD was observed for total dissolved solids in the SDUP for batch 376886; the parent sample was not a project sample.
- No other analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):

- Low recoveries were observed for chemical oxygen demand in the MS/MSD of DW-3 (lab # 537753-004); the LCS was within limits.
- No other analytical problems were encountered.



Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

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

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Chain of Custody Record

Lab No: 537588

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

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

Sample Receipt Temp:

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

(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments								
Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO ₃	Ammonia-N, Nitrate-N	COD, Cl, SO ₄ , TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide	cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF	
Report To:	Steve Cassulo	Number:	661-257-3655																	
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:																		
Address:	29201 Henry Mayo Drive	Address:																		
	Castaic, CA, 91384																			
Phone:	661-257-3655	Global ID:	L10003464243																	
Fax:		Sampled By:	Paul Chang																	
1	DW-14	7/14/25	822	W	13	var.														
2	P2-4	936																		
3	DW-17	1050																		
4	DW-30	1201																		
5	QCFB	827																		
6	QCTB	-																		
7																				
8																				
9																				
10																				



Login 537588



Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:		Paul Chang		CEI		7/14/25	1305
1 Received By:		Jim Lin		EA-NH		7.14.25	1305
2 Relinquished By:		Jim Lin		EA-NH		7.15.25	8:30
2 Received By:		Gemma O.		EA-NH		7.15.25	8:30
3 Relinquished By:		Gemma O.		EA-NH		7.15.25	10:21
3 Received By:		Nb		Nb		7.15.25	11:50

W111116 7-15-25 1315 Rec: Address EA 7/15/25 1315

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 7.14.25 WO# _____ Client: Chiquita Canyon LF

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☒ No

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

Shipping Info: Walk in or Pickup _____

Section 3a: Condition / Packaging

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

Date Opened 7.14.25 By (initials) JWL

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: IR03 CF: -0.7C

Cooler Temp (°C) #1: 14.3 / 13.6 #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)	<u>X</u>		
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?	<u>X</u>		
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?			<u>X</u>
13) Are VOA vials free from headspace/bubbles > 6mm?	<u>X</u>		<u>X</u>

Section 5: Explanations / Comments

☐ PM notified

Date Logged _____ By (print) _____ (sign) _____

Date Labeled _____ By (print) _____ (sign) _____

Date Received: 7/15/25

WO# 537588

Client: Waste Connections

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:

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

Date Opened 7/15/25

By (initials) NIG

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: IR 13 CF: +0.0

Cooler Temp (°C) #1: 3.8 / 3.8 #2: / #3: / #4: / #5: / #6: /

☐ 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.

☐ No air samples submitted (skip 3c)☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

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		

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

[illegible]☐ No additional discrepancies

Date Logged 7/14/25

By (print) ABD

(sign)

Date Labeled 7/15/25

By (print) EA OR

(sign)

Analysis Results for 537588

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 537588
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 07/14/25

Sample ID: DW-14

Lab ID: 537588-001

Collected: 07/14/25 08:22

Matrix: Water

537588-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.43		mg/L	0.20	0.073	1	376424	07/15/25 15:30	07/15/25 16:14	KUM
Chloride	98		mg/L	1.0	0.27	1	376424	07/15/25 15:30	07/15/25 16:14	KUM
Bromide	0.14	J	mg/L	0.30	0.060	1	376424	07/15/25 15:30	07/15/25 16:14	KUM
Nitrogen, Nitrate	0.31		mg/L	0.10	0.05	1	376424	07/15/25 15:30	07/15/25 16:14	KUM
Sulfate	31		mg/L	1.0	0.18	1	376424	07/15/25 15:30	07/15/25 16:14	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	376840	07/19/25	07/21/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	377063	07/22/25	07/23/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.12		mg/L	0.050	0.0055	1	376557	07/16/25	07/17/25	SBW
Calcium	2.4		mg/L	1.0	0.57	1	376557	07/16/25	07/17/25	SBW
Iron	0.28		mg/L	0.10	0.046	1	376557	07/16/25	07/17/25	SBW
Magnesium	0.21	B	mg/L	0.10	0.025	1	376557	07/16/25	07/17/25	SBW
Manganese	0.0030	B,J	mg/L	0.010	0.0029	1	376557	07/16/25	07/17/25	SBW
Potassium	0.48	J	mg/L	0.50	0.40	1	376557	07/16/25	07/17/25	SBW
Sodium	140		mg/L	0.60	0.35	1	376557	07/16/25	07/17/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Acetone	ND		ug/L	100	8.8	1	376733	07/18/25	07/18/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	376733	07/18/25	07/18/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST

Analysis Results for 537588

537588-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Benzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	376733	07/18/25	07/18/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	376733	07/18/25	07/18/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Xylene (total)	ND		ug/L	5.0		1	376733	07/18/25	07/18/25	ZST
Surrogates				Limits						
Dibromofluoromethane	97%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST

2 of 16 Results for any subcontracted analyses are not included in this section.

Analysis Results for 537588

537588-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	103%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
Toluene-d8	106%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3535

1,4-Dioxane	ND		ug/L	1.0	0.95	1	376555	07/16/25	07/17/25	ZFA
-------------	----	--	------	-----	------	---	--------	----------	----------	-----

Surrogates

Limits

1,4-Dioxane-d8 (SUR)	109%		%REC	80-120		1	376555	07/16/25	07/17/25	ZFA
----------------------	------	--	------	--------	--	---	--------	----------	----------	-----

Method: SM 4500-S2-D

Prep Method: METHOD

Sulfide	ND		mg/L	0.10		1	376462	07/15/25	07/15/25	TXC
---------	----	--	------	------	--	---	--------	----------	----------	-----

Method: SM 5310B

Prep Method: SM 5310B

Total Organic Carbon	1.3		mg/L	1.0	0.68	1	376674	07/17/25	07/18/25	TDD
----------------------	-----	--	------	-----	------	---	--------	----------	----------	-----

Method: SM2320B

Prep Method: METHOD

Alkalinity, Bicarbonate, as CaCO3	120		mg/L	5.0		2.5	376939	07/17/25	07/17/25	WWC
Alkalinity, Total as CaCO3	170		mg/L	5.0		2.5	376939	07/17/25	07/17/25	WWC

Method: SM2540C

Prep Method: METHOD

Total Dissolved Solids	440		mg/L	20		2	376886	07/20/25	07/21/25	RDL
------------------------	-----	--	------	----	--	---	--------	----------	----------	-----

Analysis Results for 537588

Sample ID: PZ-4
Lab ID: 537588-002
Collected: 07/14/25 09:36
Matrix: Water

537588-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.59		mg/L	0.20	0.073	1	376424	07/15/25 15:30	07/15/25 17:04	KUM
Chloride	61		mg/L	1.0	0.27	1	376424	07/15/25 15:30	07/15/25 17:04	KUM
Bromide	0.16	J	mg/L	0.30	0.060	1	376424	07/15/25 15:30	07/15/25 17:04	KUM
Nitrogen, Nitrate	1.2		mg/L	0.10	0.05	1	376424	07/15/25 15:30	07/15/25 17:04	KUM
Sulfate	130		mg/L	10	1.8	10	376424	07/15/25 15:30	07/15/25 17:21	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	377198	07/23/25	07/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	3.0	J	mg/L	4.0	2.0	1	377063	07/22/25	07/23/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.31		mg/L	0.050	0.0055	1	376557	07/16/25	07/17/25	SBW
Calcium	50		mg/L	1.0	0.57	1	376557	07/16/25	07/17/25	SBW
Iron	ND		mg/L	0.10	0.046	1	376557	07/16/25	07/17/25	SBW
Magnesium	9.5		mg/L	0.10	0.025	1	376557	07/16/25	07/17/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	376557	07/16/25	07/17/25	SBW
Potassium	2.1		mg/L	0.50	0.40	1	376557	07/16/25	07/17/25	SBW
Sodium	180		mg/L	0.60	0.35	1	376557	07/16/25	07/17/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Freon 12	0.4	J	ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Acetone	ND		ug/L	100	8.8	1	376733	07/18/25	07/18/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	376733	07/18/25	07/18/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST

Analysis Results for 537588

537588-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	376733	07/18/25	07/18/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	376733	07/18/25	07/18/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Xylene (total)	ND		ug/L	5.0		1	376733	07/18/25	07/18/25	ZST
Surrogates			Limits							
Dibromofluoromethane	92%	%REC	70-130			1	376733	07/18/25	07/18/25	ZST
1,2-Dichloroethane-d4	101%	%REC	70-130			1	376733	07/18/25	07/18/25	ZST
Toluene-d8	106%	%REC	70-130			1	376733	07/18/25	07/18/25	ZST
Bromofluorobenzene	98%	%REC	70-130			1	376733	07/18/25	07/18/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 537588

537588-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	376555	07/16/25	07/17/25	ZFA
Surrogates			Limits							
1,4-Dioxane-d8 (SUR)	106%		%REC	80-120		1	376555	07/16/25	07/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	376462	07/15/25	07/15/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	6.2		mg/L	1.0	0.68	1	376674	07/17/25	07/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	350		mg/L	5.0	2.5	376939	07/17/25	07/17/25	07/17/25	WWC
Alkalinity, Total as CaCO3	350		mg/L	5.0	2.5	376939	07/17/25	07/17/25	07/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	760		mg/L	20		2	376886	07/20/25	07/21/25	RDL

Analysis Results for 537588

Sample ID: DW-17

Lab ID: 537588-003

Collected: 07/14/25 10:50

Matrix: Water

537588-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.19	J	mg/L	0.20	0.073	1	376424	07/15/25 15:30	07/15/25 18:12	KUM
Chloride	160		mg/L	1.0	0.27	1	376424	07/15/25 15:30	07/15/25 18:12	KUM
Bromide	0.31		mg/L	0.30	0.060	1	376424	07/15/25 15:30	07/15/25 18:12	KUM
Nitrogen, Nitrate	0.98		mg/L	0.10	0.05	1	376424	07/15/25 15:30	07/15/25 18:12	KUM
Sulfate	190		mg/L	10	1.8	10	376424	07/15/25 15:30	07/15/25 19:02	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	377198	07/23/25	07/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	377063	07/22/25	07/23/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.084		mg/L	0.050	0.0055	1	376557	07/16/25	07/17/25	SBW
Calcium	4.6		mg/L	1.0	0.57	1	376557	07/16/25	07/17/25	SBW
Iron	ND		mg/L	0.10	0.046	1	376557	07/16/25	07/17/25	SBW
Magnesium	0.12	B	mg/L	0.10	0.025	1	376557	07/16/25	07/17/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	376557	07/16/25	07/17/25	SBW
Potassium	0.61		mg/L	0.50	0.40	1	376557	07/16/25	07/17/25	SBW
Sodium	210		mg/L	0.60	0.35	1	376557	07/16/25	07/17/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Acetone	ND		ug/L	100	8.8	1	376733	07/18/25	07/18/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	376733	07/18/25	07/18/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Chloroform	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST

Analysis Results for 537588

537588-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	376733	07/18/25	07/18/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	376733	07/18/25	07/18/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Xylene (total)	ND		ug/L	5.0		1	376733	07/18/25	07/18/25	ZST
Surrogates			Limits							
Dibromofluoromethane	96%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
1,2-Dichloroethane-d4	104%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
Toluene-d8	106%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 537588

537588-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	376555	07/16/25	07/17/25	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	376555	07/16/25	07/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	376462	07/15/25	07/15/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	1.3		mg/L	1.0	0.68	1	376674	07/17/25	07/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	79		mg/L	5.0		2.5	376939	07/17/25	07/17/25	WWC
Alkalinity, Total as CaCO3	110		mg/L	5.0		2.5	376939	07/17/25	07/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	700		mg/L	20		2	376886	07/20/25	07/21/25	RDL

Analysis Results for 537588

Sample ID: DW-30
Lab ID: 537588-004
Collected: 07/14/25 12:01
Matrix: Water

537588-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.93		mg/L	0.20	0.073	1	376424	07/15/25 15:30	07/15/25 17:38	KUM
Chloride	61		mg/L	1.0	0.27	1	376424	07/15/25 15:30	07/15/25 17:38	KUM
Bromide	0.14	J	mg/L	0.30	0.060	1	376424	07/15/25 15:30	07/15/25 17:38	KUM
Nitrogen, Nitrate	0.23		mg/L	0.10	0.05	1	376424	07/15/25 15:30	07/15/25 17:38	KUM
Sulfate	320		mg/L	10	1.8	10	376424	07/15/25 15:30	07/15/25 17:55	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	377198	07/23/25	07/28/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	377063	07/22/25	07/23/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.20		mg/L	0.050	0.0055	1	376557	07/16/25	07/17/25	SBW
Calcium	35		mg/L	1.0	0.57	1	376557	07/16/25	07/17/25	SBW
Iron	0.34		mg/L	0.10	0.046	1	376557	07/16/25	07/17/25	SBW
Magnesium	5.5		mg/L	0.10	0.025	1	376557	07/16/25	07/17/25	SBW
Manganese	0.035		mg/L	0.010	0.0029	1	377156	07/23/25	07/23/25	CAP
Potassium	1.5		mg/L	0.50	0.40	1	376557	07/16/25	07/17/25	SBW
Sodium	190		mg/L	0.60	0.35	1	376557	07/16/25	07/17/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	377252	07/24/25	07/24/25	HMN
Freon 12	ND		ug/L	5.0	0.2	1	377252	07/24/25	07/24/25	HMN
Chloromethane	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
Bromomethane	ND		ug/L	5.0	0.3	1	377252	07/24/25	07/24/25	HMN
Chloroethane	ND		ug/L	5.0	0.05	1	377252	07/24/25	07/24/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	377252	07/24/25	07/24/25	HMN
Acetone	ND		ug/L	100	8.8	1	377252	07/24/25	07/24/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
Methylene Chloride	ND		ug/L	5.0	0.2	1	377252	07/24/25	07/24/25	HMN
MTBE	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
2-Butanone	ND		ug/L	100	0.9	1	377252	07/24/25	07/24/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	377252	07/24/25	07/24/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	377252	07/24/25	07/24/25	HMN
Chloroform	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
Bromochloromethane	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	377252	07/24/25	07/24/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	377252	07/24/25	07/24/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	377252	07/24/25	07/24/25	HMN

Analysis Results for 537588

537588-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
Trichloroethene	ND		ug/L	5.0	0.05	1	377252	07/24/25	07/24/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.05	1	377252	07/24/25	07/24/25	HMN
Dibromomethane	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	377252	07/24/25	07/24/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	377252	07/24/25	07/24/25	HMN
Toluene	ND		ug/L	5.0	0.05	1	377252	07/24/25	07/24/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	377252	07/24/25	07/24/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
Tetrachloroethene	0.4	J	ug/L	5.0	0.09	1	377252	07/24/25	07/24/25	HMN
Dibromochloromethane	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.05	1	377252	07/24/25	07/24/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.04	1	377252	07/24/25	07/24/25	HMN
m,p-Xylenes	ND		ug/L	10	0.1	1	377252	07/24/25	07/24/25	HMN
o-Xylene	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
Styrene	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
Bromoform	ND		ug/L	5.0	0.08	1	377252	07/24/25	07/24/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	377252	07/24/25	07/24/25	HMN
Propylbenzene	ND		ug/L	5.0	0.05	1	377252	07/24/25	07/24/25	HMN
Bromobenzene	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	377252	07/24/25	07/24/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	377252	07/24/25	07/24/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	377252	07/24/25	07/24/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	377252	07/24/25	07/24/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.08	1	377252	07/24/25	07/24/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	377252	07/24/25	07/24/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	377252	07/24/25	07/24/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	377252	07/24/25	07/24/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	377252	07/24/25	07/24/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	377252	07/24/25	07/24/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	377252	07/24/25	07/24/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	377252	07/24/25	07/24/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	377252	07/24/25	07/24/25	HMN
Xylene (total)	ND		ug/L	5.0		1	377252	07/24/25	07/24/25	HMN
Surrogates			Limits							
Dibromofluoromethane	103%		%REC	70-130		1	377252	07/24/25	07/24/25	HMN
1,2-Dichloroethane-d4	105%		%REC	70-130		1	377252	07/24/25	07/24/25	HMN
Toluene-d8	100%		%REC	70-130		1	377252	07/24/25	07/24/25	HMN
Bromofluorobenzene	98%		%REC	70-130		1	377252	07/24/25	07/24/25	HMN

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 537588

537588-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	376555	07/16/25	07/17/25	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	376555	07/16/25	07/17/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	376462	07/15/25	07/15/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	0.92	J	mg/L	1.0	0.68	1	376674	07/17/25	07/18/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	160		mg/L	5.0		2.5	376939	07/17/25	07/17/25	WWC
Alkalinity, Total as CaCO3	160		mg/L	5.0		2.5	376939	07/17/25	07/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	800		mg/L	20		2	376886	07/20/25	07/21/25	RDL

Analysis Results for 537588

Sample ID: QCFB
Lab ID: 537588-005
Collected: 07/14/25 08:27
Matrix: Water

537588-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Acetone	ND		ug/L	100	8.8	1	376733	07/18/25	07/18/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Methylene Chloride	0.3	J	ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	376733	07/18/25	07/18/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Chloroform	0.6	J	ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Benzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	376733	07/18/25	07/18/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	376733	07/18/25	07/18/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	376733	07/18/25	07/18/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST

Analysis Results for 537588

537588-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	376733	07/18/25	07/18/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	376733	07/18/25	07/18/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	376733	07/18/25	07/18/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	376733	07/18/25	07/18/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	376733	07/18/25	07/18/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	376733	07/18/25	07/18/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	376733	07/18/25	07/18/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	376733	07/18/25	07/18/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	376733	07/18/25	07/18/25	ZST
Xylene (total)	ND		ug/L	5.0		1	376733	07/18/25	07/18/25	ZST
Surrogates	Limits									
Dibromofluoromethane	96%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
1,2-Dichloroethane-d4	104%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
Toluene-d8	105%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	376733	07/18/25	07/18/25	ZST

Analysis Results for 537588

Sample ID: QCTB
Lab ID: 537588-006
Collected: 07/14/25
Matrix: Water

537588-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	376811	07/19/25	07/19/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	376811	07/19/25	07/19/25	ZST
Chloromethane	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
Bromomethane	ND		ug/L	5.0	0.3	1	376811	07/19/25	07/19/25	ZST
Chloroethane	ND		ug/L	5.0	0.05	1	376811	07/19/25	07/19/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.08	1	376811	07/19/25	07/19/25	ZST
Acetone	ND		ug/L	100	8.8	1	376811	07/19/25	07/19/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	376811	07/19/25	07/19/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
2-Butanone	ND		ug/L	100	0.9	1	376811	07/19/25	07/19/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	376811	07/19/25	07/19/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	376811	07/19/25	07/19/25	ZST
Chloroform	0.5	J	ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	1	376811	07/19/25	07/19/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.08	1	376811	07/19/25	07/19/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.09	1	376811	07/19/25	07/19/25	ZST
Benzene	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
Trichloroethene	ND		ug/L	5.0	0.05	1	376811	07/19/25	07/19/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.05	1	376811	07/19/25	07/19/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	1	376811	07/19/25	07/19/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	376811	07/19/25	07/19/25	ZST
Toluene	ND		ug/L	5.0	0.05	1	376811	07/19/25	07/19/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	1	376811	07/19/25	07/19/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.09	1	376811	07/19/25	07/19/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.05	1	376811	07/19/25	07/19/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.04	1	376811	07/19/25	07/19/25	ZST
m,p-Xylenes	ND		ug/L	10	0.1	1	376811	07/19/25	07/19/25	ZST
o-Xylene	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
Styrene	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
Bromoform	ND		ug/L	5.0	0.08	1	376811	07/19/25	07/19/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST

Analysis Results for 537588

537588-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	1	376811	07/19/25	07/19/25	ZST
Propylbenzene	ND		ug/L	5.0	0.05	1	376811	07/19/25	07/19/25	ZST
Bromobenzene	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	1	376811	07/19/25	07/19/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.08	1	376811	07/19/25	07/19/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	1	376811	07/19/25	07/19/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	1	376811	07/19/25	07/19/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.08	1	376811	07/19/25	07/19/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	1	376811	07/19/25	07/19/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	1	376811	07/19/25	07/19/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	376811	07/19/25	07/19/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.06	1	376811	07/19/25	07/19/25	ZST
Naphthalene	ND		ug/L	5.0	0.3	1	376811	07/19/25	07/19/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	1	376811	07/19/25	07/19/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	376811	07/19/25	07/19/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	376811	07/19/25	07/19/25	ZST
Xylene (total)	ND		ug/L	5.0		1	376811	07/19/25	07/19/25	ZST
Surrogates				Limits						
Dibromofluoromethane	86%		%REC	70-130		1	376811	07/19/25	07/19/25	ZST
1,2-Dichloroethane-d4	98%		%REC	70-130		1	376811	07/19/25	07/19/25	ZST
Toluene-d8	113%		%REC	70-130		1	376811	07/19/25	07/19/25	ZST
Bromofluorobenzene	101%		%REC	70-130		1	376811	07/19/25	07/19/25	ZST

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

Batch QC

Type: Blank	Lab ID: QC1274440	Batch: 376424
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1274440 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	07/15/25 15:30	07/15/25 15:41
Chloride	ND		mg/L	1.0	0.27	07/15/25 15:30	07/15/25 15:41
Bromide	ND		mg/L	0.30	0.060	07/15/25 15:30	07/15/25 15:41
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	07/15/25 15:30	07/15/25 15:41
Sulfate	ND		mg/L	1.0	0.18	07/15/25 15:30	07/15/25 15:41

Type: Lab Control Sample	Lab ID: QC1274441	Batch: 376424
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1274441 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.16	10.00	mg/L	102%		90-110
Chloride	50.08	50.00	mg/L	100%		90-110
Bromide	15.83	15.00	mg/L	106%		90-110
Nitrogen, Nitrate	4.850	4.518	mg/L	107%		90-110
Sulfate	25.90	25.00	mg/L	104%		90-110

Type: Matrix Spike	Lab ID: QC1274442	Batch: 376424
Matrix (Source ID): Water (537588-001)	Method: EPA 300.0	Prep Method: METHOD

QC1274442 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.60	0.4269	20.00	mg/L	106%		80-129	1
Chloride	196.5	98.45	100.0	mg/L	98%		80-123	1
Bromide	16.08	0.1384	15.00	mg/L	106%		80-121	1
Nitrogen, Nitrate	10.21	0.3131	9.036	mg/L	110%		80-123	1
Sulfate	82.35	30.77	50.00	mg/L	103%		79-124	1

Type: Matrix Spike Duplicate	Lab ID: QC1274443	Batch: 376424
Matrix (Source ID): Water (537588-001)	Method: EPA 300.0	Prep Method: METHOD

QC1274443 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.90	0.4269	20.00	mg/L	107%		80-129	1	21	1
Chloride	197.4	98.45	100.0	mg/L	99%		80-123	0	20	1
Bromide	16.26	0.1384	15.00	mg/L	107%		80-121	1	20	1
Nitrogen, Nitrate	10.34	0.3131	9.036	mg/L	111%		80-123	1	20	1
Sulfate	82.76	30.77	50.00	mg/L	104%		79-124	0	20	1

Type: Blank	Lab ID: QC1277109	Batch: 377198
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1277109 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	07/23/25	07/28/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1277110	Batch: 377198
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1277110 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.046	1.000	mg/L	105%		90-110

Type: Matrix Spike	Lab ID: QC1277111	Batch: 377198
Matrix (Source ID): Water (537588-002)	Method: EPA 350.1	Prep Method: METHOD

QC1277111 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9352	ND	1.000	mg/L	94%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1277112	Batch: 377198
Matrix (Source ID): Water (537588-002)	Method: EPA 350.1	Prep Method: METHOD

QC1277112 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Ammonia-N	0.9503	ND	1.000	mg/L	95%		90-110	2	20	1

Type: Matrix Spike	Lab ID: QC1277113	Batch: 377198
Matrix (Source ID): Water (537588-003)	Method: EPA 350.1	Prep Method: METHOD

QC1277113 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.028	ND	1.000	mg/L	103%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1277114	Batch: 377198
Matrix (Source ID): Water (537588-003)	Method: EPA 350.1	Prep Method: METHOD

QC1277114 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Ammonia-N	1.069	ND	1.000	mg/L	107%		90-110	4	20	1

Type: Blank	Lab ID: QC1275853	Batch: 376840
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1275853 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	07/19/25	07/21/25

Type: Lab Control Sample	Lab ID: QC1275854	Batch: 376840
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1275854 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9220	1.000	mg/L	92%		90-110

Batch QC

Type: Matrix Spike	Lab ID: QC1275867	Batch: 376840
Matrix (Source ID): Drinking Water (537539-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1275867 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.365	0.2848	1.000	mg/L	108%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1275868	Batch: 376840
Matrix (Source ID): Drinking Water (537539-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1275868 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.390	0.2848	1.000	mg/L	110%		90-110	2	20	1

Type: Blank	Lab ID: QC1275909	Batch: 376840
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1275909 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	07/19/25	07/21/25

Type: Blank	Lab ID: QC1276657	Batch: 377063
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1276657 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	07/22/25	07/23/25

Type: Lab Control Sample	Lab ID: QC1276658	Batch: 377063
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1276658 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	91.00	100.0	mg/L	91%		90-110

Type: Matrix Spike	Lab ID: QC1276659	Batch: 377063
Matrix (Source ID): Water (537395-001)	Method: EPA 410.4	Prep Method: METHOD

QC1276659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	86.00	ND	100.0	mg/L	86%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1276660	Batch: 377063
Matrix (Source ID): Water (537395-001)	Method: EPA 410.4	Prep Method: METHOD

QC1276660 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	80.00	ND	100.0	mg/L	80%		75-125	7	20	2

Batch QC

Type: Matrix Spike	Lab ID: QC1276796	Batch: 377063
Matrix (Source ID): Water (537753-004)	Method: EPA 410.4	Prep Method: METHOD

QC1276796 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	74.00	ND	100.0	mg/L	74%	*	75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1276797	Batch: 377063
Matrix (Source ID): Water (537753-004)	Method: EPA 410.4	Prep Method: METHOD

QC1276797 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	74.00	ND	100.0	mg/L	74%	*	75-125	0	20	2

Type: Blank	Lab ID: QC1274879	Batch: 376557
Matrix: Filtrate	Method: EPA 6010B	Prep Method: EPA 3015A

QC1274879 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	07/16/25	07/17/25
Calcium	ND		mg/L	0.57	0.57	07/16/25	07/17/25
Iron	ND		mg/L	0.046	0.046	07/16/25	07/17/25
Magnesium	0.058	J	mg/L	0.10	0.025	07/16/25	07/17/25
Manganese	0.014		mg/L	0.010	0.0029	07/16/25	07/17/25
Potassium	ND		mg/L	0.50	0.40	07/16/25	07/17/25
Sodium	0.84		mg/L	0.50	0.35	07/16/25	07/17/25

Type: Lab Control Sample	Lab ID: QC1274880	Batch: 376557
Matrix: Filtrate	Method: EPA 6010B	Prep Method: EPA 3015A

QC1274880 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3564	0.4000	mg/L	89%		80-120
Calcium	17.88	20.40	mg/L	88%		80-120
Iron	0.3649	0.4000	mg/L	91%		80-120
Magnesium	18.05	20.40	mg/L	88%		80-120
Manganese	0.3740	0.4000	mg/L	94%		80-120
Potassium	21.00	24.00	mg/L	88%		80-120
Sodium	18.62	20.40	mg/L	91%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1274881	Batch: 376557
Matrix (Source ID): Water (537588-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1274881 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.5617	0.1992	0.4000	mg/L	91%		75-125	1
Calcium	52.66	35.29	20.40	mg/L	85%		75-125	1
Iron	0.7057	0.3429	0.4000	mg/L	91%		75-125	1
Magnesium	23.48	5.534	20.40	mg/L	88%		75-125	1
Manganese	0.3971	0.03385	0.4000	mg/L	91%		75-125	1
Potassium	23.39	1.541	24.00	mg/L	91%		75-125	1
Sodium	203.8	188.0	20.40	mg/L	78%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1274882	Batch: 376557
Matrix (Source ID): Water (537588-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1274882 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.5587	0.1992	0.4000	mg/L	90%		75-125	1	20	1
Calcium	52.62	35.29	20.40	mg/L	85%		75-125	0	20	1
Iron	0.7032	0.3429	0.4000	mg/L	90%		75-125	0	22	1
Magnesium	23.40	5.534	20.40	mg/L	88%		75-125	0	20	1
Manganese	0.3942	0.03385	0.4000	mg/L	90%		75-125	1	20	1
Potassium	23.32	1.541	24.00	mg/L	91%		75-125	0	20	1
Sodium	204.2	188.0	20.40	mg/L	79%	NM	75-125	0	20	1

Type: Blank	Lab ID: QC1276996	Batch: 377156
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1276996 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Manganese	ND		mg/L	0.010	0.0029	07/23/25	07/23/25

Type: Lab Control Sample	Lab ID: QC1276997	Batch: 377156
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1276997 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Manganese	0.3683	0.4000	mg/L	92%		80-120

Type: Matrix Spike	Lab ID: QC1276998	Batch: 377156
Matrix (Source ID): Water (537395-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1276998 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Manganese	0.3668	0.003580	0.4000	mg/L	91%		75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1276999	Batch: 377156
Matrix (Source ID): Water (537395-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1276999 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Manganese	0.3707	0.003580	0.4000	mg/L	92%		75-125	1	20	1

Type: Serial Dilution	Lab ID: QC1277079	Batch: 377156
Matrix (Source ID): Water (537395-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1277079 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Manganese	ND	0.003580	mg/L				5

Type: Lab Control Sample	Lab ID: QC1275469	Batch: 376733
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275469 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.49	50.00	ug/L	99%		69-128
MTBE	50.30	50.00	ug/L	101%		66-125
Benzene	49.00	50.00	ug/L	98%		76-121
Trichloroethene	49.65	50.00	ug/L	99%		76-124
Toluene	48.49	50.00	ug/L	97%		76-120
Chlorobenzene	48.53	50.00	ug/L	97%		78-120
Surrogates						
Dibromofluoromethane	47.24	50.00	ug/L	94%		70-130
1,2-Dichloroethane-d4	49.40	50.00	ug/L	99%		70-130
Toluene-d8	49.38	50.00	ug/L	99%		70-130
Bromofluorobenzene	50.00	50.00	ug/L	100%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1275470	Batch: 376733
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275470 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	50.39	50.00	ug/L	101%		69-128	2	23
MTBE	49.81	50.00	ug/L	100%		66-125	1	22
Benzene	49.93	50.00	ug/L	100%		76-121	2	21
Trichloroethene	50.16	50.00	ug/L	100%		76-124	1	22
Toluene	48.77	50.00	ug/L	98%		76-120	1	21
Chlorobenzene	49.45	50.00	ug/L	99%		78-120	2	20
Surrogates								
Dibromofluoromethane	47.63	50.00	ug/L	95%		70-130		
1,2-Dichloroethane-d4	49.20	50.00	ug/L	98%		70-130		
Toluene-d8	49.58	50.00	ug/L	99%		70-130		
Bromofluorobenzene	50.01	50.00	ug/L	100%		70-130		

Batch QC

Type: Blank	Lab ID: QC1275474	Batch: 376733
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275474 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.2	07/18/25	07/18/25
Freon 12	ND		ug/L	5.0	0.2	07/18/25	07/18/25
Chloromethane	ND		ug/L	5.0	0.1	07/18/25	07/18/25
Vinyl Chloride	ND		ug/L	5.0	0.1	07/18/25	07/18/25
Bromomethane	ND		ug/L	5.0	0.3	07/18/25	07/18/25
Chloroethane	ND		ug/L	5.0	0.05	07/18/25	07/18/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	07/18/25	07/18/25
Acetone	ND		ug/L	100	8.8	07/18/25	07/18/25
Freon 113	ND		ug/L	5.0	0.1	07/18/25	07/18/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	07/18/25	07/18/25
Methylene Chloride	ND		ug/L	5.0	0.2	07/18/25	07/18/25
MTBE	ND		ug/L	5.0	0.1	07/18/25	07/18/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	07/18/25	07/18/25
1,1-Dichloroethane	ND		ug/L	5.0	0.07	07/18/25	07/18/25
2-Butanone	ND		ug/L	100	0.9	07/18/25	07/18/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	07/18/25	07/18/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	07/18/25	07/18/25
Chloroform	ND		ug/L	5.0	0.07	07/18/25	07/18/25
Bromochloromethane	ND		ug/L	5.0	0.1	07/18/25	07/18/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	07/18/25	07/18/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	07/18/25	07/18/25
Carbon Tetrachloride	ND		ug/L	5.0	0.07	07/18/25	07/18/25
1,2-Dichloroethane	ND		ug/L	5.0	0.09	07/18/25	07/18/25
Benzene	ND		ug/L	5.0	0.07	07/18/25	07/18/25
Trichloroethene	ND		ug/L	5.0	0.05	07/18/25	07/18/25
1,2-Dichloropropane	ND		ug/L	5.0	0.07	07/18/25	07/18/25
Bromodichloromethane	ND		ug/L	5.0	0.05	07/18/25	07/18/25
Dibromomethane	ND		ug/L	5.0	0.1	07/18/25	07/18/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	07/18/25	07/18/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	07/18/25	07/18/25
Toluene	ND		ug/L	5.0	0.05	07/18/25	07/18/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	07/18/25	07/18/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	07/18/25	07/18/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	07/18/25	07/18/25
Tetrachloroethene	ND		ug/L	5.0	0.09	07/18/25	07/18/25
Dibromochloromethane	ND		ug/L	5.0	0.07	07/18/25	07/18/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	07/18/25	07/18/25
Chlorobenzene	ND		ug/L	5.0	0.05	07/18/25	07/18/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	07/18/25	07/18/25
Ethylbenzene	ND		ug/L	5.0	0.04	07/18/25	07/18/25
m,p-Xylenes	ND		ug/L	10	0.1	07/18/25	07/18/25
o-Xylene	ND		ug/L	5.0	0.06	07/18/25	07/18/25
Styrene	ND		ug/L	5.0	0.06	07/18/25	07/18/25
Bromoform	ND		ug/L	5.0	0.08	07/18/25	07/18/25
Isopropylbenzene	ND		ug/L	5.0	0.06	07/18/25	07/18/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	07/18/25	07/18/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	07/18/25	07/18/25

Batch QC

QC1275474 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.05	07/18/25	07/18/25
Bromobenzene	ND		ug/L	5.0	0.06	07/18/25	07/18/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	07/18/25	07/18/25
2-Chlorotoluene	ND		ug/L	5.0	0.07	07/18/25	07/18/25
4-Chlorotoluene	ND		ug/L	5.0	0.08	07/18/25	07/18/25
tert-Butylbenzene	ND		ug/L	5.0	0.07	07/18/25	07/18/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	07/18/25	07/18/25
sec-Butylbenzene	ND		ug/L	5.0	0.06	07/18/25	07/18/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	07/18/25	07/18/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	07/18/25	07/18/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	07/18/25	07/18/25
n-Butylbenzene	ND		ug/L	5.0	0.08	07/18/25	07/18/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	07/18/25	07/18/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	07/18/25	07/18/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	07/18/25	07/18/25
Hexachlorobutadiene	ND		ug/L	5.0	0.06	07/18/25	07/18/25
Naphthalene	ND		ug/L	5.0	0.3	07/18/25	07/18/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	07/18/25	07/18/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	07/18/25	07/18/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	07/18/25	07/18/25
Xylene (total)	ND		ug/L	5.0		07/18/25	07/18/25
Surrogates				Limits			
Dibromofluoromethane	100%		%REC	70-130		07/18/25	07/18/25
1,2-Dichloroethane-d4	104%		%REC	70-130		07/18/25	07/18/25
Toluene-d8	99%		%REC	70-130		07/18/25	07/18/25
Bromofluorobenzene	97%		%REC	70-130		07/18/25	07/18/25

Type: Matrix Spike	Lab ID: QC1275513	Batch: 376733
Matrix (Source ID): Water (537683-002)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275513 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	66.57	37.84	40.00	ug/L	72%		62-131	2
MTBE	31.19	ND	40.00	ug/L	78%		61-124	2
Benzene	33.69	0.2796	40.00	ug/L	84%		70-123	2
Trichloroethene	815.3	793.9	40.00	ug/L	54%	E,NM	65-131	2
Toluene	33.84	0.1223	40.00	ug/L	84%		69-120	2
Chlorobenzene	35.09	ND	40.00	ug/L	88%		72-121	2
Surrogates								
Dibromofluoromethane	96.66		100.0	ug/L	97%		70-130	2
1,2-Dichloroethane-d4	97.89		100.0	ug/L	98%		70-130	2
Toluene-d8	101.3		100.0	ug/L	101%		70-130	2
Bromofluorobenzene	98.32		100.0	ug/L	98%		70-130	2

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1275514	Batch: 376733
Matrix (Source ID): Water (537683-002)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275514 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	67.64	37.84	40.00	ug/L	74%		62-131	2	31	2
MTBE	32.66	ND	40.00	ug/L	82%		61-124	5	30	2
Benzene	34.89	0.2796	40.00	ug/L	87%		70-123	3	31	2
Trichloroethene	806.9	793.9	40.00	ug/L	33%	E,NM	65-131		31	2
Toluene	35.39	0.1223	40.00	ug/L	88%		69-120	4	29	2
Chlorobenzene	36.33	ND	40.00	ug/L	91%		72-121	3	29	2
Surrogates										
Dibromofluoromethane	94.62		100.0	ug/L	95%		70-130			2
1,2-Dichloroethane-d4	96.36		100.0	ug/L	96%		70-130			2
Toluene-d8	99.77		100.0	ug/L	100%		70-130			2
Bromofluorobenzene	98.63		100.0	ug/L	99%		70-130			2

Type: Lab Control Sample	Lab ID: QC1275741	Batch: 376811
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275741 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	42.02	50.00	ug/L	84%		69-128
MTBE	41.99	50.00	ug/L	84%		66-125
Benzene	41.47	50.00	ug/L	83%		76-121
Trichloroethene	51.33	50.00	ug/L	103%		76-124
Toluene	50.77	50.00	ug/L	102%		76-120
Chlorobenzene	50.68	50.00	ug/L	101%		78-120
Surrogates						
Dibromofluoromethane	43.54	50.00	ug/L	87%		70-130
1,2-Dichloroethane-d4	47.43	50.00	ug/L	95%		70-130
Toluene-d8	54.41	50.00	ug/L	109%		70-130
Bromofluorobenzene	50.15	50.00	ug/L	100%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1275742	Batch: 376811
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275742 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.79	50.00	ug/L	88%		69-128	4	23
MTBE	43.47	50.00	ug/L	87%		66-125	3	22
Benzene	43.38	50.00	ug/L	87%		76-121	5	21
Trichloroethene	53.94	50.00	ug/L	108%		76-124	5	22
Toluene	53.10	50.00	ug/L	106%		76-120	4	21
Chlorobenzene	53.63	50.00	ug/L	107%		78-120	6	20
Surrogates								
Dibromofluoromethane	43.57	50.00	ug/L	87%		70-130		
1,2-Dichloroethane-d4	47.72	50.00	ug/L	95%		70-130		
Toluene-d8	54.73	50.00	ug/L	109%		70-130		
Bromofluorobenzene	49.71	50.00	ug/L	99%		70-130		

Batch QC

Type: Matrix Spike	Lab ID: QC1275744	Batch: 376811
Matrix (Source ID): Water (537578-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275744 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.09	ND	20.00	ug/L	100%		62-131	1
MTBE	19.40	ND	20.00	ug/L	97%		61-124	1
Benzene	19.76	ND	20.00	ug/L	99%		70-123	1
Trichloroethene	25.00	ND	20.00	ug/L	125%		65-131	1
Toluene	24.06	ND	20.00	ug/L	120%		69-120	1
Chlorobenzene	24.78	ND	20.00	ug/L	124%	*	72-121	1
Surrogates								
Dibromofluoromethane	44.08		50.00	ug/L	88%		70-130	1
1,2-Dichloroethane-d4	48.54		50.00	ug/L	97%		70-130	1
Toluene-d8	54.78		50.00	ug/L	110%		70-130	1
Bromofluorobenzene	49.37		50.00	ug/L	99%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1275745	Batch: 376811
Matrix (Source ID): Water (537578-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275745 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	18.91	ND	20.00	ug/L	95%		62-131	6	31	1
MTBE	18.92	ND	20.00	ug/L	95%		61-124	3	30	1
Benzene	18.74	ND	20.00	ug/L	94%		70-123	5	31	1
Trichloroethene	24.03	ND	20.00	ug/L	120%		65-131	4	31	1
Toluene	23.10	ND	20.00	ug/L	115%		69-120	4	29	1
Chlorobenzene	23.51	ND	20.00	ug/L	118%		72-121	5	29	1
Surrogates										
Dibromofluoromethane	43.29		50.00	ug/L	87%		70-130			1
1,2-Dichloroethane-d4	48.31		50.00	ug/L	97%		70-130			1
Toluene-d8	54.70		50.00	ug/L	109%		70-130			1
Bromofluorobenzene	50.06		50.00	ug/L	100%		70-130			1

Batch QC

Type: Blank	Lab ID: QC1275746	Batch: 376811
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1275746 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.2	07/19/25	07/19/25
Freon 12	ND		ug/L	5.0	0.2	07/19/25	07/19/25
Chloromethane	ND		ug/L	5.0	0.1	07/19/25	07/19/25
Vinyl Chloride	ND		ug/L	5.0	0.1	07/19/25	07/19/25
Bromomethane	ND		ug/L	5.0	0.3	07/19/25	07/19/25
Chloroethane	ND		ug/L	5.0	0.05	07/19/25	07/19/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	07/19/25	07/19/25
Acetone	ND		ug/L	100	8.8	07/19/25	07/19/25
Freon 113	ND		ug/L	5.0	0.1	07/19/25	07/19/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	07/19/25	07/19/25
Methylene Chloride	ND		ug/L	5.0	0.2	07/19/25	07/19/25
MTBE	ND		ug/L	5.0	0.1	07/19/25	07/19/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	07/19/25	07/19/25
1,1-Dichloroethane	ND		ug/L	5.0	0.07	07/19/25	07/19/25
2-Butanone	ND		ug/L	100	0.9	07/19/25	07/19/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	07/19/25	07/19/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	07/19/25	07/19/25
Chloroform	ND		ug/L	5.0	0.07	07/19/25	07/19/25
Bromochloromethane	ND		ug/L	5.0	0.1	07/19/25	07/19/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	07/19/25	07/19/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	07/19/25	07/19/25
Carbon Tetrachloride	ND		ug/L	5.0	0.07	07/19/25	07/19/25
1,2-Dichloroethane	ND		ug/L	5.0	0.09	07/19/25	07/19/25
Benzene	ND		ug/L	5.0	0.07	07/19/25	07/19/25
Trichloroethene	ND		ug/L	5.0	0.05	07/19/25	07/19/25
1,2-Dichloropropane	ND		ug/L	5.0	0.07	07/19/25	07/19/25
Bromodichloromethane	ND		ug/L	5.0	0.05	07/19/25	07/19/25
Dibromomethane	ND		ug/L	5.0	0.1	07/19/25	07/19/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	07/19/25	07/19/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	07/19/25	07/19/25
Toluene	ND		ug/L	5.0	0.05	07/19/25	07/19/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	07/19/25	07/19/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	07/19/25	07/19/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	07/19/25	07/19/25
Tetrachloroethene	ND		ug/L	5.0	0.09	07/19/25	07/19/25
Dibromochloromethane	ND		ug/L	5.0	0.07	07/19/25	07/19/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	07/19/25	07/19/25
Chlorobenzene	ND		ug/L	5.0	0.05	07/19/25	07/19/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	07/19/25	07/19/25
Ethylbenzene	ND		ug/L	5.0	0.04	07/19/25	07/19/25
m,p-Xylenes	ND		ug/L	10	0.1	07/19/25	07/19/25
o-Xylene	ND		ug/L	5.0	0.06	07/19/25	07/19/25
Styrene	ND		ug/L	5.0	0.06	07/19/25	07/19/25
Bromoform	ND		ug/L	5.0	0.08	07/19/25	07/19/25
Isopropylbenzene	ND		ug/L	5.0	0.06	07/19/25	07/19/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	07/19/25	07/19/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	07/19/25	07/19/25

Batch QC

QC1275746 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.05	07/19/25	07/19/25
Bromobenzene	ND		ug/L	5.0	0.06	07/19/25	07/19/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	07/19/25	07/19/25
2-Chlorotoluene	ND		ug/L	5.0	0.07	07/19/25	07/19/25
4-Chlorotoluene	ND		ug/L	5.0	0.08	07/19/25	07/19/25
tert-Butylbenzene	ND		ug/L	5.0	0.07	07/19/25	07/19/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	07/19/25	07/19/25
sec-Butylbenzene	ND		ug/L	5.0	0.06	07/19/25	07/19/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	07/19/25	07/19/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	07/19/25	07/19/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	07/19/25	07/19/25
n-Butylbenzene	ND		ug/L	5.0	0.08	07/19/25	07/19/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	07/19/25	07/19/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	07/19/25	07/19/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	07/19/25	07/19/25
Hexachlorobutadiene	ND		ug/L	5.0	0.06	07/19/25	07/19/25
Naphthalene	ND		ug/L	5.0	0.3	07/19/25	07/19/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	07/19/25	07/19/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	07/19/25	07/19/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	07/19/25	07/19/25
Xylene (total)	ND		ug/L	5.0		07/19/25	07/19/25
Surrogates	Limits						
Dibromofluoromethane	94%		%REC	70-130		07/19/25	07/19/25
1,2-Dichloroethane-d4	105%		%REC	70-130		07/19/25	07/19/25
Toluene-d8	109%		%REC	70-130		07/19/25	07/19/25
Bromofluorobenzene	99%		%REC	70-130		07/19/25	07/19/25

Type: Lab Control Sample
Matrix: Water

Lab ID: QC1277335
Method: EPA 8260B

Batch: 377252
Prep Method: EPA 5030B

QC1277335 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	45.86	50.00	ug/L	92%		69-128
MTBE	48.44	50.00	ug/L	97%		66-125
Benzene	47.70	50.00	ug/L	95%		76-121
Trichloroethene	48.88	50.00	ug/L	98%		76-124
Toluene	46.97	50.00	ug/L	94%		76-120
Chlorobenzene	47.29	50.00	ug/L	95%		78-120
Surrogates						
Dibromofluoromethane	48.11	50.00	ug/L	96%		70-130
1,2-Dichloroethane-d4	48.37	50.00	ug/L	97%		70-130
Toluene-d8	50.28	50.00	ug/L	101%		70-130
Bromofluorobenzene	49.98	50.00	ug/L	100%		70-130

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1277336	Batch: 377252
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1277336 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	46.76	50.00	ug/L	94%		69-128	2	23
MTBE	49.65	50.00	ug/L	99%		66-125	2	22
Benzene	48.72	50.00	ug/L	97%		76-121	2	21
Trichloroethene	49.57	50.00	ug/L	99%		76-124	1	22
Toluene	48.01	50.00	ug/L	96%		76-120	2	21
Chlorobenzene	48.42	50.00	ug/L	97%		78-120	2	20
Surrogates								
Dibromofluoromethane	47.82	50.00	ug/L	96%		70-130		
1,2-Dichloroethane-d4	48.82	50.00	ug/L	98%		70-130		
Toluene-d8	50.39	50.00	ug/L	101%		70-130		
Bromofluorobenzene	49.77	50.00	ug/L	100%		70-130		

Batch QC

Type: Blank	Lab ID: QC1277340	Batch: 377252
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1277340 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.2	07/24/25	07/24/25
Freon 12	ND		ug/L	5.0	0.2	07/24/25	07/24/25
Chloromethane	ND		ug/L	5.0	0.1	07/24/25	07/24/25
Vinyl Chloride	ND		ug/L	5.0	0.1	07/24/25	07/24/25
Bromomethane	ND		ug/L	5.0	0.3	07/24/25	07/24/25
Chloroethane	ND		ug/L	5.0	0.05	07/24/25	07/24/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	07/24/25	07/24/25
Acetone	ND		ug/L	100	8.8	07/24/25	07/24/25
Freon 113	ND		ug/L	5.0	0.1	07/24/25	07/24/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	07/24/25	07/24/25
Methylene Chloride	ND		ug/L	5.0	0.2	07/24/25	07/24/25
MTBE	ND		ug/L	5.0	0.1	07/24/25	07/24/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	07/24/25	07/24/25
1,1-Dichloroethane	ND		ug/L	5.0	0.07	07/24/25	07/24/25
2-Butanone	ND		ug/L	100	0.9	07/24/25	07/24/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.09	07/24/25	07/24/25
2,2-Dichloropropane	ND		ug/L	5.0	0.09	07/24/25	07/24/25
Chloroform	ND		ug/L	5.0	0.07	07/24/25	07/24/25
Bromochloromethane	ND		ug/L	5.0	0.1	07/24/25	07/24/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.03	07/24/25	07/24/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	07/24/25	07/24/25
Carbon Tetrachloride	ND		ug/L	5.0	0.07	07/24/25	07/24/25
1,2-Dichloroethane	ND		ug/L	5.0	0.09	07/24/25	07/24/25
Benzene	ND		ug/L	5.0	0.07	07/24/25	07/24/25
Trichloroethene	ND		ug/L	5.0	0.05	07/24/25	07/24/25
1,2-Dichloropropane	ND		ug/L	5.0	0.07	07/24/25	07/24/25
Bromodichloromethane	ND		ug/L	5.0	0.05	07/24/25	07/24/25
Dibromomethane	ND		ug/L	5.0	0.1	07/24/25	07/24/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.5	07/24/25	07/24/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.08	07/24/25	07/24/25
Toluene	ND		ug/L	5.0	0.05	07/24/25	07/24/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.03	07/24/25	07/24/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.06	07/24/25	07/24/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	07/24/25	07/24/25
Tetrachloroethene	ND		ug/L	5.0	0.09	07/24/25	07/24/25
Dibromochloromethane	ND		ug/L	5.0	0.07	07/24/25	07/24/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	07/24/25	07/24/25
Chlorobenzene	ND		ug/L	5.0	0.05	07/24/25	07/24/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.06	07/24/25	07/24/25
Ethylbenzene	ND		ug/L	5.0	0.04	07/24/25	07/24/25
m,p-Xylenes	ND		ug/L	10	0.1	07/24/25	07/24/25
o-Xylene	ND		ug/L	5.0	0.06	07/24/25	07/24/25
Styrene	ND		ug/L	5.0	0.06	07/24/25	07/24/25
Bromoform	ND		ug/L	5.0	0.08	07/24/25	07/24/25
Isopropylbenzene	ND		ug/L	5.0	0.06	07/24/25	07/24/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	07/24/25	07/24/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.09	07/24/25	07/24/25

Batch QC

QC1277340 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.05	07/24/25	07/24/25
Bromobenzene	ND		ug/L	5.0	0.06	07/24/25	07/24/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.08	07/24/25	07/24/25
2-Chlorotoluene	ND		ug/L	5.0	0.07	07/24/25	07/24/25
4-Chlorotoluene	ND		ug/L	5.0	0.08	07/24/25	07/24/25
tert-Butylbenzene	ND		ug/L	5.0	0.07	07/24/25	07/24/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.07	07/24/25	07/24/25
sec-Butylbenzene	ND		ug/L	5.0	0.06	07/24/25	07/24/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.05	07/24/25	07/24/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	07/24/25	07/24/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.07	07/24/25	07/24/25
n-Butylbenzene	ND		ug/L	5.0	0.08	07/24/25	07/24/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.04	07/24/25	07/24/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	07/24/25	07/24/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	07/24/25	07/24/25
Hexachlorobutadiene	ND		ug/L	5.0	0.06	07/24/25	07/24/25
Naphthalene	ND		ug/L	5.0	0.3	07/24/25	07/24/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	07/24/25	07/24/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	07/24/25	07/24/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	07/24/25	07/24/25
Xylene (total)	ND		ug/L	5.0		07/24/25	07/24/25
Surrogates				Limits			
Dibromofluoromethane	105%		%REC	70-130		07/24/25	07/24/25
1,2-Dichloroethane-d4	106%		%REC	70-130		07/24/25	07/24/25
Toluene-d8	99%		%REC	70-130		07/24/25	07/24/25
Bromofluorobenzene	98%		%REC	70-130		07/24/25	07/24/25

Type: Matrix Spike	Lab ID: QC1277421	Batch: 377252
Matrix (Source ID): Water (537588-004)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1277421 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	0.4185	ND	0.5000	ug/L	84%		62-131	1
MTBE	0.3425	ND	0.5000	ug/L	68%		61-124	1
Benzene	0.4046	ND	0.5000	ug/L	81%		70-123	1
Trichloroethene	0.4433	ND	0.5000	ug/L	89%		65-131	1
Toluene	0.4573	ND	0.5000	ug/L	91%		69-120	1
Chlorobenzene	0.4260	ND	0.5000	ug/L	85%		72-121	1
Surrogates								
Dibromofluoromethane	51.85		50.00	ug/L	104%		70-130	1
1,2-Dichloroethane-d4	52.57		50.00	ug/L	105%		70-130	1
Toluene-d8	50.17		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	48.74		50.00	ug/L	97%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1277422	Batch: 377252
Matrix (Source ID): Water (537588-004)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1277422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	0.4867	ND	0.5000	ug/L	97%		62-131	15	31	1
MTBE	0.3775	ND	0.5000	ug/L	76%		61-124	10	30	1
Benzene	0.4694	ND	0.5000	ug/L	94%		70-123	15	31	1
Trichloroethene	0.4783	ND	0.5000	ug/L	96%		65-131	8	31	1
Toluene	0.4899	ND	0.5000	ug/L	98%		69-120	7	29	1
Chlorobenzene	0.4607	ND	0.5000	ug/L	92%		72-121	8	29	1
Surrogates										
Dibromofluoromethane	51.77		50.00	ug/L	104%		70-130			1
1,2-Dichloroethane-d4	52.35		50.00	ug/L	105%		70-130			1
Toluene-d8	49.36		50.00	ug/L	99%		70-130			1
Bromofluorobenzene	48.93		50.00	ug/L	98%		70-130			1

Type: Blank	Lab ID: QC1274864	Batch: 376555
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1274864 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	07/16/25	07/17/25
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		07/16/25	07/17/25

Type: Lab Control Sample	Lab ID: QC1274866	Batch: 376555
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1274866 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	11.56	10.00	ug/L	116%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.51	10.00	ug/L	105%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1274867	Batch: 376555
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1274867 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.914	10.00	ug/L	99%		79-120	15	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.09	10.00	ug/L	101%		80-120		

Type: Blank	Lab ID: QC1274585	Batch: 376462
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1274585 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		07/15/25	07/15/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1274586	Batch: 376462
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1274586 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike	Lab ID: QC1274587	Batch: 376462
Matrix (Source ID): Drinking Water (537539-003)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1274587 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1274588	Batch: 376462
Matrix (Source ID): Drinking Water (537539-003)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1274588 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	0	20	1

Type: Blank	Lab ID: QC1275252	Batch: 376674
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1275252 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	07/17/25	07/17/25

Type: Lab Control Sample	Lab ID: QC1275253	Batch: 376674
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1275253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.94	25.00	mg/L	96%		85-115

Type: Matrix Spike	Lab ID: QC1275254	Batch: 376674
Matrix (Source ID): Water (537831-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1275254 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	47,130	33370	12500	mg/L	110%		75-125	500

Type: Matrix Spike Duplicate	Lab ID: QC1275255	Batch: 376674
Matrix (Source ID): Water (537831-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1275255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Total Organic Carbon	47,440	33370	12500	mg/L	113%		75-125	1	25	500

Batch QC

Type: Blank	Lab ID: QC1276225	Batch: 376939
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1276225 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO ₃	ND		mg/L	2.0		07/17/25	07/17/25
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		07/17/25	07/17/25

Type: Lab Control Sample	Lab ID: QC1276226	Batch: 376939
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1276226 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	922.4	1000	mg/L	92%		90-110

Type: Sample Duplicate	Lab ID: QC1276229	Batch: 376939
Matrix (Source ID): Water (537631-002)	Method: SM2320B	Prep Method: METHOD

QC1276229 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO ₃	178.6	179.9	mg/L		1	20	2.5
Alkalinity, Total as CaCO ₃	178.6	179.9	mg/L		1	20	2.5

Type: Blank	Lab ID: QC1276019	Batch: 376886
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC1276019 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		07/20/25	07/21/25

Type: Lab Control Sample	Lab ID: QC1276020	Batch: 376886
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC1276020 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,017	1000	mg/L	102%		90-110

Type: Sample Duplicate	Lab ID: QC1276021	Batch: 376886
Matrix (Source ID): Water (537668-006)	Method: SM2540C	Prep Method: METHOD

QC1276021 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	8,060	7600	mg/L		6*	5	4

Type: Sample Duplicate	Lab ID: QC1276022	Batch: 376886
Matrix (Source ID): Water (537668-003)	Method: SM2540C	Prep Method: METHOD

QC1276022 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	6,672	6512	mg/L		2	5	4

Batch QC

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

Laboratory Job Number 537588

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2507B45

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 079649

Project: EO-537588

Project Location:

Project Received: 07/17/2025

Analytical Report reviewed & approved for release on 07/22/2025 by:

Yen Cao

Project Manager

McC Campbell Analytical Inc. is not accredited for all the testing in this report. 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.



Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical**WorkOrder:** 2507B45**Project:** EO-537588

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: 2507B45

Project: EO-537588

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: 07/17/2025 9:23
Date Prepared: 07/21/2025
Project: EO-537588

WorkOrder: 2507B45
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
DW-14	2507B45-001A	Water	07/14/2025 08:22	GC26 0721250104.D	321851

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	390	50	50	1	07/21/2025 14:53

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2507B45-002A	Water	07/14/2025 09:36	GC26 0721250107.D	321851

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	13,000	500	500	10	07/21/2025 15:49

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-17	2507B45-003A	Water	07/14/2025 10:50	GC26 0721250108.D	321851

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	260	50	50	1	07/21/2025 16:05

Analyst(s): CLO

(Cont.)



Analytical Report

Client: Enthalpy Analytical
Date Received: 07/17/2025 9:23
Date Prepared: 07/21/2025
Project: EO-537588

WorkOrder: 2507B45
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
DW-30	2507B45-004A	Water	07/14/2025 12:01	GC26 0721250110.D	321851

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	2800	120	120	2.5	07/21/2025 16:31

Analyst(s): CLO



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 07/21/2025
Date Analyzed: 07/21/2025
Instrument: GC26
Matrix: Water
Project: EO-537588

WorkOrder: 2507B45
BatchID: 321851
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-321851

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	130	140	187.2	71	73	70-130	3.06	30

McC Campbell 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: 2507B45

ClientCode: ENO

QuoteID: 252619

☐ EQuIS ☐ 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:
PO: 079649
Project: EO-537588

Bill to:

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

Requested TAT: 2 days;

Date Received: 07/17/2025

Date Logged: 07/18/2025

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2507B45-001	DW-14	Water	7/14/2025 08:22	☐	A	A										
2507B45-002	PZ-4	Water	7/14/2025 09:36	☐	A	A										
2507B45-003	DW-17	Water	7/14/2025 10:50	☐	A	A										
2507B45-004	DW-30	Water	7/14/2025 12:01	☐	A	A										

Test Legend:

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

Prepared by: Agustina Venegas

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.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL

Project: EO-537588

Work Order: 2507B45

Client Contact: Zach Barker

QC Level: LEVEL 2

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

Comments:

Date Logged: 7/18/2025

☐ 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	DW-14	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	7/14/2025 8:22	2 days	7/21/2025	Present	☐	☐
002A	PZ-4	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	7/14/2025 9:36	2 days	7/21/2025	None	☐	☐
003A	DW-17	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	7/14/2025 10:50	2 days	7/21/2025	None	☐	☐
004A	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	7/14/2025 12:01	2 days	7/21/2025	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.

HOLD TIME RUSH



2507B45

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

Subcontract Laboratory:

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

Enthalpy Order: EO-537588

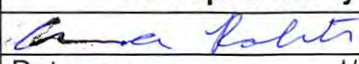
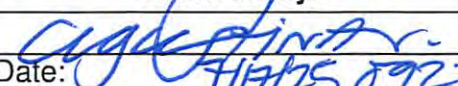
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

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
+ DW-14	14-JUL-2025 08:22	537588-001	3 2	Water	RSK-175 CO2	
✓ PZ-4	14-JUL-2025 09:36	537588-002	3 2	Water	RSK-175 CO2	
✓ DW-17	14-JUL-2025 10:50	537588-003	3 2	Water	RSK-175 CO2	
+ DW-30	14-JUL-2025 12:01	537588-004	3 2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
		
	Date: 7-16-25 14:47	Date: 7/17/25 09:23
	Date:	Date:
	Date:	Date:



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-537588

Date and Time Received: 7/17/2025 09:23
Date Logged: 7/18/2025
Received by: Agustina Venegas
Logged by: Agustina Venegas

WorkOrder No: 2507B45 Matrix: Water
Carrier: FedEx

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 ☐
COC quote NOT expired?	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: 0.1°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:



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

enthalpy.com

Lab Job Number : 539738
Report Level : II
Report Date : 08/25/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly 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, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197



Sample Summary

Steve Cassulo	Lab Job #:	539738
Waste Connections	Project No:	GW MONITORING
Chiquita Canyon Landfill	Location:	Chiquita Canyon Landfill / Quarterly MPars
29201 Henry Mayo	Date Received:	08/11/25
Drive		
Castaic, CA 91384		

Sample ID	Lab ID	Collected	Matrix
DW-14	539738-001	08/11/25 08:15	Water
DW-17	539738-002	08/11/25 09:29	Water
DW-30	539738-003	08/11/25 10:50	Water
DW-31	539738-004	08/11/25 11:48	Water
QCFB	539738-005	08/11/25 09:32	Water
QCTB	539738-006	08/11/25 00:00	Water

Case Narrative

Waste Connections	Lab Job Number: 539738
Chiquita Canyon Landfill	Project No: GW MONITORING
29201 Henry Mayo Drive	Location: Chiquita Canyon Landfill / Quarterly
Castaic, CA 91384	MPars
Steve Cassulo	Date Received: 08/11/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 08/11/25. The samples were received in good condition.

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

No 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 6010B):

No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

No analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):

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 (EPA 410.4):

No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

- Low recovery was observed for ammonia-N in the MSD of DW-14 (lab # 539738-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

RSK-175 CO2 (RSK-175):

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



931 W Barkely Ave. Orange, CA 92868

(714) 771-6900

Page: 1

W = Water DW = Drinking Water SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

2 Day:

1 = $\text{Na}_2\text{S}_2\text{O}_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

(lab use only)

Test Instructions / Comments

Company:	Chiquita Canyon Landfill	Name:	Steve Cassulo
Report To:	Steve Cassulo	Number:	661-257-3655
Email:	Steven.Cassulo@wasteconnections.com	P.O. #:	
Address:	29201 Henry Mayo Drive Castaic, CA, 91384	Address:	
Phone:	661-257-3655	Global ID:	L10003464243
Fax:		Sampled By:	Paul Chang

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1	DW-14	8/11/25	815	W	13	var.
2	DW-17		929			
3	DW-30		1050			
4	DW-31		1148			
5	QC FB		932		3	
6	QCTB		-		2	
7						
8						
9						
10						

VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO ₃	Ammonia-N, Nitrate-N	COD, Cl ₂ , SO ₄ , TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide
X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X
X	X							
X	X							

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Quarterly MPars



Login 539738



	Signature	Print Name	Company / Title	Date / Time
Relinquished By:		Paul Chang	CEI	8/11/25 1245
Received By:		Jim Lin	SEA NH	8.11.25 1245
Relinquished By:		Jim Lin	SEA NH	8.12.25 0900
Received By:		Paul Chang Hrag B.	EA-NH	8/12/25 0900
Relinquished By:		Hrag B.	EA-NH	8/12/25 1345
Received By:		Paul Chang	CEI	8/12/25 1418

24

Date Received: 8.11.25 WO# _____ Client: Chiquita Canyon LF

Are custody seals present? ☐ Yes ☒ No

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

Shipping Info: Walk in or Pickup☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 8.11.25 By (initials) JWL 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: IR03 CF: -0.7C

Cooler Temp (°C) #1: 14.7/14.0 #2: / #3: / #4: / #5: / #6: /

☐ 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.

☒ No air samples submitted (skip 3c)☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

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

☐ PM notified

Date Logged _____ By (print) _____ (sign) _____

Date Labeled _____ By (print) _____ (sign) _____

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 8/12/25 WO# 539738 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 08/12/25 By (initials) DJS

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: IR14 CF: -0.4

Cooler Temp (°C) #1: 4.9 / 4.5 #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?	/		
2) Is the sampler's name present on the CoC?	/		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	/		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			/
5) Were all of, and only, the correct samples received?	/		
6) Are sample labels present, legible, and in agreement with the CoC?	/		
7) Does the container count match the CoC?	/		
8) Was sufficient sample volume / mass received for the analyses requested?	/		
9) Were samples received in proper containers for the analyses requested?	/		
10) Were samples received with > 1/2 holding time remaining?	/		
11) Are samples properly preserved as indicated by CoC / labels?	/		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			/
13) Are VOA vials free from headspace/bubbles > 6mm?		/	

Section 5: Explanations / Comments

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

4.13 Sample 006 has 2/2 HCl preserved VOA vials with headspace > 6mm

☐ No additional discrepancies

Date Logged 8/12/25

By (print) FPD

(sign) [Signature]

Date Labeled 8/12/25

By (print) AGR

(sign) [Signature]

Analysis Results for 539738

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 539738
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 08/11/25

Sample ID: DW-14

Lab ID: 539738-001

Collected: 08/11/25 08:15

Matrix: Water

539738-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.41		mg/L	0.20	0.073	1	379028	08/12/25 18:00	08/12/25 19:00	KUM
Chloride	94		mg/L	1.0	0.27	1	379028	08/12/25 18:00	08/12/25 19:00	KUM
Bromide	0.098	J	mg/L	0.30	0.060	1	379028	08/12/25 18:00	08/12/25 19:00	KUM
Nitrogen, Nitrate	0.30		mg/L	0.10	0.05	1	379028	08/12/25 18:00	08/12/25 19:00	KUM
Sulfate	29		mg/L	1.0	0.18	1	379028	08/12/25 18:00	08/12/25 19:00	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	379929	08/21/25	08/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	379259	08/14/25	08/14/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.12		mg/L	0.050	0.0062	1	379027	08/12/25	08/13/25	SBW
Calcium	2.6		mg/L	1.0	0.57	1	379027	08/12/25	08/13/25	SBW
Iron	0.30		mg/L	0.10	0.041	1	379027	08/12/25	08/13/25	SBW
Magnesium	0.22		mg/L	0.10	0.025	1	379027	08/12/25	08/13/25	SBW
Manganese	0.0031	J	mg/L	0.010	0.0029	1	379027	08/12/25	08/13/25	SBW
Potassium	0.83		mg/L	0.50	0.42	1	379027	08/12/25	08/13/25	SBW
Sodium	140		mg/L	0.50	0.34	1	379027	08/12/25	08/13/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.3	1	379732	08/20/25	08/20/25	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	379732	08/20/25	08/20/25	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
Bromomethane	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
Acetone	ND		ug/L	100	16	1	379732	08/20/25	08/20/25	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Methylene Chloride	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
MTBE	ND		ug/L	5.0	0.03	1	379732	08/20/25	08/20/25	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
2-Butanone	ND		ug/L	100	1.3	1	379732	08/20/25	08/20/25	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ

Analysis Results for 539738

539738-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.07	1	379732	08/20/25	08/20/25	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
Benzene	ND		ug/L	5.0	0.04	1	379732	08/20/25	08/20/25	LYZ
Trichloroethene	ND		ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.07	1	379732	08/20/25	08/20/25	LYZ
Dibromomethane	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.7	1	379732	08/20/25	08/20/25	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
Toluene	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
Chlorobenzene	ND		ug/L	5.0	0.07	1	379732	08/20/25	08/20/25	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
Ethylbenzene	ND		ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
m,p-Xylenes	ND		ug/L	10	0.09	1	379732	08/20/25	08/20/25	LYZ
o-Xylene	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
Styrene	ND		ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
Bromoform	ND		ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Propylbenzene	0.05	J	ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
Bromobenzene	ND		ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
4-Chlorotoluene	0.05	J	ug/L	5.0	0.05	1	379732	08/20/25	08/20/25	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.08	1	379732	08/20/25	08/20/25	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.07	1	379732	08/20/25	08/20/25	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
1,3-Dichlorobenzene	0.07	J	ug/L	5.0	0.06	1	379732	08/20/25	08/20/25	LYZ
1,4-Dichlorobenzene	0.1	J	ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
n-Butylbenzene	0.05	J	ug/L	5.0	0.04	1	379732	08/20/25	08/20/25	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	379732	08/20/25	08/20/25	LYZ
1,2,4-Trichlorobenzene	0.4	J	ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	379732	08/20/25	08/20/25	LYZ
Naphthalene	1.0	J	ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
1,2,3-Trichlorobenzene	0.4	J	ug/L	5.0	0.09	1	379732	08/20/25	08/20/25	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379732	08/20/25	08/20/25	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	379732	08/20/25	08/20/25	LYZ
Xylene (total)	ND		ug/L	5.0		1	379732	08/20/25	08/20/25	LYZ
Surrogates			Limits							
Dibromofluoromethane	99%		%REC	70-130		1	379732	08/20/25	08/20/25	LYZ

Analysis Results for 539738

539738-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	103%		%REC	70-130		1	379732	08/20/25	08/20/25	LYZ
Toluene-d8	100%		%REC	70-130		1	379732	08/20/25	08/20/25	LYZ
Bromofluorobenzene	100%		%REC	70-130		1	379732	08/20/25	08/20/25	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

1,4-Dioxane	ND		ug/L	1.0	0.95	1	379053	08/13/25	08/13/25	ZFA
-------------	----	--	------	-----	------	---	--------	----------	----------	-----

Surrogates

Limits

1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	379053	08/13/25	08/13/25	ZFA
----------------------	-----	--	------	--------	--	---	--------	----------	----------	-----

Method: SM 4500-S2-D

Prep Method: METHOD

Sulfide	ND		mg/L	0.10		1	379161	08/13/25	08/13/25	TXC
---------	----	--	------	------	--	---	--------	----------	----------	-----

Method: SM 5310B

Prep Method: SM 5310B

Total Organic Carbon	0.94	J	mg/L	1.0	0.24	1	380079	08/22/25	08/23/25	AXS
----------------------	-------------	---	------	-----	------	---	--------	----------	----------	-----

Method: SM2320B

Prep Method: METHOD

Alkalinity, Bicarbonate, as CaCO3	150		mg/L	5.0		2.5	379680	08/19/25	08/19/25	ARM
Alkalinity, Total as CaCO3	160		mg/L	5.0		2.5	379680	08/19/25	08/19/25	ARM

Method: SM2540C

Prep Method: METHOD

Total Dissolved Solids	370		mg/L	20		2	379118	08/13/25	08/14/25	RDL
------------------------	------------	--	------	----	--	---	--------	----------	----------	-----

Analysis Results for 539738

Sample ID: DW-17
Lab ID: 539738-002
Collected: 08/11/25 09:29
Matrix: Water

539738-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.17	J	mg/L	0.20	0.073	1	379028	08/12/25 18:00	08/12/25 19:51	KUM
Chloride	150		mg/L	1.0	0.27	1	379028	08/12/25 18:00	08/12/25 19:51	KUM
Bromide	0.26	J	mg/L	0.30	0.060	1	379028	08/12/25 18:00	08/12/25 19:51	KUM
Nitrogen, Nitrate	0.93		mg/L	0.10	0.05	1	379028	08/12/25 18:00	08/12/25 19:51	KUM
Sulfate	180		mg/L	10	1.8	10	379028	08/12/25 18:00	08/12/25 20:07	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	379929	08/21/25	08/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	379259	08/14/25	08/14/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.086		mg/L	0.050	0.0062	1	379027	08/12/25	08/13/25	SBW
Calcium	4.7		mg/L	1.0	0.57	1	379027	08/12/25	08/13/25	SBW
Iron	ND		mg/L	0.10	0.041	1	379027	08/12/25	08/13/25	SBW
Magnesium	0.13		mg/L	0.10	0.025	1	379027	08/12/25	08/13/25	SBW
Manganese	ND		mg/L	0.010	0.0029	1	379027	08/12/25	08/13/25	SBW
Potassium	0.88		mg/L	0.50	0.42	1	379027	08/12/25	08/13/25	SBW
Sodium	220		mg/L	0.50	0.34	1	379027	08/12/25	08/13/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloromethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Acetone	ND		ug/L	100	14	1	379843	08/21/25	08/21/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
2-Butanone	ND		ug/L	100	1.3	1	379843	08/21/25	08/21/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloroform	ND		ug/L	5.0	0.08	1	379843	08/21/25	08/21/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST

Analysis Results for 539738

539738-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	379843	08/21/25	08/21/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	379843	08/21/25	08/21/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromoform	ND		ug/L	5.0	0.06	1	379843	08/21/25	08/21/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Naphthalene	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Xylene (total)	ND		ug/L	5.0		1	379843	08/21/25	08/21/25	ZST
Surrogates			Limits							
Dibromofluoromethane	103%	%REC	70-130			1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane-d4	98%	%REC	70-130			1	379843	08/21/25	08/21/25	ZST
Toluene-d8	99%	%REC	70-130			1	379843	08/21/25	08/21/25	ZST
Bromofluorobenzene	96%	%REC	70-130			1	379843	08/21/25	08/21/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 539738

539738-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	379053	08/13/25	08/13/25	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	379053	08/13/25	08/13/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	379161	08/13/25	08/13/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.24	1	380079	08/22/25	08/24/25	AXS
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	120		mg/L	3.3		1.7	379680	08/19/25	08/19/25	ARM
Alkalinity, Total as CaCO3	130		mg/L	3.3		1.7	379680	08/19/25	08/19/25	ARM
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	650		mg/L	20		2	379118	08/13/25	08/14/25	RDL

Analysis Results for 539738

Sample ID: DW-30
Lab ID: 539738-003
Collected: 08/11/25 10:50
Matrix: Water

539738-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.88		mg/L	0.20	0.073	1	379028	08/12/25 18:00	08/12/25 20:58	KUM
Chloride	58		mg/L	1.0	0.27	1	379028	08/12/25 18:00	08/12/25 20:58	KUM
Bromide	0.12	J	mg/L	0.30	0.060	1	379028	08/12/25 18:00	08/12/25 20:58	KUM
Nitrogen, Nitrate	0.24		mg/L	0.10	0.05	1	379028	08/12/25 18:00	08/12/25 20:58	KUM
Sulfate	300		mg/L	10	1.8	10	379028	08/12/25 18:00	08/12/25 22:06	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	379929	08/21/25	08/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	379259	08/14/25	08/14/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.21		mg/L	0.050	0.0062	1	379027	08/12/25	08/13/25	SBW
Calcium	37		mg/L	1.0	0.57	1	379027	08/12/25	08/13/25	SBW
Iron	0.28		mg/L	0.10	0.041	1	379027	08/12/25	08/13/25	SBW
Magnesium	5.9		mg/L	0.10	0.025	1	379027	08/12/25	08/13/25	SBW
Manganese	0.031		mg/L	0.010	0.0029	1	379027	08/12/25	08/13/25	SBW
Potassium	1.8		mg/L	0.50	0.42	1	379027	08/12/25	08/13/25	SBW
Sodium	190		mg/L	0.50	0.34	1	379027	08/12/25	08/13/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloromethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Acetone	ND		ug/L	100	14	1	379843	08/21/25	08/21/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
2-Butanone	ND		ug/L	100	1.3	1	379843	08/21/25	08/21/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloroform	ND		ug/L	5.0	0.08	1	379843	08/21/25	08/21/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST

Analysis Results for 539738

539738-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	379843	08/21/25	08/21/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Tetrachloroethene	0.4	J	ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	379843	08/21/25	08/21/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromoform	ND		ug/L	5.0	0.06	1	379843	08/21/25	08/21/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Naphthalene	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Xylene (total)	ND		ug/L	5.0		1	379843	08/21/25	08/21/25	ZST
Surrogates			Limits							
Dibromofluoromethane	106%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Toluene-d8	99%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Bromofluorobenzene	94%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 539738

539738-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	379053	08/13/25	08/13/25	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	379053	08/13/25	08/13/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	379161	08/13/25	08/13/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.24	1	380079	08/22/25	08/24/25	AXS
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	170		mg/L	3.3		1.7	379680	08/19/25	08/19/25	ARM
Alkalinity, Total as CaCO3	170		mg/L	3.3		1.7	379680	08/19/25	08/19/25	ARM
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	730		mg/L	20		2	379118	08/13/25	08/14/25	RDL

Analysis Results for 539738

Sample ID: DW-31
Lab ID: 539738-004
Collected: 08/11/25 11:48
Matrix: Water

539738-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.24		mg/L	0.20	0.073	1	379028	08/12/25 18:00	08/12/25 22:22	KUM
Chloride	85		mg/L	1.0	0.27	1	379028	08/12/25 18:00	08/12/25 22:22	KUM
Bromide	0.52		mg/L	0.30	0.060	1	379028	08/12/25 18:00	08/12/25 22:22	KUM
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	379028	08/12/25 18:00	08/12/25 22:22	KUM
Sulfate	290		mg/L	10	1.8	10	379028	08/12/25 18:00	08/12/25 22:39	KUM
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	379929	08/21/25	08/22/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	26		mg/L	4.0	2.0	1	379259	08/14/25	08/14/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.48		mg/L	0.050	0.0062	1	379027	08/12/25	08/13/25	SBW
Calcium	150		mg/L	1.0	0.57	1	379027	08/12/25	08/13/25	SBW
Iron	0.25		mg/L	0.10	0.041	1	379027	08/12/25	08/13/25	SBW
Magnesium	28		mg/L	0.10	0.025	1	379027	08/12/25	08/13/25	SBW
Manganese	0.76		mg/L	0.010	0.0029	1	379027	08/12/25	08/13/25	SBW
Potassium	1.6		mg/L	0.50	0.42	1	379027	08/12/25	08/13/25	SBW
Sodium	120		mg/L	0.50	0.34	1	379027	08/12/25	08/13/25	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloromethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Acetone	ND		ug/L	100	14	1	379843	08/21/25	08/21/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
2-Butanone	ND		ug/L	100	1.3	1	379843	08/21/25	08/21/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloroform	ND		ug/L	5.0	0.08	1	379843	08/21/25	08/21/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST

Analysis Results for 539738

539738-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	379843	08/21/25	08/21/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	379843	08/21/25	08/21/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromoform	ND		ug/L	5.0	0.06	1	379843	08/21/25	08/21/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Naphthalene	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Xylene (total)	ND		ug/L	5.0		1	379843	08/21/25	08/21/25	ZST
Surrogates			Limits							
Dibromofluoromethane	107%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane-d4	102%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Toluene-d8	98%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Bromofluorobenzene	98%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 539738

539738-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	9.7		ug/L	1.0	0.95	1	379053	08/13/25	08/13/25	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	106%		%REC	80-120		1	379053	08/13/25	08/13/25	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	379161	08/13/25	08/13/25	TXC
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	8.1		mg/L	1.0	0.24	1	380079	08/22/25	08/24/25	AXS
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	350		mg/L	5.0	2.5	379680	08/19/25	08/19/25	08/19/25	ARM
Alkalinity, Total as CaCO3	350		mg/L	5.0	2.5	379680	08/19/25	08/19/25	08/19/25	ARM
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	980		mg/L	20		2	379118	08/13/25	08/14/25	RDL

Analysis Results for 539738

Sample ID: QCFB
Lab ID: 539738-005
Collected: 08/11/25 09:32
Matrix: Water

539738-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloromethane	0.2	J	ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Acetone	ND		ug/L	100	14	1	379843	08/21/25	08/21/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Methylene Chloride	0.3	J	ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
2-Butanone	ND		ug/L	100	1.3	1	379843	08/21/25	08/21/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloroform	0.7	J	ug/L	5.0	0.08	1	379843	08/21/25	08/21/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	379843	08/21/25	08/21/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	379843	08/21/25	08/21/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromoform	ND		ug/L	5.0	0.06	1	379843	08/21/25	08/21/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST

Analysis Results for 539738

539738-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Naphthalene	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Xylene (total)	ND		ug/L	5.0		1	379843	08/21/25	08/21/25	ZST
Surrogates	Limits									
Dibromofluoromethane	104%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Toluene-d8	100%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Bromofluorobenzene	99%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST

Analysis Results for 539738

Sample ID: QCTB
Lab ID: 539738-006
Collected: 08/11/25
Matrix: Water

539738-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Freon 12	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloromethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Vinyl Chloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Acetone	ND		ug/L	100	14	1	379843	08/21/25	08/21/25	ZST
Freon 113	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Methylene Chloride	0.5	J	ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
MTBE	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloroethane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
2-Butanone	ND		ug/L	100	1.3	1	379843	08/21/25	08/21/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Chloroform	0.8	J	ug/L	5.0	0.08	1	379843	08/21/25	08/21/25	ZST
Bromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Benzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Trichloroethene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichloropropane	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
Bromodichloromethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Dibromomethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	1	379843	08/21/25	08/21/25	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Toluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	379843	08/21/25	08/21/25	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3-Dichloropropane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Tetrachloroethene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
Dibromochloromethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Chlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	379843	08/21/25	08/21/25	ZST
Ethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
m,p-Xylenes	ND		ug/L	10	0.2	1	379843	08/21/25	08/21/25	ZST
o-Xylene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Styrene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromoform	ND		ug/L	5.0	0.06	1	379843	08/21/25	08/21/25	ZST
Isopropylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST

Analysis Results for 539738

539738-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Propylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
Bromobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
4-Chlorotoluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
sec-Butylbenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	379843	08/21/25	08/21/25	ZST
n-Butylbenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	379843	08/21/25	08/21/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Hexachlorobutadiene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Naphthalene	ND		ug/L	5.0	0.6	1	379843	08/21/25	08/21/25	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	379843	08/21/25	08/21/25	ZST
Xylene (total)	ND		ug/L	5.0		1	379843	08/21/25	08/21/25	ZST
Surrogates	Limits									
Dibromofluoromethane	106%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Toluene-d8	97%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	379843	08/21/25	08/21/25	ZST

J Estimated value
ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1283615	Batch: 379028
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1283615 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	08/12/25 18:00	08/12/25 18:26
Chloride	ND		mg/L	1.0	0.27	08/12/25 18:00	08/12/25 18:26
Bromide	ND		mg/L	0.30	0.060	08/12/25 18:00	08/12/25 18:26
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/12/25 18:00	08/12/25 18:26
Sulfate	ND		mg/L	1.0	0.18	08/12/25 18:00	08/12/25 18:26

Type: Lab Control Sample	Lab ID: QC1283616	Batch: 379028
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1283616 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.699	10.00	mg/L	97%		90-110
Chloride	45.99	50.00	mg/L	92%		90-110
Bromide	14.38	15.00	mg/L	96%		90-110
Nitrogen, Nitrate	4.482	4.518	mg/L	99%		90-110
Sulfate	24.55	25.00	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC1283617	Batch: 379028
Matrix (Source ID): Water (539738-001)	Method: EPA 300.0	Prep Method: METHOD

QC1283617 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.51	0.4073	20.00	mg/L	101%		80-129	1
Chloride	190.9	94.46	100.0	mg/L	96%		80-123	1
Bromide	14.60	0.09811	15.00	mg/L	97%		80-121	1
Nitrogen, Nitrate	9.400	0.2974	9.036	mg/L	101%		80-123	1
Sulfate	78.20	29.15	50.00	mg/L	98%		79-124	1

Type: Matrix Spike Duplicate	Lab ID: QC1283618	Batch: 379028
Matrix (Source ID): Water (539738-001)	Method: EPA 300.0	Prep Method: METHOD

QC1283618 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.76	0.4073	20.00	mg/L	102%		80-129	1	21	1
Chloride	192.2	94.46	100.0	mg/L	98%		80-123	1	20	1
Bromide	14.81	0.09811	15.00	mg/L	98%		80-121	1	20	1
Nitrogen, Nitrate	9.526	0.2974	9.036	mg/L	102%		80-123	1	20	1
Sulfate	78.80	29.15	50.00	mg/L	99%		79-124	1	20	1

Type: Blank	Lab ID: QC1286769	Batch: 379929
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1286769 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	08/21/25	08/22/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1286770	Batch: 379929
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1286770 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.026	1.000	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC1286771	Batch: 379929
Matrix (Source ID): Water (539738-001)	Method: EPA 350.1	Prep Method: METHOD

QC1286771 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9573	ND	1.000	mg/L	96%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1286772	Batch: 379929
Matrix (Source ID): Water (539738-001)	Method: EPA 350.1	Prep Method: METHOD

QC1286772 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.8513	ND	1.000	mg/L	85%	*	90-110	12	20	1

Type: Matrix Spike	Lab ID: QC1286773	Batch: 379929
Matrix (Source ID): Water (539738-002)	Method: EPA 350.1	Prep Method: METHOD

QC1286773 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9796	ND	1.000	mg/L	98%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1286774	Batch: 379929
Matrix (Source ID): Water (539738-002)	Method: EPA 350.1	Prep Method: METHOD

QC1286774 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.021	ND	1.000	mg/L	102%		90-110	4	20	1

Type: Blank	Lab ID: QC1284339	Batch: 379259
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1284339 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	08/14/25	08/14/25

Type: Lab Control Sample	Lab ID: QC1284340	Batch: 379259
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1284340 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	100.0	100.0	mg/L	100%		90-110

Batch QC

Type: Matrix Spike	Lab ID: QC1284341	Batch: 379259
Matrix (Source ID): Water (539423-001)	Method: EPA 410.4	Prep Method: METHOD

QC1284341 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	102.0	3.000	100.0	mg/L	99%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1284342	Batch: 379259
Matrix (Source ID): Water (539423-001)	Method: EPA 410.4	Prep Method: METHOD

QC1284342 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	100.0	3.000	100.0	mg/L	97%		75-125	2	20	2

Type: Matrix Spike	Lab ID: QC1284343	Batch: 379259
Matrix (Source ID): Water (539738-001)	Method: EPA 410.4	Prep Method: METHOD

QC1284343 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	88.00	ND	100.0	mg/L	88%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1284344	Batch: 379259
Matrix (Source ID): Water (539738-001)	Method: EPA 410.4	Prep Method: METHOD

QC1284344 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	88.00	ND	100.0	mg/L	88%		75-125	0	20	2

Type: Lab Control Sample	Lab ID: QC1283597	Batch: 379027
Matrix: Filtrate	Method: EPA 6010B	Prep Method: EPA 3015A

QC1283597 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3539	0.4000	mg/L	88%		80-120
Calcium	18.59	20.40	mg/L	91%		80-120
Iron	0.3848	0.4000	mg/L	96%		80-120
Magnesium	19.26	20.40	mg/L	94%		80-120
Manganese	0.3782	0.4000	mg/L	95%		80-120
Potassium	21.93	24.00	mg/L	91%		80-120
Sodium	19.04	20.40	mg/L	93%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1283598	Batch: 379027
Matrix (Source ID): Water (539652-007)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1283598 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.3575	ND	0.4000	mg/L	89%		75-125	1
Calcium	18.43	ND	20.40	mg/L	90%		75-125	1
Iron	0.3928	ND	0.4000	mg/L	98%		75-125	1
Magnesium	19.07	ND	20.40	mg/L	93%		75-125	1
Manganese	0.3755	ND	0.4000	mg/L	94%		75-125	1
Potassium	21.83	ND	24.00	mg/L	91%		75-125	1
Sodium	18.96	ND	20.40	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1283599	Batch: 379027
Matrix (Source ID): Water (539652-007)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1283599 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.3600	ND	0.4000	mg/L	90%		75-125	1	20	1
Calcium	18.56	ND	20.40	mg/L	91%		75-125	1	20	1
Iron	0.3934	ND	0.4000	mg/L	98%		75-125	0	22	1
Magnesium	19.22	ND	20.40	mg/L	94%		75-125	1	20	1
Manganese	0.3781	ND	0.4000	mg/L	95%		75-125	1	20	1
Potassium	21.94	ND	24.00	mg/L	91%		75-125	1	20	1
Sodium	18.96	ND	20.40	mg/L	93%		75-125	0	20	1

Type: Blank	Lab ID: QC1283628	Batch: 379027
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1283628 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	08/12/25	08/13/25
Calcium	ND		mg/L	1.0	0.57	08/12/25	08/13/25
Iron	ND		mg/L	0.10	0.046	08/12/25	08/13/25
Magnesium	ND		mg/L	0.10	0.025	08/12/25	08/13/25
Manganese	ND		mg/L	0.010	0.0029	08/12/25	08/13/25
Potassium	ND		mg/L	0.50	0.40	08/12/25	08/13/25
Sodium	ND		mg/L	0.60	0.35	08/12/25	08/13/25

Batch QC

Type: Serial Dilution	Lab ID: QC1283630	Batch: 379027
Matrix (Source ID): Water (539652-007)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1283630 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	ND	ND	mg/L				5
Calcium	ND	ND	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	ND	ND	mg/L				5
Manganese	ND	ND	mg/L				5
Potassium	ND	ND	mg/L				5
Sodium	ND	ND	mg/L				5

Type: Lab Control Sample	Lab ID: QC1286092	Batch: 379732
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286092 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.29	50.00	ug/L	103%		69-128
MTBE	47.11	50.00	ug/L	94%		66-125
Benzene	51.14	50.00	ug/L	102%		76-121
Trichloroethene	52.92	50.00	ug/L	106%		76-124
Toluene	50.79	50.00	ug/L	102%		76-120
Chlorobenzene	49.63	50.00	ug/L	99%		78-120
Surrogates						
Dibromofluoromethane	48.74	50.00	ug/L	97%		70-130
1,2-Dichloroethane-d4	48.64	50.00	ug/L	97%		70-130
Toluene-d8	50.78	50.00	ug/L	102%		70-130
Bromofluorobenzene	50.86	50.00	ug/L	102%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1286093	Batch: 379732
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286093 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	50.41	50.00	ug/L	101%		69-128	2	23
MTBE	46.30	50.00	ug/L	93%		66-125	2	22
Benzene	49.67	50.00	ug/L	99%		76-121	3	21
Trichloroethene	50.83	50.00	ug/L	102%		76-124	4	22
Toluene	49.19	50.00	ug/L	98%		76-120	3	21
Chlorobenzene	48.78	50.00	ug/L	98%		78-120	2	20
Surrogates								
Dibromofluoromethane	48.93	50.00	ug/L	98%		70-130		
1,2-Dichloroethane-d4	48.46	50.00	ug/L	97%		70-130		
Toluene-d8	50.16	50.00	ug/L	100%		70-130		
Bromofluorobenzene	49.47	50.00	ug/L	99%		70-130		

Batch QC

Type: Blank	Lab ID: QC1286097	Batch: 379732
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286097 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.3	08/20/25	08/20/25
Freon 12	ND		ug/L	5.0	0.2	08/20/25	08/20/25
Chloromethane	ND		ug/L	5.0	0.4	08/20/25	08/20/25
Vinyl Chloride	ND		ug/L	5.0	0.2	08/20/25	08/20/25
Bromomethane	ND		ug/L	5.0	0.2	08/20/25	08/20/25
Chloroethane	ND		ug/L	5.0	0.2	08/20/25	08/20/25
Trichlorofluoromethane	ND		ug/L	5.0	0.2	08/20/25	08/20/25
Acetone	ND		ug/L	100	16	08/20/25	08/20/25
Freon 113	ND		ug/L	5.0	0.1	08/20/25	08/20/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Methylene Chloride	ND		ug/L	5.0	0.2	08/20/25	08/20/25
MTBE	ND		ug/L	5.0	0.03	08/20/25	08/20/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
1,1-Dichloroethane	ND		ug/L	5.0	0.05	08/20/25	08/20/25
2-Butanone	ND		ug/L	100	1.3	08/20/25	08/20/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.05	08/20/25	08/20/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Chloroform	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Bromochloromethane	ND		ug/L	5.0	0.1	08/20/25	08/20/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.07	08/20/25	08/20/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Carbon Tetrachloride	ND		ug/L	5.0	0.09	08/20/25	08/20/25
1,2-Dichloroethane	ND		ug/L	5.0	0.06	08/20/25	08/20/25
Benzene	ND		ug/L	5.0	0.04	08/20/25	08/20/25
Trichloroethene	ND		ug/L	5.0	0.09	08/20/25	08/20/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Bromodichloromethane	ND		ug/L	5.0	0.07	08/20/25	08/20/25
Dibromomethane	ND		ug/L	5.0	0.1	08/20/25	08/20/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.7	08/20/25	08/20/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
Toluene	ND		ug/L	5.0	0.2	08/20/25	08/20/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	08/20/25	08/20/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	08/20/25	08/20/25
1,3-Dichloropropane	ND		ug/L	5.0	0.05	08/20/25	08/20/25
Tetrachloroethene	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Dibromochloromethane	ND		ug/L	5.0	0.06	08/20/25	08/20/25
1,2-Dibromoethane	ND		ug/L	5.0	0.06	08/20/25	08/20/25
Chlorobenzene	ND		ug/L	5.0	0.07	08/20/25	08/20/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.05	08/20/25	08/20/25
Ethylbenzene	ND		ug/L	5.0	0.05	08/20/25	08/20/25
m,p-Xylenes	ND		ug/L	10	0.09	08/20/25	08/20/25
o-Xylene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
Styrene	ND		ug/L	5.0	0.09	08/20/25	08/20/25
Bromoform	ND		ug/L	5.0	0.09	08/20/25	08/20/25
Isopropylbenzene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	08/20/25	08/20/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.1	08/20/25	08/20/25

Batch QC

QC1286097 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.05	08/20/25	08/20/25
Bromobenzene	ND		ug/L	5.0	0.09	08/20/25	08/20/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.05	08/20/25	08/20/25
2-Chlorotoluene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
4-Chlorotoluene	ND		ug/L	5.0	0.05	08/20/25	08/20/25
tert-Butylbenzene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.08	08/20/25	08/20/25
sec-Butylbenzene	ND		ug/L	5.0	0.07	08/20/25	08/20/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.06	08/20/25	08/20/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	08/20/25	08/20/25
n-Butylbenzene	ND		ug/L	5.0	0.04	08/20/25	08/20/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.09	08/20/25	08/20/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	08/20/25	08/20/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Hexachlorobutadiene	ND		ug/L	5.0	0.1	08/20/25	08/20/25
Naphthalene	ND		ug/L	5.0	0.2	08/20/25	08/20/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.09	08/20/25	08/20/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	08/20/25	08/20/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	08/20/25	08/20/25
Xylene (total)	ND		ug/L	5.0		08/20/25	08/20/25
Surrogates				Limits			
Dibromofluoromethane	97%		%REC	70-130		08/20/25	08/20/25
1,2-Dichloroethane-d4	99%		%REC	70-130		08/20/25	08/20/25
Toluene-d8	102%		%REC	70-130		08/20/25	08/20/25
Bromofluorobenzene	101%		%REC	70-130		08/20/25	08/20/25

Type: Matrix Spike	Lab ID: QC1286256	Batch: 379732
Matrix (Source ID): Water (539738-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286256 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	20.76	ND	20.00	ug/L	104%		62-131	1
MTBE	20.14	ND	20.00	ug/L	101%		61-124	1
Benzene	21.91	ND	20.00	ug/L	110%		70-123	1
Trichloroethene	22.13	ND	20.00	ug/L	111%		65-131	1
Toluene	21.57	ND	20.00	ug/L	108%		69-120	1
Chlorobenzene	22.21	ND	20.00	ug/L	111%		72-121	1
Surrogates								
Dibromofluoromethane	48.75		50.00	ug/L	97%		70-130	1
1,2-Dichloroethane-d4	51.16		50.00	ug/L	102%		70-130	1
Toluene-d8	49.63		50.00	ug/L	99%		70-130	1
Bromofluorobenzene	48.51		50.00	ug/L	97%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1286257	Batch: 379732
Matrix (Source ID): Water (539738-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286257 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	21.72	ND	20.00	ug/L	109%		62-131	4	31	1
MTBE	21.10	ND	20.00	ug/L	106%		61-124	5	30	1
Benzene	22.60	ND	20.00	ug/L	113%		70-123	3	31	1
Trichloroethene	22.06	ND	20.00	ug/L	110%		65-131	0	31	1
Toluene	21.50	ND	20.00	ug/L	108%		69-120	0	29	1
Chlorobenzene	22.07	ND	20.00	ug/L	110%		72-121	1	29	1
Surrogates										
Dibromofluoromethane	50.11		50.00	ug/L	100%		70-130			1
1,2-Dichloroethane-d4	52.87		50.00	ug/L	106%		70-130			1
Toluene-d8	48.69		50.00	ug/L	97%		70-130			1
Bromofluorobenzene	48.93		50.00	ug/L	98%		70-130			1

Batch QC

Type: Blank	Lab ID: QC1286470	Batch: 379843
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286470 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.2	08/21/25	08/21/25
Freon 12	ND		ug/L	5.0	0.2	08/21/25	08/21/25
Chloromethane	ND		ug/L	5.0	0.09	08/21/25	08/21/25
Vinyl Chloride	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Bromomethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Chloroethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Acetone	ND		ug/L	100	14	08/21/25	08/21/25
Freon 113	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Methylene Chloride	ND		ug/L	5.0	0.2	08/21/25	08/21/25
MTBE	ND		ug/L	5.0	0.1	08/21/25	08/21/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	08/21/25	08/21/25
2-Butanone	ND		ug/L	100	1.3	08/21/25	08/21/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	08/21/25	08/21/25
Chloroform	ND		ug/L	5.0	0.08	08/21/25	08/21/25
Bromochloromethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	08/21/25	08/21/25
Benzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Trichloroethene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,2-Dichloropropane	ND		ug/L	5.0	0.09	08/21/25	08/21/25
Bromodichloromethane	ND		ug/L	5.0	0.07	08/21/25	08/21/25
Dibromomethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	08/21/25	08/21/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Toluene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.09	08/21/25	08/21/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,3-Dichloropropane	ND		ug/L	5.0	0.07	08/21/25	08/21/25
Tetrachloroethene	ND		ug/L	5.0	0.2	08/21/25	08/21/25
Dibromochloromethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,2-Dibromoethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Chlorobenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	08/21/25	08/21/25
Ethylbenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
m,p-Xylenes	ND		ug/L	10	0.2	08/21/25	08/21/25
o-Xylene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Styrene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Bromoform	ND		ug/L	5.0	0.06	08/21/25	08/21/25
Isopropylbenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.3	08/21/25	08/21/25

Batch QC

QC1286470 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
Bromobenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
4-Chlorotoluene	ND		ug/L	5.0	0.2	08/21/25	08/21/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	08/21/25	08/21/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	08/21/25	08/21/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	08/21/25	08/21/25
n-Butylbenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	08/21/25	08/21/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.6	08/21/25	08/21/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	08/21/25	08/21/25
Hexachlorobutadiene	ND		ug/L	5.0	0.3	08/21/25	08/21/25
Naphthalene	ND		ug/L	5.0	0.6	08/21/25	08/21/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	08/21/25	08/21/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	08/21/25	08/21/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	08/21/25	08/21/25
Xylene (total)	ND		ug/L	5.0		08/21/25	08/21/25
Surrogates	Limits						
Dibromofluoromethane	105%		%REC	70-130		08/21/25	08/21/25
1,2-Dichloroethane-d4	100%		%REC	70-130		08/21/25	08/21/25
Toluene-d8	99%		%REC	70-130		08/21/25	08/21/25
Bromofluorobenzene	95%		%REC	70-130		08/21/25	08/21/25

Type: Lab Control Sample
Matrix: Water

Lab ID: QC1286471
Method: EPA 8260B

Batch: 379843
Prep Method: EPA 5030B

QC1286471 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.92	50.00	ug/L	102%		69-128
MTBE	51.73	50.00	ug/L	103%		66-125
Benzene	52.82	50.00	ug/L	106%		76-121
Trichloroethene	52.86	50.00	ug/L	106%		76-124
Toluene	53.08	50.00	ug/L	106%		76-120
Chlorobenzene	53.04	50.00	ug/L	106%		78-120
Surrogates						
Dibromofluoromethane	51.54	50.00	ug/L	103%		70-130
1,2-Dichloroethane-d4	49.59	50.00	ug/L	99%		70-130
Toluene-d8	49.65	50.00	ug/L	99%		70-130
Bromofluorobenzene	47.11	50.00	ug/L	94%		70-130

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1286472	Batch: 379843
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286472 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	46.05	50.00	ug/L	92%		69-128	10	23
MTBE	48.74	50.00	ug/L	97%		66-125	6	22
Benzene	48.72	50.00	ug/L	97%		76-121	8	21
Trichloroethene	48.11	50.00	ug/L	96%		76-124	9	22
Toluene	48.17	50.00	ug/L	96%		76-120	10	21
Chlorobenzene	48.05	50.00	ug/L	96%		78-120	10	20
Surrogates								
Dibromofluoromethane	51.53	50.00	ug/L	103%		70-130		
1,2-Dichloroethane-d4	49.13	50.00	ug/L	98%		70-130		
Toluene-d8	48.91	50.00	ug/L	98%		70-130		
Bromofluorobenzene	45.68	50.00	ug/L	91%		70-130		

Type: Matrix Spike	Lab ID: QC1286528	Batch: 379843
Matrix (Source ID): Water (540387-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286528 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,063	ND	1000	ug/L	106%		62-131	50
MTBE	1,021	ND	1000	ug/L	102%		61-124	50
Benzene	1,133	27.93	1000	ug/L	110%		70-123	50
Trichloroethene	1,156	ND	1000	ug/L	116%		65-131	50
Toluene	1,126	17.91	1000	ug/L	111%		69-120	50
Chlorobenzene	1,111	ND	1000	ug/L	111%		72-121	50
Surrogates								
Dibromofluoromethane	2,597		2500	ug/L	104%		70-130	50
1,2-Dichloroethane-d4	2,511		2500	ug/L	100%		70-130	50
Toluene-d8	2,503		2500	ug/L	100%		70-130	50
Bromofluorobenzene	2,328		2500	ug/L	93%		70-130	50

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1286529	Batch: 379843
Matrix (Source ID): Water (540387-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1286529 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	1,117	ND	1000	ug/L	112%		62-131	5	31	50
MTBE	1,065	ND	1000	ug/L	107%		61-124	4	30	50
Benzene	1,176	27.93	1000	ug/L	115%		70-123	4	31	50
Trichloroethene	1,131	ND	1000	ug/L	113%		65-131	2	31	50
Toluene	1,112	17.91	1000	ug/L	109%		69-120	1	29	50
Chlorobenzene	1,104	ND	1000	ug/L	110%		72-121	1	29	50
Surrogates										
Dibromofluoromethane	2,701		2500	ug/L	108%		70-130			50
1,2-Dichloroethane-d4	2,766		2500	ug/L	111%		70-130			50
Toluene-d8	2,493		2500	ug/L	100%		70-130			50
Bromofluorobenzene	2,356		2500	ug/L	94%		70-130			50

Type: Blank	Lab ID: QC1283710	Batch: 379053
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1283710 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	08/13/25	08/13/25
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	105%		%REC	80-120		08/13/25	08/13/25

Type: Lab Control Sample	Lab ID: QC1283711	Batch: 379053
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1283711 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.05	10.00	ug/L	101%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.31	10.00	ug/L	103%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1283712	Batch: 379053
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1283712 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.921	10.00	ug/L	99%		79-120	1	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.24	10.00	ug/L	102%		80-120		

Type: Blank	Lab ID: QC1284050	Batch: 379161
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1284050 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		08/13/25	08/13/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1284051	Batch: 379161
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1284051 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike	Lab ID: QC1284052	Batch: 379161
Matrix (Source ID): Water (539841-005)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1284052 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1284053	Batch: 379161
Matrix (Source ID): Water (539841-005)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1284053 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Sulfide	0.9000	ND	1.000	mg/L	90%		80-120	0	20	1

Type: Blank	Lab ID: QC1287276	Batch: 380079
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1287276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	08/22/25	08/23/25

Type: Lab Control Sample	Lab ID: QC1287277	Batch: 380079
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1287277 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.28	25.00	mg/L	97%		85-115

Type: Matrix Spike	Lab ID: QC1287278	Batch: 380079
Matrix (Source ID): Water (539738-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1287278 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	27.91	0.9392	25.00	mg/L	108%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1287279	Batch: 380079
Matrix (Source ID): Water (539738-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1287279 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Total Organic Carbon	28.63	0.9392	25.00	mg/L	111%		75-125	3	25	1

Batch QC

Type: Blank	Lab ID: QC1285918	Batch: 379680
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1285918 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO ₃	ND		mg/L	2.0		08/19/25	08/19/25
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		08/19/25	08/19/25

Type: Lab Control Sample	Lab ID: QC1285919	Batch: 379680
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1285919 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	898.9	1000	mg/L	90%		90-110

Type: Sample Duplicate	Lab ID: QC1285920	Batch: 379680
Matrix (Source ID): Water (539618-002)	Method: SM2320B	Prep Method: METHOD

QC1285920 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO ₃	112.6	110.8	mg/L		2	20	2.5
Alkalinity, Total as CaCO ₃	112.6	110.8	mg/L		2	20	2.5

Type: Blank	Lab ID: QC1283890	Batch: 379118
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1283890 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		08/13/25	08/14/25

Type: Lab Control Sample	Lab ID: QC1283891	Batch: 379118
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1283891 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,024	1000	mg/L	102%		90-110

Type: Sample Duplicate	Lab ID: QC1283892	Batch: 379118
Matrix (Source ID): Water (539509-001)	Method: SM2540C	Prep Method: METHOD

QC1283892 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,548	2546	mg/L		0	5	2

Type: Sample Duplicate	Lab ID: QC1283893	Batch: 379118
Matrix (Source ID): Water (539686-002)	Method: SM2540C	Prep Method: METHOD

QC1283893 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,596	1630	mg/L		2	5	2

Batch QC

* Value is outside QC limits
ND Not Detected

Laboratory Job Number 539738

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2508891

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 079649

Project: EO-539738

Project Location:

Project Received: 08/14/2025

Analytical Report reviewed & approved for release on 08/18/2025 by:

Jena Alfaro

Project Manager

McC Campbell Analytical Inc. is not accredited for all the testing in this report. 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.





Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

WorkOrder: 2508891

Project: EO-539738

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: 2508891

Project: EO-539738

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: 08/14/2025 9:24
Date Prepared: 08/18/2025
Project: EO-539738

WorkOrder: 2508891
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
DW-14	2508891-001A	Water	08/11/2025 08:15	GC26 0818250904.D	323908

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	350	50	50	1	08/18/2025 10:38

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-17	2508891-002A	Water	08/11/2025 09:29	GC26 0818250905.D	323908

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	310	50	50	1	08/18/2025 11:05

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2508891-003A	Water	08/11/2025 10:50	GC26 0818250907.D	323908

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	2600	100	100	2	08/18/2025 11:32

Analyst(s): CLO

(Cont.)



Analytical Report

Client: Enthalpy Analytical
Date Received: 08/14/2025 9:24
Date Prepared: 08/18/2025
Project: EO-539738

WorkOrder: 2508891
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
DW-31	2508891-004A	Water	08/11/2025 11:48	GC26 0818250909.D	323908

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	38,000	2000	2000	40	08/18/2025 13:08

Analyst(s): CLO



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 08/18/2025
Date Analyzed: 08/18/2025
Instrument: GC26
Matrix: Water
Project: EO-539738

WorkOrder: 2508891
BatchID: 323908
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-323908

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	75	70	70-130	6.79	30

McC Campbell 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: 2508891

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-539738

Bill to:

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

Requested TAT: 2 days;

Date Received: 08/14/2025

Date Logged: 08/14/2025

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2508891-001	DW-14	Water	8/11/2025 08:15	☐	A	A										
2508891-002	DW-17	Water	8/11/2025 09:29	☐	A	A										
2508891-003	DW-30	Water	8/11/2025 10:50	☐	A	A										
2508891-004	DW-31	Water	8/11/2025 11:48	☐	A	A										

Test Legend:

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

Prepared by: Valerie Alfaro

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.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL

Project: EO-539738

Work Order: 2508891

Client Contact: Zach Barker

QC Level: LEVEL 2

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

Comments

Date Logged: 8/14/2025

☐ 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	DW-14	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	8/11/2025 8:15	2 days	8/18/2025	Present	☐	☐
002A	DW-17	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	8/11/2025 9:29	2 days	8/18/2025	Trace	☐	☐
003A	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	8/11/2025 10:50	2 days	8/18/2025	Present	☐	☐
004A	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	8/11/2025 11:48	2 days	8/18/2025	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.

HOLD TIME RUSH

2508891



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

Subcontract Laboratory:

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

Enthalpy Order: EO-539738

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:

--

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-14	11-AUG-2025 08:15	539738-001	3	Water	RSK-175 CO2	
DW-17	11-AUG-2025 09:29	539738-002	3	Water	RSK-175 CO2	
DW-30	11-AUG-2025 10:50	539738-003	3	Water	RSK-175 CO2	
DW-31	11-AUG-2025 11:48	539738-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	<i>[Signature]</i>	<i>FedEx</i>
	Date: 8-13-25 15:01	Date:
	<i>FedEx</i>	<i>[Signature]</i>
	Date:	Date: 8/14/25 0924
	Date:	Date:

TN:8835 5297 1761

2.3 wet
1 RU1



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-539738

Date and Time Received: 8/14/2025 09:24
Date Logged: 8/14/2025

WorkOrder №: 2508891 Matrix:
Carrier: FedEx

Received by:
Logged by: Valerie Alfaro

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 ☐
COC quote NOT expired?	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: 2.3°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:



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

enthalpy.com

Lab Job Number : 542143
Report Level : II
Report Date : 09/30/2025

Analytical Report *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

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, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

Sample Summary

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #: 542143
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 09/15/25

Sample ID	Lab ID	Collected	Matrix
DW-17	542143-001	09/15/25 08:27	Water
DW-14	542143-002	09/15/25 09:47	Water
PZ-4	542143-003	09/15/25 11:08	Water
DW-30	542143-004	09/15/25 12:34	Water
QCFB	542143-005	09/15/25 12:36	Water
QCTB	542143-006	09/15/25 00:00	Water

Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Steve Cassulo

Lab Job Number: 542143
Project No: GW MONITORING
Location: Chiquita Canyon
Landfill
Date Received: 09/15/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 09/16/25. The samples were received in good condition.

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

No 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 6010B):

- Low recovery was observed for manganese in the MSD for batch 382094; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Iron was detected above the RL in the method blank for batch 382114; this analyte was not detected in the sample at or above the RL.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Low recoveries were observed for bromide and chloride in the MS/MSD for batch 382054; the parent sample was not a project sample, and the LCS was within limits.
- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 382054 and the MS/MSD of DW-14 (lab # 542143-002); affected data was qualified with "E".
- Nitrogen, nitrate was analyzed outside of hold time; affected data was qualified with "H".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):

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 (EPA 410.4):

No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):

- Low recovery was observed for ammonia-N in the MSD for batch 382173; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other 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.

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 9.15.25 WO# 542143 Client: WASTE CONNECTION

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☒ No

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

Shipping Info: Walk in or Pickup

Section 3a: Condition / Packaging

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

Date Opened _____ By (initials) JWL

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: IR03 CF: -0.7C

Cooler Temp (°C) #1: 19.7 / 19.0 #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

☐ PM notified

Date Logged 9.15.25 By (print) JWL (sign) [Signature]
 Date Labeled 9.15.25 By (print) JWL (sign) [Signature]

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 16-SEP-2025 WO# 542143 Client: Chiquita Canyon Landfill

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 16-SEP-2025 By (initials) DEP

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

Cooler Temp (°C) #1: 5.8 / 5.8 #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.)

*RSK subcontracted by Los Angeles service center

☒ No additional discrepancies

Date Logged 15-SEP-2025 By (print) Los Angeles

(sign) for LA

Date Labeled 15-SEP-2025 By (print) Los Angeles

(sign) for LA

Analysis Results for 542143

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 542143
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 09/15/25

Sample ID: DW-17

Lab ID: 542143-001

Collected: 09/15/25 08:27

Matrix: Water

542143-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	ND		mg/L	0.20	0.073	1	382054	09/16/25 14:22	09/17/25 09:23	AJL
Chloride	150		mg/L	1.0	0.27	1	382054	09/16/25 14:22	09/17/25 09:23	AJL
Bromide	0.24	J	mg/L	0.30	0.060	1	382054	09/16/25 14:22	09/17/25 09:23	AJL
Nitrogen, Nitrate	0.92	H	mg/L	0.10	0.05	1	382054	09/16/25 14:22	09/17/25 09:23	AJL
Sulfate	180		mg/L	10	1.8	10	382054	09/16/25 14:22	09/17/25 09:39	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	382173	09/17/25	09/18/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	2.0	J	mg/L	4.0	2.0	1	382093	09/16/25	09/17/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.073		mg/L	0.050	0.0062	1	382094	09/16/25	09/17/25	TWJ
Calcium	4.4		mg/L	1.0	0.57	1	382094	09/16/25	09/17/25	TWJ
Iron	ND		mg/L	0.10	0.041	1	382094	09/16/25	09/17/25	TWJ
Magnesium	0.12		mg/L	0.10	0.025	1	382094	09/16/25	09/17/25	TWJ
Manganese	ND		mg/L	0.010	0.0029	1	382094	09/16/25	09/17/25	TWJ
Potassium	0.63		mg/L	0.50	0.42	1	382094	09/16/25	09/17/25	TWJ
Sodium	200		mg/L	0.50	0.34	1	382094	09/16/25	09/17/25	TWJ
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Chloromethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Vinyl Chloride	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.4	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Benzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Trichloroethene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Tetrachloroethene	ND		ug/L	0.5	0.09	1	382134	09/17/25	09/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Surrogates										
				Limits						
Dibromofluoromethane	106%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane-d4	108%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Toluene-d8	96%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST

Analysis Results for 542143

542143-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM										
Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.87	1	382258	09/18/25	09/19/25	ZFA
Surrogates	Limits									
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	382258	09/18/25	09/19/25	ZFA
Method: SM 4500-S2-D										
Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	382198	09/17/25	09/17/25	LVL
Method: SM 5310B										
Prep Method: SM 5310B										
Total Organic Carbon	0.84	J	mg/L	1.0	0.49	1	382325	09/18/25	09/18/25	ARM
Method: SM2320B										
Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	130		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Alkalinity, Total as CaCO3	130		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Method: SM2540C										
Prep Method: METHOD										
Total Dissolved Solids	660		mg/L	20		2	382092	09/16/25	09/17/25	AAB

Analysis Results for 542143

Sample ID: DW-14
Lab ID: 542143-002
Collected: 09/15/25 09:47
Matrix: Water

542143-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.41		mg/L	0.20	0.073	1	382054	09/16/25 14:22	09/16/25 15:06	AJL
Chloride	93		mg/L	1.0	0.27	1	382054	09/16/25 14:22	09/16/25 15:06	AJL
Bromide	0.088	J	mg/L	0.30	0.060	1	382054	09/16/25 14:22	09/16/25 15:06	AJL
Nitrogen, Nitrate	0.29		mg/L	0.10	0.05	1	382054	09/16/25 14:22	09/16/25 15:06	AJL
Sulfate	29		mg/L	1.0	0.18	1	382054	09/16/25 14:22	09/16/25 15:06	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	382173	09/17/25	09/18/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	382093	09/16/25	09/17/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.10		mg/L	0.050	0.0062	1	382094	09/16/25	09/17/25	TWJ
Calcium	2.4		mg/L	1.0	0.57	1	382094	09/16/25	09/17/25	TWJ
Iron	0.22		mg/L	0.10	0.041	1	382094	09/16/25	09/17/25	TWJ
Magnesium	0.18		mg/L	0.10	0.025	1	382094	09/16/25	09/17/25	TWJ
Manganese	ND		mg/L	0.010	0.0029	1	382094	09/16/25	09/17/25	TWJ
Potassium	0.53		mg/L	0.50	0.42	1	382094	09/16/25	09/17/25	TWJ
Sodium	140		mg/L	0.50	0.34	1	382094	09/16/25	09/17/25	TWJ
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Chloromethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Vinyl Chloride	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.4	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Benzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Trichloroethene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Tetrachloroethene	ND		ug/L	0.5	0.09	1	382134	09/17/25	09/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Surrogates										
Limits										
Dibromofluoromethane	107%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane-d4	106%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Toluene-d8	98%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.87	1	382258	09/18/25	09/19/25	ZFA
Surrogates										
Limits										
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	382258	09/18/25	09/19/25	ZFA

Analysis Results for 542143

542143-002 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	382198	09/17/25	09/17/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	0.60	J	mg/L	1.0	0.49	1	382325	09/18/25	09/18/25	ARM
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO ₃	120		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Alkalinity, Total as CaCO ₃	180		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	420		mg/L	20		2	382092	09/16/25	09/17/25	AAB

Analysis Results for 542143

Sample ID: PZ-4
Lab ID: 542143-003
Collected: 09/15/25 11:08
Matrix: Water

542143-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.56		mg/L	0.20	0.073	1	382054	09/16/25 14:22	09/16/25 18:12	AJL
Chloride	57		mg/L	1.0	0.27	1	382054	09/16/25 14:22	09/16/25 18:12	AJL
Bromide	0.11	J	mg/L	0.30	0.060	1	382054	09/16/25 14:22	09/16/25 18:12	AJL
Nitrogen, Nitrate	1.1		mg/L	0.10	0.05	1	382054	09/16/25 14:22	09/16/25 18:12	AJL
Sulfate	130		mg/L	10	1.8	10	382054	09/16/25 14:22	09/16/25 18:29	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	382173	09/17/25	09/18/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	12		mg/L	4.0	2.0	1	382093	09/16/25	09/17/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.35		mg/L	0.050	0.0055	1	382114	09/17/25	09/17/25	TWJ
Calcium	54		mg/L	1.0	0.57	1	382114	09/17/25	09/17/25	TWJ
Iron	ND		mg/L	0.10	0.046	1	382114	09/17/25	09/17/25	TWJ
Magnesium	11		mg/L	0.10	0.025	1	382114	09/17/25	09/17/25	TWJ
Manganese	ND		mg/L	0.010	0.0029	1	382114	09/17/25	09/17/25	TWJ
Potassium	2.5		mg/L	0.50	0.40	1	382114	09/17/25	09/17/25	TWJ
Sodium	190		mg/L	0.60	0.35	1	382114	09/17/25	09/17/25	TWJ
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	0.4	J	ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Chloromethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Vinyl Chloride	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.4	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Benzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Trichloroethene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Tetrachloroethene	ND		ug/L	0.5	0.09	1	382134	09/17/25	09/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Surrogates										
Limits										
Dibromofluoromethane	108%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane-d4	108%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Toluene-d8	98%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Bromofluorobenzene	96%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.87	1	382258	09/18/25	09/19/25	ZFA
Surrogates										
Limits										
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	382258	09/18/25	09/19/25	ZFA

Analysis Results for 542143

542143-003 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	382198	09/17/25	09/17/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	3.7		mg/L	1.0	0.49	1	382325	09/18/25	09/18/25	ARM
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO ₃	370		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Alkalinity, Total as CaCO ₃	370		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	720		mg/L	20		2	382092	09/16/25	09/17/25	AAB

Analysis Results for 542143

Sample ID: DW-30
Lab ID: 542143-004
Collected: 09/15/25 12:34
Matrix: Water

542143-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.91		mg/L	0.20	0.073	1	382054	09/16/25 14:22	09/16/25 18:46	AJL
Chloride	57		mg/L	1.0	0.27	1	382054	09/16/25 14:22	09/16/25 18:46	AJL
Bromide	0.11	J	mg/L	0.30	0.060	1	382054	09/16/25 14:22	09/16/25 18:46	AJL
Nitrogen, Nitrate	0.22		mg/L	0.10	0.05	1	382054	09/16/25 14:22	09/16/25 18:46	AJL
Sulfate	310		mg/L	10	1.8	10	382054	09/16/25 14:22	09/16/25 19:02	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	382173	09/17/25	09/18/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	1	382093	09/16/25	09/17/25	TDD
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.22		mg/L	0.050	0.0055	1	382114	09/17/25	09/17/25	TWJ
Calcium	38		mg/L	1.0	0.57	1	382114	09/17/25	09/17/25	TWJ
Iron	0.31		mg/L	0.10	0.046	1	382371	09/19/25	09/19/25	SBW
Magnesium	6.1		mg/L	0.10	0.025	1	382114	09/17/25	09/17/25	TWJ
Manganese	0.034		mg/L	0.010	0.0029	1	382114	09/17/25	09/17/25	TWJ
Potassium	1.7		mg/L	0.50	0.40	1	382114	09/17/25	09/17/25	TWJ
Sodium	190		mg/L	0.60	0.35	1	382114	09/17/25	09/17/25	TWJ
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Chloromethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Vinyl Chloride	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Methylene Chloride	ND		ug/L	5.0	0.4	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Benzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Trichloroethene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Tetrachloroethene	0.5	J	ug/L	0.5	0.09	1	382134	09/17/25	09/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Surrogates										
			Limits							
Dibromofluoromethane	108%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane-d4	107%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Toluene-d8	97%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Bromofluorobenzene	94%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.87	1	382258	09/18/25	09/19/25	ZFA
Surrogates										
			Limits							
1,4-Dioxane-d8 (SUR)	98%		%REC	80-120		1	382258	09/18/25	09/19/25	ZFA

Analysis Results for 542143

542143-004 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	382198	09/17/25	09/17/25	LVL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	1.0		mg/L	1.0	0.49	1	382325	09/18/25	09/18/25	ARM
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO ₃	170		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Alkalinity, Total as CaCO ₃	170		mg/L	5.0		2.5	382144	09/17/25	09/17/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	800		mg/L	20		2	382092	09/16/25	09/17/25	AAB

Sample ID: QCFB

Lab ID: 542143-005

Collected: 09/15/25 12:36

Matrix: Water

542143-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Chloromethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Vinyl Chloride	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Methylene Chloride	0.8	J	ug/L	5.0	0.4	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Benzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Trichloroethene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Tetrachloroethene	ND		ug/L	0.5	0.09	1	382134	09/17/25	09/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Surrogates			Limits							
Dibromofluoromethane	110%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane-d4	108%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Toluene-d8	98%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Bromofluorobenzene	97%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST

Analysis Results for 542143

Sample ID: QCTB	Lab ID: 542143-006	Collected: 09/15/25
	Matrix: Water	

542143-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Chloromethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Vinyl Chloride	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
Methylene Chloride	0.8	J	ug/L	5.0	0.4	1	382134	09/17/25	09/17/25	ZST
1,1-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	0.2	1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Benzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Trichloroethene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Tetrachloroethene	ND		ug/L	0.5	0.09	1	382134	09/17/25	09/17/25	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	0.1	1	382134	09/17/25	09/17/25	ZST
Surrogates				Limits						
Dibromofluoromethane	113%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
1,2-Dichloroethane-d4	108%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Toluene-d8	95%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST
Bromofluorobenzene	95%		%REC	70-130		1	382134	09/17/25	09/17/25	ZST

H Holding time was exceeded
J Estimated value
ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1294103	Batch: 382054
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1294103 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.073	09/16/25 14:22	09/16/25 14:33
Chloride	ND		mg/L	1.0	0.27	09/16/25 14:22	09/16/25 14:33
Bromide	ND		mg/L	0.30	0.060	09/16/25 14:22	09/16/25 14:33
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	09/16/25 14:22	09/16/25 14:33
Sulfate	ND		mg/L	1.0	0.18	09/16/25 14:22	09/16/25 14:33

Type: Lab Control Sample	Lab ID: QC1294104	Batch: 382054
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1294104 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.601	10.00	mg/L	96%		90-110
Chloride	45.25	50.00	mg/L	91%		90-110
Bromide	13.77	15.00	mg/L	92%		90-110
Nitrogen, Nitrate	4.312	4.518	mg/L	95%		90-110
Sulfate	24.44	25.00	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC1294105	Batch: 382054
Matrix (Source ID): Water (542143-002)	Method: EPA 300.0	Prep Method: METHOD

QC1294105 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	24.63	0.4141	20.00	mg/L	121%		80-129	1
Chloride	207.2	92.96	100.0	mg/L	114%	E	80-123	1
Bromide	16.48	0.08752	15.00	mg/L	109%		80-121	1
Nitrogen, Nitrate	10.98	0.2946	9.036	mg/L	118%		80-123	1
Sulfate	88.11	28.87	50.00	mg/L	118%		79-124	1

Type: Matrix Spike Duplicate	Lab ID: QC1294106	Batch: 382054
Matrix (Source ID): Water (542143-002)	Method: EPA 300.0	Prep Method: METHOD

QC1294106 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	25.27	0.4141	20.00	mg/L	124%		80-129	3	21	1
Chloride	210.2	92.96	100.0	mg/L	117%	E	80-123		20	1
Bromide	16.90	0.08752	15.00	mg/L	112%		80-121	3	20	1
Nitrogen, Nitrate	11.23	0.2946	9.036	mg/L	121%		80-123	2	20	1
Sulfate	89.60	28.87	50.00	mg/L	121%		79-124	2	20	1

Batch QC

Type: Matrix Spike	Lab ID: QC1294109	Batch: 382054
Matrix (Source ID): Water (542088-001)	Method: EPA 300.0	Prep Method: METHOD

QC1294109 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.19	1.031	20.00	mg/L	96%		80-129	1
Chloride	296.5	222.3	100.0	mg/L	74%	E,*	80-123	1
Bromide	13.42	1.692	15.00	mg/L	78%	*	80-121	1
Nitrogen, Nitrate	14.78	7.074	9.036	mg/L	85%		80-123	1
Sulfate	880.4	891.2	50.00	mg/L	-21%	E,NM	79-124	1

Type: Matrix Spike Duplicate	Lab ID: QC1294110	Batch: 382054
Matrix (Source ID): Water (542088-001)	Method: EPA 300.0	Prep Method: METHOD

QC1294110 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.74	1.031	20.00	mg/L	99%		80-129	3	21	1
Chloride	298.5	222.3	100.0	mg/L	76%	E,*	80-123		20	1
Bromide	13.74	1.692	15.00	mg/L	80%		80-121	2	20	1
Nitrogen, Nitrate	14.99	7.074	9.036	mg/L	88%		80-123	1	20	1
Sulfate	880.8	891.2	50.00	mg/L	-21%	E,NM	79-124		20	1

Type: Blank	Lab ID: QC1294501	Batch: 382173
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1294501 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	09/17/25	09/18/25

Type: Lab Control Sample	Lab ID: QC1294502	Batch: 382173
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1294502 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9946	1.000	mg/L	99%		90-110

Type: Matrix Spike	Lab ID: QC1294503	Batch: 382173
Matrix (Source ID): Water (541591-001)	Method: EPA 350.1	Prep Method: METHOD

QC1294503 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	3.488	2.466	1.000	mg/L	102%		90-110	5

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1294504	Batch: 382173
Matrix (Source ID): Water (541591-001)	Method: EPA 350.1	Prep Method: METHOD

QC1294504 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	3.302	2.466	1.000	mg/L	84%	*	90-110	5	20	5

Type: Matrix Spike	Lab ID: QC1294505	Batch: 382173
Matrix (Source ID): Water (541598-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1294505 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9546	ND	1.000	mg/L	95%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1294506	Batch: 382173
Matrix (Source ID): Water (541598-001)	Method: EPA 350.1	Prep Method: SM 4500-NH3-G SD

QC1294506 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.079	ND	1.000	mg/L	108%		90-110	12	20	1

Type: Blank	Lab ID: QC1294233	Batch: 382093
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1294233 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	09/16/25	09/17/25

Type: Lab Control Sample	Lab ID: QC1294234	Batch: 382093
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1294234 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	105.0	100.0	mg/L	105%		90-110

Type: Matrix Spike	Lab ID: QC1294235	Batch: 382093
Matrix (Source ID): Water (541918-001)	Method: EPA 410.4	Prep Method: METHOD

QC1294235 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	104.0	3.000	100.0	mg/L	101%		75-125	2

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1294236	Batch: 382093
Matrix (Source ID): Water (541918-001)	Method: EPA 410.4	Prep Method: METHOD

QC1294236 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Chemical Oxygen Demand	100.0	3.000	100.0	mg/L	97%		75-125	4	20	2

Type: Matrix Spike	Lab ID: QC1294237	Batch: 382093
Matrix (Source ID): Water (542143-004)	Method: EPA 410.4	Prep Method: METHOD

QC1294237 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	100.0	ND	100.0	mg/L	100%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1294238	Batch: 382093
Matrix (Source ID): Water (542143-004)	Method: EPA 410.4	Prep Method: METHOD

QC1294238 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Chemical Oxygen Demand	96.00	ND	100.0	mg/L	96%		75-125	4	20	2

Type: Blank	Lab ID: QC1294239	Batch: 382094
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294239 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	09/16/25	09/17/25
Calcium	ND		mg/L	0.57	0.57	09/16/25	09/17/25
Iron	ND		mg/L	0.041	0.041	09/16/25	09/17/25
Magnesium	ND		mg/L	0.10	0.025	09/16/25	09/17/25
Manganese	ND		mg/L	0.010	0.0029	09/16/25	09/17/25
Potassium	ND		mg/L	0.50	0.42	09/16/25	09/17/25
Sodium	ND		mg/L	0.50	0.34	09/16/25	09/17/25

Type: Lab Control Sample	Lab ID: QC1294240	Batch: 382094
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294240 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3270	0.4000	mg/L	82%		80-120
Calcium	17.48	20.40	mg/L	86%		80-120
Iron	0.3508	0.4000	mg/L	88%		80-120
Magnesium	18.41	20.40	mg/L	90%		80-120
Manganese	0.3418	0.4000	mg/L	85%		80-120
Potassium	21.45	24.00	mg/L	89%		80-120
Sodium	17.75	20.40	mg/L	87%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1294241	Batch: 382094
Matrix (Source ID): Water (542122-011)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294241 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	3.625	3.353	0.4000	mg/L	68%	NM	75-125	1
Calcium	310.9	298.9	20.40	mg/L	59%	NM	75-125	1
Iron	0.3120	ND	0.4000	mg/L	78%		75-125	1
Magnesium	1,214	1203	20.40	mg/L	57%	NM	75-125	10
Manganese	0.3338	0.03214	0.4000	mg/L	75%		75-125	1
Potassium	443.4	425.4	24.00	mg/L	75%	NM	75-125	1
Sodium	8,940	9006	20.40	mg/L	-319%	NM	75-125	10

Type: Matrix Spike Duplicate	Lab ID: QC1294242	Batch: 382094
Matrix (Source ID): Water (542122-011)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294242 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	3.625	3.353	0.4000	mg/L	68%	NM	75-125	0	20	1
Calcium	309.8	298.9	20.40	mg/L	53%	NM	75-125	0	20	1
Iron	0.3072	ND	0.4000	mg/L	77%		75-125	2	22	1
Magnesium	1,207	1203	20.40	mg/L	21%	NM	75-125	1	20	10
Manganese	0.3291	0.03214	0.4000	mg/L	74%	*	75-125	1	20	1
Potassium	440.1	425.4	24.00	mg/L	61%	NM	75-125	1	20	1
Sodium	8,859	9006	20.40	mg/L	-721%	NM	75-125	1	20	10

Type: Serial Dilution	Lab ID: QC1294263	Batch: 382094
Matrix (Source ID): Water (542122-011)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294263 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	3.760	3.353	mg/L				5
Calcium	343.6	298.9	mg/L				5
Iron	ND	ND	mg/L				5
Magnesium	1,231	1203	mg/L				50
Manganese	0.03594	0.03214	mg/L	J			5
Potassium	396.7	425.4	mg/L				5
Sodium	9,761	9006	mg/L				50

Batch QC

Type: Blank	Lab ID: QC1294327	Batch: 382114
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294327 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0055	09/17/25	09/17/25
Calcium	ND		mg/L	0.57	0.57	09/17/25	09/17/25
Iron	0.055		mg/L	0.046	0.046	09/17/25	09/17/25
Magnesium	ND		mg/L	0.10	0.025	09/17/25	09/17/25
Manganese	ND		mg/L	0.010	0.0029	09/17/25	09/17/25
Potassium	ND		mg/L	0.50	0.40	09/17/25	09/17/25
Sodium	ND		mg/L	0.50	0.35	09/17/25	09/17/25

Type: Lab Control Sample	Lab ID: QC1294328	Batch: 382114
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294328 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3973	0.4000	mg/L	99%		80-120
Calcium	19.25	20.40	mg/L	94%		80-120
Iron	0.3977	0.4000	mg/L	99%		80-120
Magnesium	19.67	20.40	mg/L	96%		80-120
Manganese	0.3909	0.4000	mg/L	98%		80-120
Potassium	22.80	24.00	mg/L	95%		80-120
Sodium	19.20	20.40	mg/L	94%		80-120

Type: Matrix Spike	Lab ID: QC1294329	Batch: 382114
Matrix (Source ID): Water (542143-003)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294329 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.7505	0.3515	0.4000	mg/L	100%		75-125	1
Calcium	72.05	54.34	20.40	mg/L	87%		75-125	1
Iron	0.3920	ND	0.4000	mg/L	98%		75-125	1
Magnesium	29.70	10.55	20.40	mg/L	94%		75-125	1
Manganese	0.3810	ND	0.4000	mg/L	95%		75-125	1
Potassium	25.41	2.475	24.00	mg/L	96%		75-125	1
Sodium	200.8	186.2	20.40	mg/L	71%	NM	75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1294330	Batch: 382114
Matrix (Source ID): Water (542143-003)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294330 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.7453	0.3515	0.4000	mg/L	98%		75-125	1	20	1
Calcium	71.79	54.34	20.40	mg/L	86%		75-125	0	20	1
Iron	0.3887	ND	0.4000	mg/L	97%		75-125	1	22	1
Magnesium	29.68	10.55	20.40	mg/L	94%		75-125	0	20	1
Manganese	0.3792	ND	0.4000	mg/L	95%		75-125	0	20	1
Potassium	24.99	2.475	24.00	mg/L	94%		75-125	2	20	1
Sodium	199.7	186.2	20.40	mg/L	66%	NM	75-125	1	20	1

Type: Serial Dilution	Lab ID: QC1294439	Batch: 382114
Matrix (Source ID): Water (542306-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1294439 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Boron	89.57	90.04	mg/L				50
Calcium	6,533	6486	mg/L				50
Iron	801.2	778.9	mg/L				50
Magnesium	766.4	767.0	mg/L				50
Manganese	37.53	37.19	mg/L				50
Potassium	1,536	1652	mg/L				50
Sodium	4,987	4885	mg/L				50

Type: Blank	Lab ID: QC1295234	Batch: 382371
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1295234 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Iron	ND		mg/L	0.046	0.046	09/19/25	09/19/25

Type: Lab Control Sample	Lab ID: QC1295235	Batch: 382371
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1295235 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Iron	0.3403	0.4000	mg/L	85%		80-120

Type: Matrix Spike	Lab ID: QC1295236	Batch: 382371
Matrix (Source ID): Water (542143-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1295236 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Iron	0.6955	0.3150	0.4000	mg/L	95%		75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1295237	Batch: 382371
Matrix (Source ID): Water (542143-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1295237 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Iron	0.7023	0.3150	0.4000	mg/L	97%		75-125	1	22	1

Type: Serial Dilution	Lab ID: QC1295259	Batch: 382371
Matrix (Source ID): Water (542143-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1295259 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Iron	0.3350	0.3150	mg/L				5

Type: Lab Control Sample	Lab ID: QC1294404	Batch: 382134
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1294404 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	56.32	50.00	ug/L	113%		69-128
MTBE	52.61	50.00	ug/L	105%		66-125
Benzene	53.82	50.00	ug/L	108%		76-121
Trichloroethene	53.74	50.00	ug/L	107%		76-124
Toluene	52.00	50.00	ug/L	104%		76-120
Chlorobenzene	52.49	50.00	ug/L	105%		78-120
Surrogates						
Dibromofluoromethane	52.26	50.00	ug/L	105%		70-130
1,2-Dichloroethane-d4	49.70	50.00	ug/L	99%		70-130
Toluene-d8	49.75	50.00	ug/L	99%		70-130
Bromofluorobenzene	51.19	50.00	ug/L	102%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1294405	Batch: 382134
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1294405 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	50.13	50.00	ug/L	100%		69-128	12	23
MTBE	49.50	50.00	ug/L	99%		66-125	6	22
Benzene	51.20	50.00	ug/L	102%		76-121	5	21
Trichloroethene	53.13	50.00	ug/L	106%		76-124	1	22
Toluene	50.77	50.00	ug/L	102%		76-120	2	21
Chlorobenzene	51.66	50.00	ug/L	103%		78-120	2	20
Surrogates								
Dibromofluoromethane	51.13	50.00	ug/L	102%		70-130		
1,2-Dichloroethane-d4	48.63	50.00	ug/L	97%		70-130		
Toluene-d8	50.96	50.00	ug/L	102%		70-130		
Bromofluorobenzene	52.14	50.00	ug/L	104%		70-130		

Batch QC

Type: Blank	Lab ID: QC1294409	Batch: 382134
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1294409 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/L	0.5	0.2	09/17/25	09/17/25
Chloromethane	ND		ug/L	0.5	0.1	09/17/25	09/17/25
Vinyl Chloride	ND		ug/L	0.5	0.2	09/17/25	09/17/25
1,1-Dichloroethene	ND		ug/L	0.5	0.2	09/17/25	09/17/25
Methylene Chloride	ND		ug/L	5.0	0.4	09/17/25	09/17/25
1,1-Dichloroethane	ND		ug/L	0.5	0.1	09/17/25	09/17/25
cis-1,2-Dichloroethene	ND		ug/L	0.5	0.2	09/17/25	09/17/25
1,2-Dichloroethane	ND		ug/L	0.5	0.1	09/17/25	09/17/25
Benzene	ND		ug/L	0.5	0.1	09/17/25	09/17/25
Trichloroethene	ND		ug/L	0.5	0.1	09/17/25	09/17/25
Tetrachloroethene	ND		ug/L	0.5	0.09	09/17/25	09/17/25
1,4-Dichlorobenzene	ND		ug/L	0.5	0.1	09/17/25	09/17/25
Surrogates				Limits			
Dibromofluoromethane	106%		%REC	70-130		09/17/25	09/17/25
1,2-Dichloroethane-d4	107%		%REC	70-130		09/17/25	09/17/25
Toluene-d8	98%		%REC	70-130		09/17/25	09/17/25
Bromofluorobenzene	95%		%REC	70-130		09/17/25	09/17/25

Type: Matrix Spike	Lab ID: QC1294448	Batch: 382134
Matrix (Source ID): Water (542191-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1294448 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	19.60	ND	20.00	ug/L	98%		62-131	1
MTBE	18.85	ND	20.00	ug/L	94%		61-124	1
Benzene	20.20	ND	20.00	ug/L	101%		70-123	1
Trichloroethene	21.17	0.2378	20.00	ug/L	105%		65-131	1
Toluene	19.60	ND	20.00	ug/L	98%		69-120	1
Chlorobenzene	19.91	ND	20.00	ug/L	100%		72-121	1
Surrogates								
Dibromofluoromethane	49.81		50.00	ug/L	100%		70-130	1
1,2-Dichloroethane-d4	51.37		50.00	ug/L	103%		70-130	1
Toluene-d8	49.15		50.00	ug/L	98%		70-130	1
Bromofluorobenzene	48.71		50.00	ug/L	97%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1294449	Batch: 382134
Matrix (Source ID): Water (542191-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1294449 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	21.27	ND	20.00	ug/L	106%		62-131	8	31	1
MTBE	20.20	ND	20.00	ug/L	101%		61-124	7	30	1
Benzene	21.42	ND	20.00	ug/L	107%		70-123	6	31	1
Trichloroethene	22.54	0.2378	20.00	ug/L	112%		65-131	6	31	1
Toluene	21.25	ND	20.00	ug/L	106%		69-120	8	29	1
Chlorobenzene	21.62	ND	20.00	ug/L	108%		72-121	8	29	1
Surrogates										
Dibromofluoromethane	51.27		50.00	ug/L	103%		70-130			1
1,2-Dichloroethane-d4	50.26		50.00	ug/L	101%		70-130			1
Toluene-d8	50.82		50.00	ug/L	102%		70-130			1
Bromofluorobenzene	49.11		50.00	ug/L	98%		70-130			1

Type: Blank	Lab ID: QC1294815	Batch: 382258
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1294815 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.87	09/18/25	09/18/25
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		09/18/25	09/18/25

Type: Lab Control Sample	Lab ID: QC1294816	Batch: 382258
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1294816 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.638	10.00	ug/L	96%		79-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.919	10.00	ug/L	99%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1294817	Batch: 382258
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1294817 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.663	10.00	ug/L	97%		79-120	0	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.985	10.00	ug/L	100%		80-120		

Type: Blank	Lab ID: QC1294572	Batch: 382198
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1294572 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		09/17/25	09/17/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1294573	Batch: 382198
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1294573 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	0.9000	1.000	mg/L	90%		90-110

Type: Matrix Spike	Lab ID: QC1294574	Batch: 382198
Matrix (Source ID): Water (542143-004)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1294574 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1294575	Batch: 382198
Matrix (Source ID): Water (542143-004)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1294575 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Sulfide	0.8000	ND	1.000	mg/L	80%		80-120	0	20	1

Type: Blank	Lab ID: QC1295038	Batch: 382325
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1295038 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.49	09/18/25	09/18/25

Type: Lab Control Sample	Lab ID: QC1295039	Batch: 382325
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1295039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	22.62	25.00	mg/L	90%		85-115

Type: Matrix Spike	Lab ID: QC1295040	Batch: 382325
Matrix (Source ID): Water (542431-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1295040 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	42,940	30020	12500	mg/L	103%		75-125	500

Type: Matrix Spike Duplicate	Lab ID: QC1295041	Batch: 382325
Matrix (Source ID): Water (542431-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1295041 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Total Organic Carbon	43,260	30020	12500	mg/L	106%		75-125	1	25	500

Batch QC

Type: Blank	Lab ID: QC1294437	Batch: 382144
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1294437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO ₃	ND		mg/L	2.0		09/17/25	09/17/25
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		09/17/25	09/17/25

Type: Lab Control Sample	Lab ID: QC1294438	Batch: 382144
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1294438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	963.7	1000	mg/L	96%		90-110

Type: Sample Duplicate	Lab ID: QC1295450	Batch: 382144
Matrix (Source ID): Water (542213-004)	Method: SM2320B	Prep Method: METHOD

QC1295450 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO ₃	191.6	188.9	mg/L		1	20	5
Alkalinity, Total as CaCO ₃	191.6	188.9	mg/L		1	20	5

Type: Blank	Lab ID: QC1294250	Batch: 382092
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1294250 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		09/16/25	09/17/25

Type: Lab Control Sample	Lab ID: QC1294251	Batch: 382092
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1294251 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,033	1000	mg/L	103%		90-110

Type: Sample Duplicate	Lab ID: QC1294252	Batch: 382092
Matrix (Source ID): Water (542117-001)	Method: SM2540C	Prep Method: METHOD

QC1294252 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	9,720	9360	mg/L		4	5	10

Type: Sample Duplicate	Lab ID: QC1294253	Batch: 382092
Matrix (Source ID): Water (542193-002)	Method: SM2540C	Prep Method: METHOD

QC1294253 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	201.0	202.0	mg/L		0	5	1

Batch QC

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

Laboratory Job Number 542143

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2509B84

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 079649

Project: EO-542143

Project Location:

Project Received: 09/16/2025

Analytical Report reviewed & approved for release on 09/22/2025 by:

Jena Alfaro

Project Manager

McC Campbell Analytical Inc. is not accredited for all the testing in this report. 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.





Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical**WorkOrder:** 2509B84**Project:** EO-542143

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: 2509B84

Project: EO-542143

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: 09/16/2025 9:30
Date Prepared: 09/19/2025
Project: EO-542143

WorkOrder: 2509B84
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
DW-17	2509B84-001A	Water	09/15/2025 08:27	GC26 0919251104.D	326216

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	350	50	50	1	09/19/2025 13:36

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-14	2509B84-002A	Water	09/15/2025 09:47	GC26 0919251105.D	326216

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	460	50	50	1	09/19/2025 13:51

Analyst(s): CLO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
PZ-4	2509B84-003A	Water	09/15/2025 11:08	GC26 0919251106.D	326216

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	14,000	500	500	10	09/19/2025 14:52

Analyst(s): CLO

(Cont.)



Analytical Report

Client: Enthalpy Analytical
Date Received: 09/16/2025 9:30
Date Prepared: 09/19/2025
Project: EO-542143

WorkOrder: 2509B84
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
DW-30	2509B84-004A	Water	09/15/2025 12:34	GC26 0919251107.D	326216

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	3000	120	120	2.5	09/19/2025 16:25

Analyst(s): CLO



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 09/19/2025
Date Analyzed: 09/19/2025
Instrument: GC26
Matrix: Water
Project: EO-542143

WorkOrder: 2509B84
BatchID: 326216
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-326216

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	170	150	187.2	90	80	70-130	11.3	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: 2509B84

ClientCode: ENO

QuoteID: 252619

☐ EQUIS ☐ 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-542143

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: 09/16/2025

Date Logged: 09/17/2025

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2509B84-001	DW-17	Water	9/15/2025 08:27	☐	A	A										
2509B84-002	DW-14	Water	9/15/2025 09:47	☐	A	A										
2509B84-003	PZ-4	Water	9/15/2025 11:08	☐	A	A										
2509B84-004	DW-30	Water	9/15/2025 12:34	☐	A	A										

Test Legend:

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

Prepared by: Agustina Venegas

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.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL

Project: EO-542143

Work Order: 2509B84

Client Contact: Zach Barker

QC Level: LEVEL 2

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

Comments:

Date Logged: 9/17/2025

☐ 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	DW-17	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/15/2025 8:27	5 days	9/23/2025	None	☐	☐
002A	DW-14	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/15/2025 9:47	5 days	9/23/2025	None	☐	☐
003A	PZ-4	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/15/2025 11:08	5 days	9/23/2025	None	☐	☐
004A	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/15/2025 12:34	5 days	9/23/2025	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.

2507B84



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

Subcontract Laboratory:

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

Enthalpy Order: EO-542143

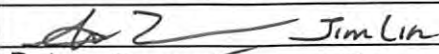
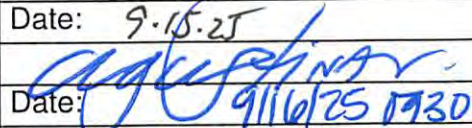
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel
EDD

Notes:

--

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
✓ DW-17	15-SEP-2025 08:27	542143-001	3	Water	RSK-175 CO2	
✓ DW-14	15-SEP-2025 09:47	542143-002	3	Water	RSK-175 CO2	
✓ PZ-4	15-SEP-2025 11:08	542143-003	3	Water	RSK-175 CO2	
+ DW-30	15-SEP-2025 12:34	542143-004	3	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	 Jim Lin	FED EX
	Date: 9-15-25 1500	Date: 9-15-25
	FED EX	
	Date: 9-16-25	Date: 9/16/25 1730
	Date:	Date:

1.60 in
SP41

FED EX: 884390633113



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-542143

Date and Time Received: 9/16/2025 09:30
Date Logged: 9/17/2025
Received by: Agustina Venegas
Logged by: Agustina Venegas

WorkOrder No: 2509B84 Matrix: Water
Carrier: FedEx

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 ☐
COC quote NOT expired?	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: 1.6°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: