



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

enthalpy.com

Lab Job Number : 519093
Report Level : II
Report Date : 11/12/2024

Analytical Report *prepared for:*

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

Project: GW MONITORING - 661-257-3655

Authorized for release by:

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

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

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



Sample Summary

Steve Cassulo	Lab Job #:	519093
Waste Connections	Project No:	GW MONITORING
Chiquita Canyon Landfill	Location:	661-257-3655
29201 Henry Mayo	Date Received:	10/28/24
Drive		
Castaic, CA 91384		

Sample ID	Lab ID	Collected	Matrix
DW-30	519093-001	10/28/24 09:53	Water
DW-29	519093-002	10/28/24 10:59	Water
DW-1	519093-003	10/28/24 11:56	Water
DW-31	519093-004	10/28/24 12:55	Water
QCFB	519093-005	10/28/24 12:58	Water
QCTB	519093-006	10/28/24 00:00	Water

Case Narrative

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

Lab Job Number: 519093
Project No: GW MONITORING
Location: 661-257-3655
Date Received: 10/28/24

This data package contains sample and QC results for six water samples, requested for the above referenced project on 10/29/24. The samples were received cold and intact.

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

No analytical problems were encountered.

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

- High recovery was observed for N-nitroso-di-n-propylamine in the BS for batch 354041; the associated RPD was within limits, and the high recovery was not associated with any reported results.
- 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 and EPA 7470A):

No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride, nitrogen, nitrate, and sulfate in the MS/MSD for batch 354121; affected data was qualified with "E".
- 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):

No analytical problems were encountered.

RSK-175-SUB (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: **519093**

Page: **1** of **2**

Turn Around Time (rush by advanced notice only)

Standard: **X** 5 Day: **3** Day:
2 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																
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																
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.														
1 DW-30	10/28/24	953	W	14	var.	VOCs (EPA 8260B)	1,4-Dioxane	Alkalinity, total	Bicarbonate as CaCO3	Ammonia-N, Nitrate-N	COD, Cl, SO4, TDS, TOC	B, Ca, Fe, K, Mg, Mn, Na	Bromide, Fluoride, Sulfide	Carbon dioxide	Quarterly MPars cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF				
2 DW-29		1059				X	X	X	X	X	X	X	X	X					
3 DW-1		1156				X	X	X	X	X	X	X	X	X					
4 DW-31		1255				X	X	X	X	X	X	X	X	X					
5 QCFB		1258				X	X	X	X	X	X	X	X	X					
6 QCTB						X	X	X	X	X	X	X	X	X					
7																			
8																			
9																			
10																			

Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:			Paul Chang	CAI		10/28/24	1418
1 Received By:			Jim Lin	SA-NH		10.28.24	1418
2 Relinquished By:			Jim Lin	SA-NH		10.29.24	0830
2 Received By:			Sargis Pivch	EA		10/29/24	0830
3 Relinquished By:			Sargis Pivch	EA		10/29/24	1410
3 Received By:			Amelgan Small	EA		10/29/24	1410

ENTHALPY ANALYTICAL 931 W Barkely Ave, Orange, CA 92868 (714) 771-6900 Enthalpy Analytical				Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
				Lab No: 519093		Standard: ☒ 5 Day: ☐ 3 Day: ☐		Custom TAT: ☐	
Page: 2 of 2		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Sample Receipt Temp: ☐			
						(lab use only)			

CUSTOMER INFORMATION				PROJECT INFORMATION				ANALYSIS REQUEST				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	Address:													
	Castaic, CA, 91384														
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-30	10/28/24	953	W	14	var.
2 DW-29		1059			
3 DW-1		1156			
4 DW-31		1255			
5 QCFB		1258		3	
6 QCTB				2	
7					
8					
9					
10					

Signature	Print Name	Company / Title	Date / Time
	Paul Chang	CS	10/28/24 1418
	Jim Lin	SA-NH	10/28/24 1418
	Sergio Pirech	SA-NH	10-29-24 0830
	Sergio Pirech	EA	10/29/24 0830
	Sergio Pirech	EA	10/29/24 1418
	Amerson Suello	EA	10/29/24 1410

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 10-28-24 WO# _____ Client: Chiquita Canyon L.F.

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: Client drop off LA Center

Section 3a: Condition / Packaging

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

Date Opened 10-28-24 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: -0.2

Cooler Temp (°C) #1: 8.2/8.0 #2: 7.3/7.1 #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

☐ PM notified

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

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

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 10/29/24 WO# 519093 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

ES 10/28/24

Shipping Info: _____

Section 3a: Condition / Packaging

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

Date Opened 10/29/24 By (initials) Sargs

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: IRII CF: +0.1

Cooler Temp (°C) #1: 4.1 / 4.2 #2: 4.3 / 4.4 #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

☐ PM notified

Date Logged 10/28/24 By (print) AS

(sign) [Signature]

Date Labeled 10/29/24 By (print) E. Orange

(sign) [Signature]

Analysis Results for 519093

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

Lab Job #: 519093
Project No: GW MONITORING
Location: 661-257-3655
Date Received: 10/28/24

Sample ID: DW-30

Lab ID: 519093-001

Collected: 10/28/24 09:53

Matrix: Water

519093-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.81		mg/L	0.20	0.081	1	354121	10/29/24 18:25	10/29/24 21:28	AJL
Chloride	60		mg/L	1.0	0.20	1	354121	10/29/24 18:25	10/29/24 21:28	AJL
Bromide	0.14	J	mg/L	0.30	0.077	1	354121	10/29/24 18:25	10/29/24 21:28	AJL
Nitrogen, Nitrate	0.39		mg/L	0.10	0.03	1	354121	10/29/24 18:25	10/29/24 21:28	AJL
Sulfate	290		mg/L	10	2.0	10	354121	10/29/24 18:25	10/29/24 22:19	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	354993	11/08/24	11/11/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	6.0		mg/L	4.0	1.6	1	354295	10/31/24	10/31/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Aluminum	ND		mg/L	0.050	0.021	1	354141	10/30/24	10/30/24	CAP
Antimony	ND		mg/L	0.030	0.013	1	354141	10/30/24	10/30/24	CAP
Arsenic	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Barium	0.022		mg/L	0.010	0.0023	1	354141	10/30/24	10/30/24	CAP
Beryllium	ND		mg/L	0.0050	0.00017	1	354141	10/30/24	10/30/24	CAP
Boron	0.20		mg/L	0.050	0.0062	1	354141	10/30/24	10/30/24	CAP
Cadmium	ND		mg/L	0.0050	0.00037	1	354141	10/30/24	10/30/24	CAP
Calcium	38		mg/L	0.40	0.40	1	354141	10/30/24	10/30/24	CAP
Chromium	ND		mg/L	0.010	0.0030	1	354141	10/30/24	10/30/24	CAP
Cobalt	ND		mg/L	0.0050	0.0023	1	354141	10/30/24	10/30/24	CAP
Copper	ND		mg/L	0.010	0.0060	1	354141	10/30/24	10/30/24	CAP
Iron	0.16		mg/L	0.056	0.056	1	354141	10/30/24	10/30/24	CAP
Lead	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Magnesium	5.9		mg/L	0.10	0.025	1	354141	10/30/24	10/30/24	CAP
Manganese	0.082		mg/L	0.010	0.0029	1	354141	10/30/24	10/30/24	CAP
Nickel	ND		mg/L	0.010	0.0028	1	354141	10/30/24	10/30/24	CAP
Potassium	2.2		mg/L	0.50	0.43	1	354141	10/30/24	10/30/24	CAP
Selenium	ND		mg/L	0.030	0.0082	1	354141	10/30/24	10/30/24	CAP
Silver	ND		mg/L	0.0050	0.0013	1	354141	10/30/24	10/30/24	CAP
Sodium	180		mg/L	0.50	0.37	1	354141	10/30/24	10/30/24	CAP
Thallium	ND		mg/L	0.030	0.011	1	354141	10/30/24	10/30/24	CAP
Vanadium	ND		mg/L	0.010	0.0012	1	354141	10/30/24	10/30/24	CAP
Zinc	ND		mg/L	0.050	0.013	1	354141	10/30/24	10/30/24	CAP

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

Analysis Results for 519093

519093-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.18	1	354154	10/30/24	10/30/24	MLL
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Acetone	ND		ug/L	100	11	1	354959	11/08/24	11/08/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	354959	11/08/24	11/08/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	354959	11/08/24	11/08/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Benzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	354959	11/08/24	11/08/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ

Analysis Results for 519093

519093-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	354959	11/08/24	11/08/24	LYZ
Surrogates			Limits							
Dibromofluoromethane	111%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane-d4	108%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Toluene-d8	99%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Bromofluorobenzene	99%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	354110	10/30/24	10/30/24	TJW
Surrogates			Limits							
1,4-Dioxane-d8 (SUR)	105%		%REC	80-120		1	354110	10/30/24	10/30/24	TJW
Method: EPA 8270C Prep Method: EPA 3510C										
Phenol	ND		ug/L	9.5	1.7	0.95	354041	10/30/24	10/30/24	TJW
Aniline	ND		ug/L	9.5	6.0	0.95	354041	10/30/24	10/30/24	TJW
Benzyl alcohol	ND		ug/L	9.5	3.9	0.95	354041	10/30/24	10/30/24	TJW
2-Methylphenol	ND		ug/L	9.5	3.6	0.95	354041	10/30/24	10/30/24	TJW
3-,4-Methylphenol	ND		ug/L	9.5	3.6	0.95	354041	10/30/24	10/30/24	TJW
Surrogates			Limits							
2-Fluorophenol	40%		%REC	10-140		0.95	354041	10/30/24	10/30/24	TJW
Phenol-d6	29%		%REC	10-140		0.95	354041	10/30/24	10/30/24	TJW
2,4,6-Tribromophenol	57%		%REC	12-140		0.95	354041	10/30/24	10/30/24	TJW
Nitrobenzene-d5	73%		%REC	10-140		0.95	354041	10/30/24	10/30/24	TJW
2-Fluorobiphenyl	64%		%REC	11-140		0.95	354041	10/30/24	10/30/24	TJW
Terphenyl-d14	65%		%REC	20-140		0.95	354041	10/30/24	10/30/24	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	354435	11/01/24	11/01/24	EPL

Analysis Results for 519093

519093-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	2.2		mg/L	1.0	0.24	1	354177	10/30/24	10/30/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	180		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC
Alkalinity, Total as CaCO3	180		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	690		mg/L	20		2	354220	10/30/24	11/02/24	DXA

Analysis Results for 519093

Sample ID: DW-29
Lab ID: 519093-002
Collected: 10/28/24 10:59
Matrix: Water

519093-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.45		mg/L	0.20	0.081	1	354121	10/29/24 18:25	10/29/24 22:36	AJL
Chloride	89		mg/L	1.0	0.20	1	354121	10/29/24 18:25	10/29/24 22:36	AJL
Bromide	0.26	J	mg/L	0.30	0.077	1	354121	10/29/24 18:25	10/29/24 22:36	AJL
Nitrogen, Nitrate	2.8		mg/L	0.10	0.03	1	354121	10/29/24 18:25	10/29/24 22:36	AJL
Sulfate	330		mg/L	10	2.0	10	354121	10/29/24 18:25	10/29/24 22:53	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	354993	11/08/24	11/11/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	354295	10/31/24	10/31/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Aluminum	0.033	J	mg/L	0.050	0.021	1	354141	10/30/24	10/30/24	CAP
Antimony	ND		mg/L	0.030	0.013	1	354141	10/30/24	10/30/24	CAP
Arsenic	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Barium	0.035		mg/L	0.010	0.0023	1	354141	10/30/24	10/30/24	CAP
Beryllium	ND		mg/L	0.0050	0.00017	1	354141	10/30/24	10/30/24	CAP
Boron	0.32		mg/L	0.050	0.0062	1	354141	10/30/24	10/30/24	CAP
Cadmium	ND		mg/L	0.0050	0.00037	1	354141	10/30/24	10/30/24	CAP
Calcium	57		mg/L	0.40	0.40	1	354141	10/30/24	10/30/24	CAP
Chromium	ND		mg/L	0.010	0.0030	1	354141	10/30/24	10/30/24	CAP
Cobalt	ND		mg/L	0.0050	0.0023	1	354141	10/30/24	10/30/24	CAP
Copper	ND		mg/L	0.010	0.0060	1	354141	10/30/24	10/30/24	CAP
Iron	ND		mg/L	0.056	0.056	1	354141	10/30/24	10/30/24	CAP
Lead	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Magnesium	7.8		mg/L	0.10	0.025	1	354141	10/30/24	10/30/24	CAP
Manganese	0.21		mg/L	0.010	0.0029	1	354141	10/30/24	10/30/24	CAP
Nickel	ND		mg/L	0.010	0.0028	1	354141	10/30/24	10/30/24	CAP
Potassium	1.9		mg/L	0.50	0.43	1	354141	10/30/24	10/30/24	CAP
Selenium	ND		mg/L	0.030	0.0082	1	354141	10/30/24	10/30/24	CAP
Silver	ND		mg/L	0.0050	0.0013	1	354141	10/30/24	10/30/24	CAP
Sodium	220		mg/L	0.50	0.37	1	354141	10/30/24	10/30/24	CAP
Thallium	ND		mg/L	0.030	0.011	1	354141	10/30/24	10/30/24	CAP
Vanadium	0.043		mg/L	0.010	0.0012	1	354141	10/30/24	10/30/24	CAP
Zinc	ND		mg/L	0.050	0.013	1	354141	10/30/24	10/30/24	CAP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.18	1	354201	10/30/24	10/31/24	MLL
Method: EPA 8260B Prep Method: EPA 5030B										

Analysis Results for 519093

519093-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Acetone	ND		ug/L	100	11	1	354959	11/08/24	11/08/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	354959	11/08/24	11/08/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	354959	11/08/24	11/08/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Benzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	354959	11/08/24	11/08/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ

Analysis Results for 519093

519093-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	354959	11/08/24	11/08/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	113%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane-d4	110%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Toluene-d8	99%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	ND		ug/L	1.0	0.95	1	354110	10/30/24	10/30/24	TJW
Surrogates	Limits									
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	354110	10/30/24	10/30/24	TJW
Method: EPA 8270C Prep Method: EPA 3510C										
Phenol	ND		ug/L	9.4	1.6	0.94	354041	10/30/24	10/30/24	TJW
Aniline	ND		ug/L	9.4	5.9	0.94	354041	10/30/24	10/30/24	TJW
Benzyl alcohol	ND		ug/L	9.4	3.8	0.94	354041	10/30/24	10/30/24	TJW
2-Methylphenol	ND		ug/L	9.4	3.5	0.94	354041	10/30/24	10/30/24	TJW
3-,4-Methylphenol	ND		ug/L	9.4	3.6	0.94	354041	10/30/24	10/30/24	TJW
Surrogates	Limits									
2-Fluorophenol	28%		%REC	10-140		0.94	354041	10/30/24	10/30/24	TJW
Phenol-d6	21%		%REC	10-140		0.94	354041	10/30/24	10/30/24	TJW
2,4,6-Tribromophenol	55%		%REC	12-140		0.94	354041	10/30/24	10/30/24	TJW
Nitrobenzene-d5	54%		%REC	10-140		0.94	354041	10/30/24	10/30/24	TJW
2-Fluorobiphenyl	49%		%REC	11-140		0.94	354041	10/30/24	10/30/24	TJW
Terphenyl-d14	81%		%REC	20-140		0.94	354041	10/30/24	10/30/24	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	354435	11/01/24	11/01/24	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	6.6		mg/L	1.0	0.24	1	354177	10/30/24	10/30/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	250		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC
Alkalinity, Total as CaCO3	250		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC

Analysis Results for 519093

519093-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C										
Prep Method: METHOD										
Total Dissolved Solids	880		mg/L	20		2	354220	10/30/24	11/02/24	DXA

Analysis Results for 519093

Sample ID: DW-1
Lab ID: 519093-003
Collected: 10/28/24 11:56
Matrix: Water

519093-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.81		mg/L	0.20	0.081	1	354121	10/29/24 18:25	10/29/24 23:10	AJL
Chloride	110		mg/L	1.0	0.20	1	354121	10/29/24 18:25	10/29/24 23:10	AJL
Bromide	0.25	J	mg/L	0.30	0.077	1	354121	10/29/24 18:25	10/29/24 23:10	AJL
Nitrogen, Nitrate	0.04	J	mg/L	0.10	0.03	1	354121	10/29/24 18:25	10/29/24 23:10	AJL
Sulfate	350		mg/L	10	2.0	10	354121	10/29/24 18:25	10/29/24 23:26	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	354993	11/08/24	11/11/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	46		mg/L	4.0	1.6	1	354295	10/31/24	10/31/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Aluminum	0.026	J	mg/L	0.050	0.021	1	354141	10/30/24	10/30/24	CAP
Antimony	ND		mg/L	0.030	0.013	1	354141	10/30/24	10/30/24	CAP
Arsenic	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Barium	0.050		mg/L	0.010	0.0023	1	354141	10/30/24	10/30/24	CAP
Beryllium	ND		mg/L	0.0050	0.00017	1	354141	10/30/24	10/30/24	CAP
Boron	0.22		mg/L	0.050	0.0062	1	354141	10/30/24	10/30/24	CAP
Cadmium	ND		mg/L	0.0050	0.00037	1	354141	10/30/24	10/30/24	CAP
Calcium	52		mg/L	0.40	0.40	1	354141	10/30/24	10/30/24	CAP
Chromium	ND		mg/L	0.010	0.0030	1	354141	10/30/24	10/30/24	CAP
Cobalt	ND		mg/L	0.0050	0.0023	1	354141	10/30/24	10/30/24	CAP
Copper	ND		mg/L	0.010	0.0060	1	354141	10/30/24	10/30/24	CAP
Iron	ND		mg/L	0.056	0.056	1	354141	10/30/24	10/30/24	CAP
Lead	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Magnesium	9.5		mg/L	0.10	0.025	1	354141	10/30/24	10/30/24	CAP
Manganese	0.045		mg/L	0.010	0.0029	1	354141	10/30/24	10/30/24	CAP
Nickel	ND		mg/L	0.010	0.0028	1	354141	10/30/24	10/30/24	CAP
Potassium	3.1		mg/L	0.50	0.43	1	354141	10/30/24	10/30/24	CAP
Selenium	ND		mg/L	0.030	0.0082	1	354141	10/30/24	10/30/24	CAP
Silver	ND		mg/L	0.0050	0.0013	1	354141	10/30/24	10/30/24	CAP
Sodium	210		mg/L	0.50	0.37	1	354141	10/30/24	10/30/24	CAP
Thallium	ND		mg/L	0.030	0.011	1	354141	10/30/24	10/30/24	CAP
Vanadium	ND		mg/L	0.010	0.0012	1	354141	10/30/24	10/30/24	CAP
Zinc	0.035	J	mg/L	0.050	0.013	1	354141	10/30/24	10/30/24	CAP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.18	1	354201	10/30/24	10/31/24	MLL
Method: EPA 8260B Prep Method: EPA 5030B										

Analysis Results for 519093

519093-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Acetone	ND		ug/L	100	11	1	354959	11/08/24	11/08/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	354959	11/08/24	11/08/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethane	0.1	J	ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	354959	11/08/24	11/08/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Benzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Tetrachloroethene	0.2	J	ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	354959	11/08/24	11/08/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ

Analysis Results for 519093

519093-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	354959	11/08/24	11/08/24	LYZ

Surrogates	Limits									
Dibromofluoromethane	113%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane-d4	111%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ
Toluene-d8	97%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ
Bromofluorobenzene	98%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

1,4-Dioxane	ND		ug/L	1.0	0.95	1	354110	10/30/24	10/30/24	TJW
Surrogates	Limits									
1,4-Dioxane-d8 (SUR)	101%	%REC	80-120			1	354110	10/30/24	10/30/24	TJW

Method: EPA 8270C

Prep Method: EPA 3510C

Phenol	ND		ug/L	9.6	1.7	0.96	354041	10/30/24	10/30/24	TJW
Aniline	ND		ug/L	9.6	6.0	0.96	354041	10/30/24	10/30/24	TJW
Benzyl alcohol	ND		ug/L	9.6	3.9	0.96	354041	10/30/24	10/30/24	TJW
2-Methylphenol	ND		ug/L	9.6	3.6	0.96	354041	10/30/24	10/30/24	TJW
3-,4-Methylphenol	ND		ug/L	9.6	3.6	0.96	354041	10/30/24	10/30/24	TJW

Surrogates	Limits									
2-Fluorophenol	43%	%REC	10-140			0.96	354041	10/30/24	10/30/24	TJW
Phenol-d6	29%	%REC	10-140			0.96	354041	10/30/24	10/30/24	TJW
2,4,6-Tribromophenol	58%	%REC	12-140			0.96	354041	10/30/24	10/30/24	TJW
Nitrobenzene-d5	75%	%REC	10-140			0.96	354041	10/30/24	10/30/24	TJW
2-Fluorobiphenyl	68%	%REC	11-140			0.96	354041	10/30/24	10/30/24	TJW
Terphenyl-d14	65%	%REC	20-140			0.96	354041	10/30/24	10/30/24	TJW

Method: SM 4500-S2-D

Prep Method: METHOD

Sulfide	ND		mg/L	0.10		1	354435	11/01/24	11/01/24	EPL
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Method: SM 5310B

Prep Method: SM 5310B

Total Organic Carbon	1.7		mg/L	1.0	0.24	1	354177	10/30/24	10/31/24	EPL
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Method: SM2320B

Prep Method: METHOD

Alkalinity, Bicarbonate, as CaCO3	180		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC
Alkalinity, Total as CaCO3	180		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC

Analysis Results for 519093

519093-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C										
Prep Method: METHOD										
Total Dissolved Solids	860		mg/L	20		2	354220	10/30/24	11/02/24	DXA

Analysis Results for 519093

Sample ID: DW-31
Lab ID: 519093-004
Collected: 10/28/24 12:55
Matrix: Water

519093-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.20		mg/L	0.20	0.081	1	354121	10/29/24 18:25	10/29/24 23:43	AJL
Chloride	150		mg/L	1.0	0.20	1	354121	10/29/24 18:25	10/29/24 23:43	AJL
Bromide	0.66		mg/L	0.30	0.077	1	354121	10/29/24 18:25	10/29/24 23:43	AJL
Nitrogen, Nitrate	0.12		mg/L	0.10	0.03	1	354121	10/29/24 18:25	10/29/24 23:43	AJL
Sulfate	540		mg/L	10	2.0	10	354121	10/29/24 18:25	10/30/24 00:00	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	354993	11/08/24	11/11/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	5.0		mg/L	4.0	1.6	1	354295	10/31/24	10/31/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Aluminum	ND		mg/L	0.050	0.021	1	354141	10/30/24	10/30/24	CAP
Antimony	ND		mg/L	0.030	0.013	1	354141	10/30/24	10/30/24	CAP
Arsenic	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Barium	0.046		mg/L	0.010	0.0023	1	354141	10/30/24	10/30/24	CAP
Beryllium	ND		mg/L	0.0050	0.00017	1	354141	10/30/24	10/30/24	CAP
Boron	0.70		mg/L	0.050	0.0062	1	354141	10/30/24	10/30/24	CAP
Cadmium	ND		mg/L	0.0050	0.00037	1	354141	10/30/24	10/30/24	CAP
Calcium	250		mg/L	0.40	0.40	1	354141	10/30/24	10/30/24	CAP
Chromium	ND		mg/L	0.010	0.0030	1	354141	10/30/24	10/30/24	CAP
Cobalt	0.0031	J	mg/L	0.0050	0.0023	1	354141	10/30/24	10/30/24	CAP
Copper	ND		mg/L	0.010	0.0060	1	354141	10/30/24	10/30/24	CAP
Iron	0.33		mg/L	0.056	0.056	1	354141	10/30/24	10/30/24	CAP
Lead	ND		mg/L	0.010	0.0062	1	354141	10/30/24	10/30/24	CAP
Magnesium	46		mg/L	0.10	0.025	1	354141	10/30/24	10/30/24	CAP
Manganese	0.87		mg/L	0.010	0.0029	1	354141	10/30/24	10/30/24	CAP
Nickel	0.0091	J	mg/L	0.010	0.0028	1	354141	10/30/24	10/30/24	CAP
Potassium	2.4		mg/L	0.50	0.43	1	354141	10/30/24	10/30/24	CAP
Selenium	ND		mg/L	0.030	0.0082	1	354141	10/30/24	10/30/24	CAP
Silver	ND		mg/L	0.0050	0.0013	1	354141	10/30/24	10/30/24	CAP
Sodium	150		mg/L	0.50	0.37	1	354141	10/30/24	10/30/24	CAP
Thallium	ND		mg/L	0.030	0.011	1	354141	10/30/24	10/30/24	CAP
Vanadium	ND		mg/L	0.010	0.0012	1	354141	10/30/24	10/30/24	CAP
Zinc	ND		mg/L	0.050	0.013	1	354141	10/30/24	10/30/24	CAP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.18	1	354201	10/30/24	10/31/24	MLL
Method: EPA 8260B Prep Method: EPA 5030B										

Analysis Results for 519093

519093-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Acetone	ND		ug/L	100	11	1	354959	11/08/24	11/08/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	354959	11/08/24	11/08/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	354959	11/08/24	11/08/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Benzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	354959	11/08/24	11/08/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ

Analysis Results for 519093

519093-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	354959	11/08/24	11/08/24	LYZ

Surrogates	Limits									
Dibromofluoromethane	112%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane-d4	111%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ
Toluene-d8	99%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ
Bromofluorobenzene	96%	%REC	70-130			1	354959	11/08/24	11/08/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

1,4-Dioxane	4.9		ug/L	1.0	0.95	1	354110	10/30/24	10/30/24	TJW
Surrogates	Limits									
1,4-Dioxane-d8 (SUR)	102%	%REC	80-120			1	354110	10/30/24	10/30/24	TJW

Method: EPA 8270C

Prep Method: EPA 3510C

Phenol	ND		ug/L	9.7	1.7	0.97	354041	10/30/24	10/30/24	TJW
Aniline	ND		ug/L	9.7	6.1	0.97	354041	10/30/24	10/30/24	TJW
Benzyl alcohol	ND		ug/L	9.7	4.0	0.97	354041	10/30/24	10/30/24	TJW
2-Methylphenol	ND		ug/L	9.7	3.6	0.97	354041	10/30/24	10/30/24	TJW
3,4-Methylphenol	ND		ug/L	9.7	3.7	0.97	354041	10/30/24	10/30/24	TJW

Surrogates	Limits									
2-Fluorophenol	51%	%REC	10-140			0.97	354041	10/30/24	10/30/24	TJW
Phenol-d6	39%	%REC	10-140			0.97	354041	10/30/24	10/30/24	TJW
2,4,6-Tribromophenol	89%	%REC	12-140			0.97	354041	10/30/24	10/30/24	TJW
Nitrobenzene-d5	85%	%REC	10-140			0.97	354041	10/30/24	10/30/24	TJW
2-Fluorobiphenyl	75%	%REC	11-140			0.97	354041	10/30/24	10/30/24	TJW
Terphenyl-d14	89%	%REC	20-140			0.97	354041	10/30/24	10/30/24	TJW

Method: SM 4500-S2-D

Prep Method: METHOD

Sulfide	ND		mg/L	0.10		1	354435	11/01/24	11/01/24	EPL
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Method: SM 5310B

Prep Method: SM 5310B

Total Organic Carbon	33		mg/L	1.0	0.24	1	354177	10/30/24	10/31/24	EPL
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Method: SM2320B

Prep Method: METHOD

Alkalinity, Bicarbonate, as CaCO3	480		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC
Alkalinity, Total as CaCO3	480		mg/L	5.0		2.5	355030	11/08/24	11/08/24	WWC

Analysis Results for 519093

519093-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C										
Prep Method: METHOD										
Total Dissolved Solids	1,500		mg/L	20		2	354220	10/30/24	11/02/24	DXA

Analysis Results for 519093

Sample ID: QCFB
Lab ID: 519093-005
Collected: 10/28/24 12:58
Matrix: Water

519093-005 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	0.4	1	354959	11/08/24	11/08/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Acetone	ND		ug/L	100	11	1	354959	11/08/24	11/08/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	354959	11/08/24	11/08/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloroform	0.6	J	ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	354959	11/08/24	11/08/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Benzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	354959	11/08/24	11/08/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ

Analysis Results for 519093

519093-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	354959	11/08/24	11/08/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	112%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane-d4	106%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Toluene-d8	98%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ

Analysis Results for 519093

Sample ID: QCTB
Lab ID: 519093-006
Collected: 10/28/24
Matrix: Water

519093-006 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	0.4	1	354959	11/08/24	11/08/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	354959	11/08/24	11/08/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Acetone	ND		ug/L	100	11	1	354959	11/08/24	11/08/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	354959	11/08/24	11/08/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	354959	11/08/24	11/08/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Benzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	354959	11/08/24	11/08/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
Toluene	0.1	J	ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	354959	11/08/24	11/08/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ

Analysis Results for 519093

519093-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	354959	11/08/24	11/08/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	354959	11/08/24	11/08/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	354959	11/08/24	11/08/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	354959	11/08/24	11/08/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	354959	11/08/24	11/08/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	354959	11/08/24	11/08/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	113%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Toluene-d8	97%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	354959	11/08/24	11/08/24	LYZ

J Estimated value
ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1199500	Batch: 354121
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1199500 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.081	10/29/24 18:25	10/29/24 18:57
Chloride	ND		mg/L	1.0	0.20	10/29/24 18:25	10/29/24 18:57
Bromide	ND		mg/L	0.30	0.077	10/29/24 18:25	10/29/24 18:57
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	10/29/24 18:25	10/29/24 18:57
Sulfate	ND		mg/L	1.0	0.20	10/29/24 18:25	10/29/24 18:57

Type: Lab Control Sample	Lab ID: QC1199501	Batch: 354121
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1199501 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.12	10.00	mg/L	101%		90-110
Chloride	50.95	50.00	mg/L	102%		90-110
Bromide	15.62	15.00	mg/L	104%		90-110
Nitrogen, Nitrate	4.901	4.518	mg/L	108%		90-110
Sulfate	26.49	25.00	mg/L	106%		90-110

Type: Matrix Spike	Lab ID: QC1199508	Batch: 354121
Matrix (Source ID): Water (519118-002)	Method: EPA 300.0	Prep Method: METHOD

QC1199508 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.03	ND	20.00	mg/L	105%		80-120	1
Chloride	230.1	138.1	100.0	mg/L	92%	E	80-120	1
Bromide	16.43	0.7497	15.00	mg/L	105%		80-120	1
Nitrogen, Nitrate	22.47	14.64	9.036	mg/L	87%	E	80-120	1
Sulfate	130.8	86.06	50.00	mg/L	89%	E	80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1199509	Batch: 354121
Matrix (Source ID): Water (519118-002)	Method: EPA 300.0	Prep Method: METHOD

QC1199509 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.10	ND	20.00	mg/L	105%		80-120	0	20	1
Chloride	230.3	138.1	100.0	mg/L	92%	E	80-120		20	1
Bromide	16.46	0.7497	15.00	mg/L	105%		80-120	0	20	1
Nitrogen, Nitrate	22.50	14.64	9.036	mg/L	87%	E	80-120		20	1
Sulfate	131.0	86.06	50.00	mg/L	90%	E	80-120		20	1

Batch QC

Type: Matrix Spike	Lab ID: QC1202622	Batch: 354993
Matrix (Source ID): Water (519093-001)	Method: EPA 350.1	Prep Method: METHOD

QC1202622 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9806	ND	1.000	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1202623	Batch: 354993
Matrix (Source ID): Water (519093-001)	Method: EPA 350.1	Prep Method: METHOD

QC1202623 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.051	ND	1.000	mg/L	105%		80-120	7	20	1

Type: Matrix Spike	Lab ID: QC1202624	Batch: 354993
Matrix (Source ID): Water (519093-002)	Method: EPA 350.1	Prep Method: METHOD

QC1202624 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9796	ND	1.000	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1202625	Batch: 354993
Matrix (Source ID): Water (519093-002)	Method: EPA 350.1	Prep Method: METHOD

QC1202625 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9731	ND	1.000	mg/L	97%		80-120	1	20	1

Type: Lab Control Sample	Lab ID: QC1202626	Batch: 354993
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1202626 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9880	1.000	mg/L	99%		80-120

Type: Blank	Lab ID: QC1202627	Batch: 354993
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1202627 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.034	11/08/24	11/11/24

Type: Blank	Lab ID: QC1200101	Batch: 354295
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1200101 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	10/31/24	10/31/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1200102	Batch: 354295
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1200102 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	100.0	100.0	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1200103	Batch: 354295
Matrix (Source ID): Water (519093-001)	Method: EPA 410.4	Prep Method: METHOD

QC1200103 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	112.0	6.000	100.0	mg/L	106%		77-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1200104	Batch: 354295
Matrix (Source ID): Water (519093-001)	Method: EPA 410.4	Prep Method: METHOD

QC1200104 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Chemical Oxygen Demand	118.0	6.000	100.0	mg/L	112%		77-120	5	20	1

Type: Blank	Lab ID: QC1199636	Batch: 354141
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1199636 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aluminum	ND		mg/L	0.050	0.021	10/30/24	10/30/24
Antimony	ND		mg/L	0.030	0.013	10/30/24	10/30/24
Arsenic	ND		mg/L	0.010	0.0062	10/30/24	10/30/24
Barium	ND		mg/L	0.010	0.0023	10/30/24	10/30/24
Beryllium	ND		mg/L	0.0050	0.00017	10/30/24	10/30/24
Boron	ND		mg/L	0.050	0.0062	10/30/24	10/30/24
Cadmium	ND		mg/L	0.0050	0.00037	10/30/24	10/30/24
Calcium	ND		mg/L	0.40	0.40	10/30/24	10/30/24
Chromium	ND		mg/L	0.010	0.0030	10/30/24	10/30/24
Cobalt	ND		mg/L	0.0050	0.0023	10/30/24	10/30/24
Copper	ND		mg/L	0.010	0.0060	10/30/24	10/30/24
Iron	ND		mg/L	0.056	0.056	10/30/24	10/30/24
Lead	ND		mg/L	0.010	0.0062	10/30/24	10/30/24
Magnesium	ND		mg/L	0.10	0.025	10/30/24	10/30/24
Manganese	ND		mg/L	0.010	0.0029	10/30/24	10/30/24
Nickel	ND		mg/L	0.010	0.0028	10/30/24	10/30/24
Potassium	ND		mg/L	0.50	0.43	10/30/24	10/30/24
Selenium	ND		mg/L	0.030	0.0082	10/30/24	10/30/24
Silver	ND		mg/L	0.0050	0.0013	10/30/24	10/30/24
Sodium	ND		mg/L	0.50	0.37	10/30/24	10/30/24
Thallium	ND		mg/L	0.030	0.011	10/30/24	10/30/24
Vanadium	ND		mg/L	0.010	0.0012	10/30/24	10/30/24
Zinc	ND		mg/L	0.050	0.013	10/30/24	10/30/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1199637	Batch: 354141
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1199637 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	0.3925	0.4000	mg/L	98%		80-120
Antimony	0.3797	0.4000	mg/L	95%		80-120
Arsenic	0.3593	0.4000	mg/L	90%		80-120
Barium	0.3714	0.4000	mg/L	93%		80-120
Beryllium	0.3726	0.4000	mg/L	93%		80-120
Boron	0.3683	0.4000	mg/L	92%		80-120
Cadmium	0.3735	0.4000	mg/L	93%		80-120
Calcium	19.63	20.40	mg/L	96%		80-120
Chromium	0.3729	0.4000	mg/L	93%		80-120
Cobalt	0.3832	0.4000	mg/L	96%		80-120
Copper	0.3681	0.4000	mg/L	92%		80-120
Iron	0.3955	0.4000	mg/L	99%		80-120
Lead	0.3823	0.4000	mg/L	96%		80-120
Magnesium	19.00	20.40	mg/L	93%		80-120
Manganese	0.3810	0.4000	mg/L	95%		80-120
Nickel	0.3840	0.4000	mg/L	96%		80-120
Potassium	21.86	24.00	mg/L	91%		80-120
Selenium	0.3521	0.4000	mg/L	88%		80-120
Silver	0.1783	0.2000	mg/L	89%		80-120
Sodium	19.45	20.40	mg/L	95%		80-120
Thallium	0.3855	0.4000	mg/L	96%		80-120
Vanadium	0.3802	0.4000	mg/L	95%		80-120
Zinc	0.3681	0.4000	mg/L	92%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1199638	Batch: 354141
Matrix (Source ID): Water (519213-002)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1199638 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	12.19	4.095	8.000	mg/L	101%		75-125	20
Antimony	7.855	0.2822	8.000	mg/L	95%		75-125	20
Arsenic	7.801	0.3992	8.000	mg/L	93%		75-125	20
Barium	10.03	2.679	8.000	mg/L	92%		75-125	20
Beryllium	7.455	0.003683	8.000	mg/L	93%		75-125	20
Boron	98.67	91.34	8.000	mg/L	92%	NM	75-125	20
Cadmium	7.367	ND	8.000	mg/L	92%		75-125	20
Calcium	5,388	5061	408.0	mg/L	80%	NM	75-125	20
Chromium	8.002	0.5247	8.000	mg/L	93%		75-125	20
Cobalt	7.791	0.05839	8.000	mg/L	97%		75-125	20
Copper	7.937	ND	8.000	mg/L	99%		75-125	20
Iron	870.8	874.9	8.000	mg/L	-51%	E,NM	75-125	20
Lead	7.596	ND	8.000	mg/L	95%		75-125	20
Magnesium	1,174	800.8	408.0	mg/L	91%		75-125	20
Manganese	39.80	32.85	8.000	mg/L	87%	NM	75-125	20
Nickel	7.846	0.1732	8.000	mg/L	96%		75-125	20
Potassium	2,119	1680	480.0	mg/L	91%		75-125	20
Selenium	7.212	ND	8.000	mg/L	90%		75-125	20
Silver	3.724	ND	4.000	mg/L	93%		75-125	20
Sodium	5,240	5211	408.0	mg/L	7%	NM	75-125	20
Thallium	7.442	ND	8.000	mg/L	93%		75-125	20
Vanadium	7.837	0.1236	8.000	mg/L	96%		75-125	20
Zinc	12.23	4.896	8.000	mg/L	92%		75-125	20

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1199639	Batch: 354141
Matrix (Source ID): Water (519213-002)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1199639 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aluminum	12.00	4.095	8.000	mg/L	99%		75-125	2	20	20
Antimony	7.718	0.2822	8.000	mg/L	93%		75-125	2	20	20
Arsenic	7.643	0.3992	8.000	mg/L	91%		75-125	2	20	20
Barium	9.971	2.679	8.000	mg/L	91%		75-125	1	20	20
Beryllium	7.315	0.003683	8.000	mg/L	91%		75-125	2	20	20
Boron	98.74	91.34	8.000	mg/L	93%	NM	75-125	0	20	20
Cadmium	7.273	ND	8.000	mg/L	91%		75-125	1	20	20
Calcium	5,415	5061	408.0	mg/L	87%	NM	75-125	1	20	20
Chromium	7.872	0.5247	8.000	mg/L	92%		75-125	2	20	20
Cobalt	7.646	0.05839	8.000	mg/L	95%		75-125	2	20	20
Copper	7.779	ND	8.000	mg/L	97%		75-125	2	20	20
Iron	869.6	874.9	8.000	mg/L	-66%	E,NM	75-125		20	20
Lead	7.434	ND	8.000	mg/L	93%		75-125	2	20	20
Magnesium	1,161	800.8	408.0	mg/L	88%		75-125	1	20	20
Manganese	39.76	32.85	8.000	mg/L	86%	NM	75-125	0	20	20
Nickel	7.702	0.1732	8.000	mg/L	94%		75-125	2	20	20
Potassium	2,143	1680	480.0	mg/L	97%		75-125	1	20	20
Selenium	7.133	ND	8.000	mg/L	89%		75-125	1	20	20
Silver	3.645	ND	4.000	mg/L	91%		75-125	2	20	20
Sodium	5,568	5211	408.0	mg/L	88%	NM	75-125	6	20	20
Thallium	7.349	ND	8.000	mg/L	92%		75-125	1	20	20
Vanadium	7.679	0.1236	8.000	mg/L	94%		75-125	2	20	20
Zinc	12.12	4.896	8.000	mg/L	90%		75-125	1	20	20

Type: Blank	Lab ID: QC1199640	Batch: 354154
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1199640 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.18	10/30/24	10/30/24

Type: Lab Control Sample	Lab ID: QC1199641	Batch: 354154
Matrix: Filtrate	Method: EPA 7470A	Prep Method: METHOD

QC1199641 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.846	5.000	ug/L	97%		80-120

Type: Matrix Spike	Lab ID: QC1199642	Batch: 354154
Matrix (Source ID): Water (519213-004)	Method: EPA 7470A	Prep Method: METHOD

QC1199642 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	970.9	ND	1000	ug/L	97%		75-125	200

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1199643	Batch: 354154
Matrix (Source ID): Water (519213-004)	Method: EPA 7470A	Prep Method: METHOD

QC1199643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	966.8	ND	1000	ug/L	97%		75-125	0	20	200

Type: Blank	Lab ID: QC1199804	Batch: 354201
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1199804 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.18	10/30/24	10/31/24

Type: Lab Control Sample	Lab ID: QC1199805	Batch: 354201
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1199805 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.986	5.000	ug/L	100%		80-120

Type: Matrix Spike	Lab ID: QC1199806	Batch: 354201
Matrix (Source ID): Water (519093-004)	Method: EPA 7470A	Prep Method: METHOD

QC1199806 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.391	ND	5.000	ug/L	88%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1199807	Batch: 354201
Matrix (Source ID): Water (519093-004)	Method: EPA 7470A	Prep Method: METHOD

QC1199807 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.392	ND	5.000	ug/L	88%		75-125	0	20	1

Batch QC

Type: Lab Control Sample	Lab ID: QC1202304	Batch: 354959
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1202304 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.32	50.00	ug/L	105%		70-135
MTBE	41.49	50.00	ug/L	83%		70-130
Benzene	48.72	50.00	ug/L	97%		70-130
Trichloroethene	50.55	50.00	ug/L	101%		70-130
Toluene	46.06	50.00	ug/L	92%		70-130
Chlorobenzene	47.28	50.00	ug/L	95%		70-130
Surrogates						
Dibromofluoromethane	50.88	50.00	ug/L	102%		70-130
1,2-Dichloroethane-d4	49.38	50.00	ug/L	99%		70-130
Toluene-d8	49.79	50.00	ug/L	100%		70-130
Bromofluorobenzene	49.78	50.00	ug/L	100%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1202305	Batch: 354959
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1202305 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.79	50.00	ug/L	108%		70-135	3	30
MTBE	42.24	50.00	ug/L	84%		70-130	2	30
Benzene	49.82	50.00	ug/L	100%		70-130	2	30
Trichloroethene	51.99	50.00	ug/L	104%		70-130	3	30
Toluene	47.69	50.00	ug/L	95%		70-130	3	30
Chlorobenzene	48.96	50.00	ug/L	98%		70-130	3	30
Surrogates								
Dibromofluoromethane	50.66	50.00	ug/L	101%		70-130		
1,2-Dichloroethane-d4	52.37	50.00	ug/L	105%		70-130		
Toluene-d8	50.06	50.00	ug/L	100%		70-130		
Bromofluorobenzene	48.68	50.00	ug/L	97%		70-130		

Type: Matrix Spike	Lab ID: QC1202309	Batch: 354959
Matrix (Source ID): Water (519093-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1202309 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	58.93	ND	50.00	ug/L	118%		70-130	1
MTBE	43.77	ND	50.00	ug/L	88%		75-130	1
Benzene	53.84	ND	50.00	ug/L	108%		70-130	1
Trichloroethene	56.72	ND	50.00	ug/L	113%		63-130	1
Toluene	51.50	ND	50.00	ug/L	103%		70-130	1
Chlorobenzene	53.40	ND	50.00	ug/L	107%		70-130	1
Surrogates								
Dibromofluoromethane	50.16		50.00	ug/L	100%		70-130	1
1,2-Dichloroethane-d4	48.31		50.00	ug/L	97%		70-130	1
Toluene-d8	50.05		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	50.03		50.00	ug/L	100%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1202310	Batch: 354959
Matrix (Source ID): Water (519093-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1202310 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	59.51	ND	50.00	ug/L	119%		70-130	1	30	1
MTBE	44.83	ND	50.00	ug/L	90%		75-130	2	30	1
Benzene	54.60	ND	50.00	ug/L	109%		70-130	1	30	1
Trichloroethene	58.17	ND	50.00	ug/L	116%		63-130	3	30	1
Toluene	52.78	ND	50.00	ug/L	106%		70-130	2	30	1
Chlorobenzene	55.04	ND	50.00	ug/L	110%		70-130	3	30	1
Surrogates										
Dibromofluoromethane	49.24		50.00	ug/L	98%		70-130			1
1,2-Dichloroethane-d4	51.96		50.00	ug/L	104%		70-130			1
Toluene-d8	49.92		50.00	ug/L	100%		70-130			1
Bromofluorobenzene	49.25		50.00	ug/L	99%		70-130			1

Batch QC

Type: Blank	Lab ID: QC1202311	Batch: 354959
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1202311 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.4	11/07/24	11/07/24
Freon 12	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Chloromethane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Vinyl Chloride	ND		ug/L	5.0	0.09	11/07/24	11/07/24
Bromomethane	ND		ug/L	5.0	0.4	11/07/24	11/07/24
Chloroethane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Trichlorofluoromethane	ND		ug/L	5.0	0.06	11/07/24	11/07/24
Acetone	ND		ug/L	100	11	11/07/24	11/07/24
Freon 113	ND		ug/L	5.0	0.1	11/07/24	11/07/24
1,1-Dichloroethene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Methylene Chloride	ND		ug/L	5.0	2.0	11/07/24	11/07/24
MTBE	ND		ug/L	5.0	0.1	11/07/24	11/07/24
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
1,1-Dichloroethane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
2-Butanone	ND		ug/L	100	2.6	11/07/24	11/07/24
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
2,2-Dichloropropane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Chloroform	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Bromochloromethane	ND		ug/L	5.0	0.2	11/07/24	11/07/24
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
1,1-Dichloropropene	ND		ug/L	5.0	0.3	11/07/24	11/07/24
Carbon Tetrachloride	ND		ug/L	5.0	0.1	11/07/24	11/07/24
1,2-Dichloroethane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Benzene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Trichloroethene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
1,2-Dichloropropane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Bromodichloromethane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Dibromomethane	ND		ug/L	5.0	0.08	11/07/24	11/07/24
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	11/07/24	11/07/24
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	11/07/24	11/07/24
Toluene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	11/07/24	11/07/24
1,3-Dichloropropane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Tetrachloroethene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
Dibromochloromethane	ND		ug/L	5.0	0.08	11/07/24	11/07/24
1,2-Dibromoethane	ND		ug/L	5.0	0.08	11/07/24	11/07/24
Chlorobenzene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Ethylbenzene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
m,p-Xylenes	ND		ug/L	10	0.2	11/07/24	11/07/24
o-Xylene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Styrene	ND		ug/L	5.0	0.06	11/07/24	11/07/24
Bromoform	ND		ug/L	5.0	0.08	11/07/24	11/07/24
Isopropylbenzene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	11/07/24	11/07/24
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	11/07/24	11/07/24

Batch QC

QC1202311 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
Bromobenzene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	11/07/24	11/07/24
2-Chlorotoluene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
4-Chlorotoluene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
tert-Butylbenzene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	11/07/24	11/07/24
sec-Butylbenzene	ND		ug/L	5.0	0.09	11/07/24	11/07/24
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	11/07/24	11/07/24
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	11/07/24	11/07/24
n-Butylbenzene	ND		ug/L	5.0	0.07	11/07/24	11/07/24
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	11/07/24	11/07/24
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	11/07/24	11/07/24
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Hexachlorobutadiene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
Naphthalene	ND		ug/L	5.0	0.1	11/07/24	11/07/24
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	11/07/24	11/07/24
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	11/07/24	11/07/24
Xylene (total)	ND		ug/L	5.0		11/07/24	11/07/24
Surrogates	Limits						
Dibromofluoromethane	111%		%REC	70-130		11/07/24	11/07/24
1,2-Dichloroethane-d4	107%		%REC	70-130		11/07/24	11/07/24
Toluene-d8	99%		%REC	70-130		11/07/24	11/07/24
Bromofluorobenzene	97%		%REC	70-130		11/07/24	11/07/24

Type: Blank
Matrix: Water

Lab ID: QC1199277
Method: EPA 8270C

Batch: 354041
Prep Method: EPA 3510C

QC1199277 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phenol	ND		ug/L	10	3.5	10/29/24	10/30/24
Aniline	ND		ug/L	10	4.5	10/29/24	10/30/24
Benzyl alcohol	ND		ug/L	10	5.8	10/29/24	10/30/24
2-Methylphenol	ND		ug/L	10	3.2	10/29/24	10/30/24
3-,4-Methylphenol	ND		ug/L	10	2.6	10/29/24	10/30/24
Surrogates	Limits						
2-Fluorophenol	72%		%REC	20-140		10/29/24	10/30/24
Phenol-d6	46%		%REC	20-140		10/29/24	10/30/24
2,4,6-Tribromophenol	66%		%REC	20-140		10/29/24	10/30/24
Nitrobenzene-d5	107%		%REC	20-140		10/29/24	10/30/24
2-Fluorobiphenyl	96%		%REC	20-140		10/29/24	10/30/24
Terphenyl-d14	98%		%REC	20-140		10/29/24	10/30/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1199278	Batch: 354041
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1199278 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	41.61	75.00	ug/L	55%		13-120
2-Chlorophenol	76.67	75.00	ug/L	102%		31-120
1,4-Dichlorobenzene	77.24	75.00	ug/L	103%		24-120
3-,4-Methylphenol	77.72	75.00	ug/L	104%		29-120
N-Nitroso-di-n-propylamine	103.7	75.00	ug/L	138%	*	32-120
2,4-Dimethylphenol	84.63	75.00	ug/L	113%		25-120
1,2,4-Trichlorobenzene	82.48	75.00	ug/L	110%		26-120
4-Chloro-3-methylphenol	85.17	75.00	ug/L	114%		39-120
2,4,5-Trichlorophenol	81.35	75.00	ug/L	108%		38-120
Acenaphthene	72.41	75.00	ug/L	97%		33-120
4-Nitrophenol	34.12	75.00	ug/L	45%		12-120
2,4-Dinitrotoluene	74.01	75.00	ug/L	99%		46-120
Pentachlorophenol	63.76	75.00	ug/L	85%		37-120
Pyrene	79.59	75.00	ug/L	106%		47-120
Chrysene	72.79	75.00	ug/L	97%		48-120
Benzo(b)fluoranthene	78.36	75.00	ug/L	104%		46-120
Surrogates						
2-Fluorophenol	29.05	40.00	ug/L	73%		20-140
Phenol-d6	22.85	40.00	ug/L	57%		20-140
2,4,6-Tribromophenol	40.88	40.00	ug/L	102%		20-140
Nitrobenzene-d5	51.87	40.00	ug/L	130%		20-140
2-Fluorobiphenyl	48.04	40.00	ug/L	120%		20-140
Terphenyl-d14	43.58	40.00	ug/L	109%		20-140

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1199279	Batch: 354041
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1199279 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	34.13	75.00	ug/L	46%		13-120	20	62
2-Chlorophenol	67.70	75.00	ug/L	90%		31-120	12	62
1,4-Dichlorobenzene	69.37	75.00	ug/L	92%		24-120	11	64
3-,4-Methylphenol	65.94	75.00	ug/L	88%		29-120	16	62
N-Nitroso-di-n-propylamine	87.40	75.00	ug/L	117%		32-120	17	65
2,4-Dimethylphenol	73.87	75.00	ug/L	98%		25-120	14	64
1,2,4-Trichlorobenzene	72.32	75.00	ug/L	96%		26-120	13	63
4-Chloro-3-methylphenol	79.66	75.00	ug/L	106%		39-120	7	58
2,4,5-Trichlorophenol	75.27	75.00	ug/L	100%		38-120	8	59
Acenaphthene	67.36	75.00	ug/L	90%		33-120	7	52
4-Nitrophenol	30.20	75.00	ug/L	40%		12-120	12	63
2,4-Dinitrotoluene	69.60	75.00	ug/L	93%		46-120	6	41
Pentachlorophenol	56.75	75.00	ug/L	76%		37-120	12	42
Pyrene	74.96	75.00	ug/L	100%		47-120	6	43
Chrysene	67.96	75.00	ug/L	91%		48-120	7	46
Benzo(b)fluoranthene	74.58	75.00	ug/L	99%		46-120	5	47
Surrogates								
2-Fluorophenol	26.65	40.00	ug/L	67%		20-140		
Phenol-d6	18.38	40.00	ug/L	46%		20-140		
2,4,6-Tribromophenol	38.74	40.00	ug/L	97%		20-140		
Nitrobenzene-d5	47.76	40.00	ug/L	119%		20-140		
2-Fluorobiphenyl	44.47	40.00	ug/L	111%		20-140		
Terphenyl-d14	40.28	40.00	ug/L	101%		20-140		

Type: Blank	Lab ID: QC1199491	Batch: 354110
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1199491 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	10/29/24	10/29/24
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		10/29/24	10/29/24

Type: Lab Control Sample	Lab ID: QC1199492	Batch: 354110
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1199492 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.794	10.00	ug/L	98%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.11	10.00	ug/L	101%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1199493	Batch: 354110
Matrix (Source ID): Water (518583-008)	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1199493 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,4-Dioxane	221.7	121.2	100.0	ug/L	100%		70-130	10
Surrogates								
1,4-Dioxane-d8 (SUR)	104.3		100.0	ug/L	104%		80-120	10

Type: Matrix Spike Duplicate	Lab ID: QC1199494	Batch: 354110
Matrix (Source ID): Water (518583-008)	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1199494 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,4-Dioxane	203.9	121.2	100.0	ug/L	83%		70-130	8	30	10
Surrogates										
1,4-Dioxane-d8 (SUR)	105.4		100.0	ug/L	105%		80-120			10

Type: Blank	Lab ID: QC1200536	Batch: 354435
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1200536 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		11/01/24	11/01/24

Type: Lab Control Sample	Lab ID: QC1200537	Batch: 354435
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1200537 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1200538	Batch: 354435
Matrix (Source ID): Water (519085-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1200538 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1200539	Batch: 354435
Matrix (Source ID): Water (519085-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1200539 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Batch QC

Type: Blank	Lab ID: QC1199715	Batch: 354177
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1199715 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	10/30/24	10/30/24

Type: Lab Control Sample	Lab ID: QC1199716	Batch: 354177
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1199716 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	24.10	25.00	mg/L	96%		80-120

Type: Matrix Spike	Lab ID: QC1199717	Batch: 354177
Matrix (Source ID): Water (518962-002)	Method: SM 5310B	Prep Method: SM 5310B

QC1199717 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	30.34	2.820	25.00	mg/L	110%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1199718	Batch: 354177
Matrix (Source ID): Water (518962-002)	Method: SM 5310B	Prep Method: SM 5310B

QC1199718 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	30.50	2.820	25.00	mg/L	111%		80-120	1	20	1

Type: Blank	Lab ID: QC1202513	Batch: 355030
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1202513 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO ₃	ND		mg/L	2.0		11/08/24	11/08/24
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		11/08/24	11/08/24

Type: Lab Control Sample	Lab ID: QC1202514	Batch: 355030
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1202514 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	983.5	1000	mg/L	98%		90-110

Type: Sample Duplicate	Lab ID: QC1202515	Batch: 355030
Matrix (Source ID): Water (519168-001)	Method: SM2320B	Prep Method: METHOD

QC1202515 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO ₃	53.47	52.52	mg/L		2	20	1
Alkalinity, Total as CaCO ₃	53.47	52.52	mg/L		2	20	1

Batch QC

Type: Blank	Lab ID: QC1199849	Batch: 354220
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1199849 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		10/30/24	11/02/24

Type: Lab Control Sample	Lab ID: QC1199850	Batch: 354220
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1199850 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,006	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1199852	Batch: 354220
Matrix (Source ID): Water (519085-011)	Method: SM2540C	Prep Method: METHOD

QC1199852 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	3,422	3394	mg/L		1	5	2

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

Laboratory Job Number 519093

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2410N48

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 058321

Project: EO-519093

Project Location:

Project Received: 10/31/2024

Analytical Report reviewed & approved for release on 11/06/2024 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: 2410N48

Project: EO-519093

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: 2410N48

Project: EO-519093

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: 10/31/2024 10:20
Date Prepared: 11/04/2024
Project: EO-519093

WorkOrder: 2410N48
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	2410N48-001A	Water	10/28/2024 09:53	GC26 1104240704.D	305320

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	2500	100	100	2	11/04/2024 08:46

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2410N48-002A	Water	10/28/2024 10:59	GC26 1104240705.D	305320

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	9000	500	500	10	11/04/2024 10:37

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2410N48-003A	Water	10/28/2024 11:56	GC26 1104240706.D	305320

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	2900	500	500	10	11/04/2024 12:06

Analyst(s): PRE

(Cont.)



Analytical Report

Client: Enthalpy Analytical
Date Received: 10/31/2024 10:20
Date Prepared: 11/04/2024
Project: EO-519093

WorkOrder: 2410N48
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	2410N48-004A	Water	10/28/2024 12:55	GC26 1104240707.D	305320

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	62,000	2500	2500	50	11/04/2024 13:45

Analyst(s): PRE



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 11/04/2024
Date Analyzed: 11/04/2024
Instrument: GC26
Matrix: Water
Project: EO-519093

WorkOrder: 2410N48
BatchID: 305320
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-305320

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	160	150	187.2	83	81	70-130	2.43	30

McC Campbell Analytical, Inc.

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2410N48 ClientCode: ENO QuoteID: 243367
☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☒ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Excel [A1_Standard_QC]

Report to: Bill to: Requested TAT: 2 days;
Zach Barker Accounts Payable/Enthalpy SoCal
Enthalpy Analytical Montrose Environmental Group
931 West Barkley Avenue PO Box 842165 Date Received: 10/31/2024
Orange, CA 92868 Boston, MA 02284-2165 Date Logged: 10/31/2024
(714) 771-6900 FAX: 003EL_ap@montrose-env.com

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2410N48-001	DW-30	Water	10/28/2024 09:53	☐	A											
2410N48-002	DW-29	Water	10/28/2024 10:59	☐	A											
2410N48-003	DW-1	Water	10/28/2024 11:56	☐	A											
2410N48-004	DW-31	Water	10/28/2024 12:55	☐	A											

Test Legend:

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

Project Manager: Yen Cao Prepared by: Emily Perez

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-519093

Work Order: 2410N48

Client Contact: Zach Barker

QC Level: LEVEL 2

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

Comments:

Date Logged: 10/31/2024

☐ 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-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	10/28/2024 9:53	2 days	11/4/2024	Present	☐	☐
002A	DW-29	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	10/28/2024 10:59	2 days	11/4/2024	None	☐	☐
003A	DW-1	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	10/28/2024 11:56	2 days	11/4/2024	None	☐	☐
004A	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	10/28/2024 12:55	2 days	11/4/2024	None	☐	☐

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

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

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

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

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



Enthalpy Analytical - Orange
 Orange, CA 92868
 (714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:

McC Campbell Analytical, Inc.
 1534 Willow Pass Rd.
 Pittsburg, CA 94565
 ATTN: Quote ID: 243367
 PO #: PO-058321

Enthalpy Order: EO-519093

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-30	28-OCT-2024 09:53	519093-001	3 ✓	Water	RSK-175	CO2 only.
DW-29	28-OCT-2024 10:59	519093-002	3 ✓	Water	RSK-175	CO2 only.
DW-1	28-OCT-2024 11:56	519093-003	3 ✓	Water	RSK-175	CO2 only.
DW-31	28-OCT-2024 12:55	519093-004	3 ✓	Water	RSK-175	CO2 only.

Notes:	Relinquished By:	Received By:
	JELBERT QUITUGUA <i>J. Quitugua</i>	
	Date: 10/30/24 1505	Date:
	Date:	<i>Emily R</i> Date: 10/31/24 1020
	Date:	Date:

GHS: 562197252

0.4 wet
1233



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-519093

Date and Time Received: 10/31/2024 10:20

Date Logged: 10/31/2024

Received by: Emily Perez

Logged by: Emily Perez

WorkOrder №: 2410N48 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 0.4°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 : 521162
Report Level : II
Report Date : 12/19/2024

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, 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 #: 521162
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 11/25/24

Sample ID	Lab ID	Collected	Matrix
DW-15	521162-001	11/25/24 08:13	Water
DW-30	521162-002	11/25/24 09:02	Water
DW-16	521162-003	11/25/24 10:02	Water
DW-29	521162-004	11/25/24 11:03	Water
DW-31	521162-005	11/25/24 12:00	Water
DW-1	521162-006	11/25/24 12:53	Water
QCFB	521162-007	11/25/24 08:16	Water
QCTB	521162-008	11/25/24 00:00	Water

Case Narrative

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

Lab Job Number: 521162
Project No: GW MONITORING
Location: Chiquita Canyon
Landfill
Date Received: 11/25/24

- This data package contains sample and QC results for eight water samples, requested for the above referenced project on 11/25/24. The samples were received cold and intact.
- This report was revised on 12/19/24 to include RSK-175 CO2 data.

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

- 1,2-dichloroethane was detected between the MDL and the RL in the method blank for batch 357288; this analyte was not detected in the sample at or above the RL.
- 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):

No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- 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):

No analytical problems were encountered.

RSK-175-SUB (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

Enthalpy Analytical

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Chain of Custody Record

Lab No: 521162

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 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

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

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION

Company: Chiquita Canyon Landfill
Report To: Steve Cassulo
Email: Steven.Cassulo@wasteconnections.com
Address: 29201 Henry Mayo Drive
Castaic, CA, 91384
Phone: 661-257-3655
Fax:

PROJECT INFORMATION

Name: Steve Cassulo
Number: 661-257-3655
P.O. #:
Address:
Global ID: L10003464243
Sampled By: Paul Chang

Analysis Request

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
X	X	X	X	X	X	X	X	X

Test Instructions / Comments

11/28/24

Quarterly MPars

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

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
1 DW-15	11/25/24	813	W	13	var.	X	X	X	X	X	X	X	X	X
2 DW-30		902				X	X	X	X	X	X	X	X	X
3 DW-16		1002				X	X	X	X	X	X	X	X	X
4 DW-29		1103				X	X	X	X	X	X	X	X	X
5 DW-31		1200				X	X	X	X	X	X	X	X	X
6 DW-1		1253				X	X	X	X	X	X	X	X	X
7 QCFB		816		3		X								
8 QCTB				2		X								
9														
10														

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Paul Chang	CEI	11/25/24 1423
1 Received By:		Jim Lin	SA NH	11.25.24 1423
2 Relinquished By:		Jim Lin	SA NH	11.26.24
2 Received By:		Brian Ture	EA	11.26.24 1630
3 Relinquished By:		Brian Ture	EA	11.26.24 1700
3 Received By:		Amelina Sankar	SA	11/26/24 1700

ENTHALPY

Date Received: 11.25.24 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: Client Drop Off at LA Service Center

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

Date Opened 11-25-24 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: -0.2

Cooler Temp (°C) #1: 8.7 / 8.5 #2: 13.2 / 13.0 #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

☐ PM notified

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

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 11/26/24 WO# 521162 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

Shipping Info: _____

Section 3a: Condition / Packaging

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

Date Opened 11/26/24 By (initials) Brandon 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: Jhu CF: 40.1

Cooler Temp (°C) #1: 28 / 21 #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	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

Did not receive samples 1-3 and 8.

Date Logged 11/25/24 By (print) FPDIWA (sign) _____
Date Labeled 11/26/24 By (print) EA. Orange (sign) _____

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 11/27/24 WO# 521162 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

Shipping Info: _____

Section 3a: Condition / Packaging

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

Date Opened 11/27/24 By (initials) AKC 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: IR11 CF: +0.1

Cooler Temp (°C) #1: 8.2 / 8.3 #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

☒ PM notified

4.5: TWO PRESERVED VIALS UNLABELED WERE RECEIVED WITH SAMPLE -007, ID "QCFB" IN A BAG LABELED "EB". NO TRIP BLANKS WERE FOUND SO THE TWO PRESERVED UNLABELED VIALS HAVE BEEN STICKERED AS SAMPLE -008, ID "QCTB".

4.10: SAMPLES -001, -002 AND -003 WERE FOUND LEFT IN A COOLER FROM 11/26. SAMPLES HAVE BEEN RECEIVED OUT OF TEMP AT 8.2/8.3, IR11, +0.1 AND OUT OF HOLD FOR NITRATE. A CAR HAS BEEN INITIATED UNDER CAR 16929.

Date Logged 11/25/24 By (print) FPDIWA (sign) _____

Date Labeled 11/26/24 By (print) EA ORANGE (sign) _____

Analysis Results for 521162

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

Lab Job #: 521162
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 11/25/24

Sample ID: DW-15

Lab ID: 521162-001

Collected: 11/25/24 08:13

Matrix: Water

521162-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.087	J	mg/L	0.20	0.031	1	356807	12/02/24 16:30	12/02/24 18:57	PAS
Chloride	75		mg/L	1.0	0.27	1	356807	12/02/24 16:30	12/02/24 18:57	PAS
Bromide	0.16	J	mg/L	0.30	0.060	1	356807	12/02/24 16:30	12/02/24 18:57	PAS
Nitrogen, Nitrate	0.18	H	mg/L	0.10	0.04	1	356807	12/02/24 16:30	12/02/24 18:57	PAS
Sulfate	1,400		mg/L	20	6.9	20	356618	11/27/24 13:43	11/28/24 05:34	PAS
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	0.15		mg/L	0.10	0.034	1	357295	12/07/24	12/09/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	356695	11/29/24	11/29/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.21		mg/L	0.050	0.013	1	356633	11/27/24	11/27/24	CAP
Calcium	240		mg/L	0.47	0.47	1	356633	11/27/24	11/27/24	CAP
Iron	0.89		mg/L	0.068	0.068	1	356633	11/27/24	11/27/24	CAP
Magnesium	32		mg/L	0.10	0.088	1	356633	11/27/24	11/27/24	CAP
Manganese	0.60		mg/L	0.010	0.0015	1	356633	11/27/24	11/27/24	CAP
Potassium	3.1		mg/L	0.50	0.43	1	356633	11/27/24	11/27/24	CAP
Sodium	380		mg/L	0.50	0.50	1	356633	11/27/24	11/27/24	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Freon 12	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Chloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Acetone	ND		ug/L	100	44	1	357173	12/06/24	12/06/24	YAH
Freon 113	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Methylene Chloride	ND		ug/L	5.0	3.7	1	357173	12/06/24	12/06/24	YAH
MTBE	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
2-Butanone	ND		ug/L	100	2.3	1	357173	12/06/24	12/06/24	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chloroform	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH

Analysis Results for 521162

521162-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
Benzene	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromodichloromethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
Dibromomethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	357173	12/06/24	12/06/24	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Toluene	0.2	J	ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Tetrachloroethene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chlorobenzene	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
m,p-Xylenes	0.4	J	ug/L	10	0.2	1	357173	12/06/24	12/06/24	YAH
o-Xylene	0.2	J	ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Styrene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Bromoform	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trimethylbenzene	0.2	J	ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
n-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Naphthalene	0.6	J	ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Xylene (total)	0.6	J	ug/L	5.0		1	357173	12/06/24	12/06/24	YAH
Surrogates				Limits						
Dibromofluoromethane	96%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH

2 of 22 Results for any subcontracted analyses are not included in this section.

Analysis Results for 521162

521162-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	92%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH
Toluene-d8	101%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH
Bromofluorobenzene	106%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH

Method: EPA 8270C-SIM

Prep Method: EPA 3535

1,4-Dioxane	ND		ug/L	1.0	0.95	1	356495	11/27/24	11/27/24	ZFA
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Surrogates

Limits

1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	356495	11/27/24	11/27/24	ZFA
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Method: SM 4500-S2-D

Prep Method: METHOD

Sulfide	ND		mg/L	0.10		1	356629	11/27/24	11/27/24	DXA
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Method: SM 5310B

Prep Method: SM 5310B

Total Organic Carbon	4.4		mg/L	1.0	0.24	1	357264	12/06/24	12/06/24	EPL
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Method: SM2320B

Prep Method: METHOD

Alkalinity, Bicarbonate, as CaCO3	210		mg/L	5.0		2.5	357150	12/05/24	12/05/24	WWC
Alkalinity, Total as CaCO3	210		mg/L	5.0		2.5	357150	12/05/24	12/05/24	WWC

Method: SM2540C

Prep Method: METHOD

Total Dissolved Solids	2,400		mg/L	20		2	356671	11/29/24	11/30/24	DXA
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Analysis Results for 521162

Sample ID: DW-30
Lab ID: 521162-002
Collected: 11/25/24 09:02
Matrix: Water

521162-002 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	0.040	1	356618	11/27/24 13:43	11/28/24 05:56	PAS
Chloride	58		mg/L	1.0	0.20	1	356618	11/27/24 13:43	11/28/24 05:56	PAS
Bromide	0.14	J	mg/L	0.30	0.065	1	356618	11/27/24 13:43	11/28/24 05:56	PAS
Nitrogen, Nitrate	0.13	H	mg/L	0.10	0.06	1	356618	11/27/24 13:43	11/28/24 05:56	PAS
Sulfate	300		mg/L	10	3.4	10	356618	11/27/24 13:43	11/28/24 06:19	PAS
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	357295	12/07/24	12/09/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	356695	11/29/24	11/29/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.20		mg/L	0.050	0.013	1	356633	11/27/24	11/27/24	CAP
Calcium	38		mg/L	0.47	0.47	1	356633	11/27/24	11/27/24	CAP
Iron	0.11		mg/L	0.068	0.068	1	356633	11/27/24	11/27/24	CAP
Magnesium	5.9		mg/L	0.10	0.088	1	356633	11/27/24	11/27/24	CAP
Manganese	0.064		mg/L	0.010	0.0015	1	356633	11/27/24	11/27/24	CAP
Potassium	2.0		mg/L	0.50	0.43	1	356633	11/27/24	11/27/24	CAP
Sodium	180		mg/L	0.50	0.50	1	356633	11/27/24	11/27/24	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
Freon 12	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	HMN
Chloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Bromomethane	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	HMN
Chloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Acetone	ND		ug/L	100	44	1	357173	12/06/24	12/06/24	HMN
Freon 113	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Methylene Chloride	ND		ug/L	5.0	3.7	1	357173	12/06/24	12/06/24	HMN
MTBE	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	HMN
2-Butanone	ND		ug/L	100	2.3	1	357173	12/06/24	12/06/24	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Chloroform	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	357173	12/06/24	12/06/24	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	HMN

Analysis Results for 521162

521162-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	HMN
Trichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Bromodichloromethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	HMN
Dibromomethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	357173	12/06/24	12/06/24	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	HMN
Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	HMN
Tetrachloroethene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Chlorobenzene	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
m,p-Xylenes	0.2	J	ug/L	10	0.2	1	357173	12/06/24	12/06/24	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Styrene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Bromoform	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Propylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
n-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	357173	12/06/24	12/06/24	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Naphthalene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
Xylene (total)	0.2	J	ug/L	5.0		1	357173	12/06/24	12/06/24	HMN
Surrogates			Limits							
Dibromofluoromethane	98%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN
1,2-Dichloroethane-d4	93%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN
Toluene-d8	103%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN
Bromofluorobenzene	109%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 521162

521162-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	356495	11/27/24	11/27/24	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	356495	11/27/24	11/27/24	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	356629	11/27/24	11/27/24	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	2.8		mg/L	1.0	0.24	1	357264	12/06/24	12/06/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	190		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Alkalinity, Total as CaCO3	190		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	780		mg/L	20		2	356671	11/29/24	11/30/24	DXA

Analysis Results for 521162

Sample ID: DW-16
Lab ID: 521162-003
Collected: 11/25/24 10:02
Matrix: Water

521162-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.42		mg/L	0.20	0.040	1	356618	11/27/24 13:43	11/28/24 06:42	PAS
Chloride	100		mg/L	1.0	0.20	1	356618	11/27/24 13:43	11/28/24 06:42	PAS
Bromide	0.26	J	mg/L	0.30	0.065	1	356618	11/27/24 13:43	11/28/24 06:42	PAS
Nitrogen, Nitrate	2.1	H	mg/L	0.10	0.06	1	356618	11/27/24 13:43	11/28/24 06:42	PAS
Sulfate	180		mg/L	5.0	1.7	5	356618	11/27/24 13:43	11/28/24 07:51	PAS
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	357295	12/07/24	12/09/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	356695	11/29/24	11/29/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.12		mg/L	0.050	0.013	1	356633	11/27/24	11/27/24	CAP
Calcium	6.8		mg/L	0.47	0.47	1	356633	11/27/24	11/27/24	CAP
Iron	ND		mg/L	0.068	0.068	1	356633	11/27/24	11/27/24	CAP
Magnesium	0.42		mg/L	0.10	0.088	1	356633	11/27/24	11/27/24	CAP
Manganese	ND		mg/L	0.010	0.0015	1	356633	11/27/24	11/27/24	CAP
Potassium	1.2		mg/L	0.50	0.43	1	356633	11/27/24	11/27/24	CAP
Sodium	220		mg/L	0.50	0.50	1	356633	11/27/24	11/27/24	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
Freon 12	0.4	J	ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	HMN
Chloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Bromomethane	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	HMN
Chloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Acetone	ND		ug/L	100	44	1	357173	12/06/24	12/06/24	HMN
Freon 113	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Methylene Chloride	ND		ug/L	5.0	3.7	1	357173	12/06/24	12/06/24	HMN
MTBE	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	HMN
1,1-Dichloroethane	0.8	J	ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	HMN
2-Butanone	ND		ug/L	100	2.3	1	357173	12/06/24	12/06/24	HMN
cis-1,2-Dichloroethene	0.5	J	ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Chloroform	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	357173	12/06/24	12/06/24	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	HMN

Analysis Results for 521162

521162-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	0.2	J	ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	HMN
Trichloroethene	0.5	J	ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Bromodichloromethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	HMN
Dibromomethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	357173	12/06/24	12/06/24	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	HMN
Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	HMN
Tetrachloroethene	0.5	J	ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Chlorobenzene	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	357173	12/06/24	12/06/24	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Styrene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Bromoform	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Isopropylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Propylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,4-Dichlorobenzene	0.2	J	ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
n-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	357173	12/06/24	12/06/24	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	HMN
Naphthalene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	HMN
Xylene (total)	ND		ug/L	5.0		1	357173	12/06/24	12/06/24	HMN
Surrogates			Limits							
Dibromofluoromethane	99%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN
1,2-Dichloroethane-d4	95%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN
Toluene-d8	102%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN
Bromofluorobenzene	109%		%REC	70-130		1	357173	12/06/24	12/06/24	HMN

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 521162

521162-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	356495	11/27/24	11/27/24	ZFA
Surrogates	Limits									
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	356495	11/27/24	11/27/24	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	356629	11/27/24	11/27/24	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	3.5		mg/L	1.0	0.24	1	357264	12/06/24	12/06/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	280		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Alkalinity, Total as CaCO3	310		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	740		mg/L	20		2	356671	11/29/24	11/30/24	DXA

Analysis Results for 521162

Sample ID: DW-29
Lab ID: 521162-004
Collected: 11/25/24 11:03
Matrix: Water

521162-004 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	0.081	1	356545	11/26/24 18:00	11/26/24 20:14	AJL
Chloride	85		mg/L	1.0	0.20	1	356545	11/26/24 18:00	11/26/24 20:14	AJL
Bromide	0.26	J	mg/L	0.30	0.077	1	356545	11/26/24 18:00	11/26/24 20:14	AJL
Nitrogen, Nitrate	2.7		mg/L	0.10	0.03	1	356545	11/26/24 18:00	11/26/24 20:14	AJL
Sulfate	320		mg/L	10	2.0	10	356545	11/26/24 18:00	11/26/24 20:31	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	357295	12/07/24	12/09/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	7.0		mg/L	4.0	1.6	1	356695	11/29/24	11/29/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.30		mg/L	0.050	0.013	1	356633	11/27/24	11/27/24	CAP
Calcium	56		mg/L	0.47	0.47	1	356633	11/27/24	11/27/24	CAP
Iron	ND		mg/L	0.068	0.068	1	356633	11/27/24	11/27/24	CAP
Magnesium	7.9		mg/L	0.10	0.088	1	356633	11/27/24	11/27/24	CAP
Manganese	0.15		mg/L	0.010	0.0015	1	356633	11/27/24	11/27/24	CAP
Potassium	1.7		mg/L	0.50	0.43	1	356633	11/27/24	11/27/24	CAP
Sodium	210		mg/L	0.50	0.50	1	356633	11/27/24	11/27/24	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Freon 12	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Chloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Acetone	ND		ug/L	100	44	1	357173	12/06/24	12/06/24	YAH
Freon 113	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Methylene Chloride	ND		ug/L	5.0	3.7	1	357173	12/06/24	12/06/24	YAH
MTBE	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
2-Butanone	ND		ug/L	100	2.3	1	357173	12/06/24	12/06/24	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chloroform	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
Bromochloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH

Analysis Results for 521162

521162-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromodichloromethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
Dibromomethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	357173	12/06/24	12/06/24	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Tetrachloroethene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chlorobenzene	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	357173	12/06/24	12/06/24	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Styrene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Bromoform	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
n-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Naphthalene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Xylene (total)	ND		ug/L	5.0		1	357173	12/06/24	12/06/24	YAH
Surrogates			Limits							
Dibromofluoromethane	99%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH
1,2-Dichloroethane-d4	94%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH
Toluene-d8	102%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH
Bromofluorobenzene	109%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 521162

521162-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	356495	11/27/24	11/27/24	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	104%		%REC	80-120		1	356495	11/27/24	11/27/24	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	356629	11/27/24	11/27/24	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	6.8		mg/L	1.0	0.24	1	357264	12/06/24	12/06/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	270		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Alkalinity, Total as CaCO3	270		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	870		mg/L	20		2	356671	11/29/24	11/30/24	DXA

Analysis Results for 521162

Sample ID: DW-31
Lab ID: 521162-005
Collected: 11/25/24 12:00
Matrix: Water

521162-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.21		mg/L	0.20	0.081	1	356545	11/26/24 18:00	11/26/24 20:48	AJL
Chloride	140		mg/L	1.0	0.20	1	356545	11/26/24 18:00	11/26/24 20:48	AJL
Bromide	0.65		mg/L	0.30	0.077	1	356545	11/26/24 18:00	11/26/24 20:48	AJL
Nitrogen, Nitrate	0.04	J	mg/L	0.10	0.03	1	356545	11/26/24 18:00	11/26/24 20:48	AJL
Sulfate	530		mg/L	10	2.0	10	356545	11/26/24 18:00	11/27/24 09:50	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	357295	12/07/24	12/09/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	42		mg/L	4.0	1.6	1	356695	11/29/24	11/29/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.66		mg/L	0.050	0.013	1	356633	11/27/24	11/27/24	CAP
Calcium	250		mg/L	0.47	0.47	1	356633	11/27/24	11/27/24	CAP
Iron	0.25		mg/L	0.068	0.068	1	356633	11/27/24	11/27/24	CAP
Magnesium	45		mg/L	0.10	0.088	1	356633	11/27/24	11/27/24	CAP
Manganese	0.79		mg/L	0.010	0.0015	1	356633	11/27/24	11/27/24	CAP
Potassium	2.3		mg/L	0.50	0.43	1	356633	11/27/24	11/27/24	CAP
Sodium	140		mg/L	0.50	0.50	1	356633	11/27/24	11/27/24	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Freon 12	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Chloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Acetone	ND		ug/L	100	44	1	357173	12/06/24	12/06/24	YAH
Freon 113	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Methylene Chloride	ND		ug/L	5.0	3.7	1	357173	12/06/24	12/06/24	YAH
MTBE	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
2-Butanone	ND		ug/L	100	2.3	1	357173	12/06/24	12/06/24	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chloroform	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
Bromochloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH

Analysis Results for 521162

521162-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromodichloromethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
Dibromomethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	357173	12/06/24	12/06/24	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Tetrachloroethene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chlorobenzene	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
m,p-Xylenes	0.2	J	ug/L	10	0.2	1	357173	12/06/24	12/06/24	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Styrene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Bromoform	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
n-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Naphthalene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Xylene (total)	0.2	J	ug/L	5.0		1	357173	12/06/24	12/06/24	YAH
Surrogates				Limits						
Dibromofluoromethane	98%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH
1,2-Dichloroethane-d4	95%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH
Toluene-d8	102%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH
Bromofluorobenzene	107%		%REC	70-130		1	357173	12/06/24	12/06/24	YAH

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 521162

521162-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	4.9		ug/L	1.0	0.95	1	356495	11/27/24	11/27/24	ZFA
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	101%		%REC	80-120		1	356495	11/27/24	11/27/24	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	356629	11/27/24	11/27/24	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	25		mg/L	1.0	0.24	1	357264	12/06/24	12/06/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	530		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Alkalinity, Total as CaCO3	530		mg/L	5.0	2.5	357150	12/05/24	12/05/24	12/05/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	1,500		mg/L	20		2	356671	11/29/24	11/30/24	DXA

Analysis Results for 521162

Sample ID: DW-1
Lab ID: 521162-006
Collected: 11/25/24 12:53
Matrix: Water

521162-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.77		mg/L	0.20	0.081	1	356545	11/26/24 18:00	11/26/24 21:55	AJL
Chloride	110		mg/L	1.0	0.20	1	356545	11/26/24 18:00	11/26/24 21:55	AJL
Bromide	0.26	J	mg/L	0.30	0.077	1	356545	11/26/24 18:00	11/26/24 21:55	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	356545	11/26/24 18:00	11/26/24 21:55	AJL
Sulfate	380		mg/L	10	2.0	10	356545	11/26/24 18:00	11/26/24 22:12	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.034	1	357295	12/07/24	12/09/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	356695	11/29/24	11/29/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.20		mg/L	0.050	0.013	1	356633	11/27/24	11/27/24	CAP
Calcium	51		mg/L	0.47	0.47	1	356633	11/27/24	11/27/24	CAP
Iron	ND		mg/L	0.068	0.068	1	356633	11/27/24	11/27/24	CAP
Magnesium	9.5		mg/L	0.10	0.088	1	356633	11/27/24	11/27/24	CAP
Manganese	0.043		mg/L	0.010	0.0015	1	356633	11/27/24	11/27/24	CAP
Potassium	2.6		mg/L	0.50	0.43	1	356633	11/27/24	11/27/24	CAP
Sodium	190		mg/L	0.50	0.50	1	356633	11/27/24	11/27/24	CAP
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Freon 12	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Chloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Acetone	ND		ug/L	100	44	1	357173	12/06/24	12/06/24	YAH
Freon 113	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Methylene Chloride	ND		ug/L	5.0	3.7	1	357173	12/06/24	12/06/24	YAH
MTBE	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloroethane	0.1	J	ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
2-Butanone	ND		ug/L	100	2.3	1	357173	12/06/24	12/06/24	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chloroform	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
Bromochloromethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH

Analysis Results for 521162

521162-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.08	1	357173	12/06/24	12/06/24	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromodichloromethane	ND		ug/L	5.0	0.06	1	357173	12/06/24	12/06/24	YAH
Dibromomethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	357173	12/06/24	12/06/24	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	357173	12/06/24	12/06/24	YAH
Tetrachloroethene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Chlorobenzene	ND		ug/L	5.0	0.3	1	357173	12/06/24	12/06/24	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	357173	12/06/24	12/06/24	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	357173	12/06/24	12/06/24	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Styrene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Bromoform	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
n-Butylbenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	357173	12/06/24	12/06/24	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	357173	12/06/24	12/06/24	YAH
Naphthalene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357173	12/06/24	12/06/24	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357173	12/06/24	12/06/24	YAH
Xylene (total)	ND		ug/L	5.0		1	357173	12/06/24	12/06/24	YAH
Surrogates			Limits							
Dibromofluoromethane	96%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH
1,2-Dichloroethane-d4	90%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH
Toluene-d8	103%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH
Bromofluorobenzene	105%	%REC	70-130			1	357173	12/06/24	12/06/24	YAH

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 521162

521162-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	356495	11/27/24	11/27/24	ZFA
Surrogates			Limits							
1,4-Dioxane-d8 (SUR)	103%		%REC	80-120		1	356495	11/27/24	11/27/24	ZFA
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	356629	11/27/24	11/27/24	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	2.0		mg/L	1.0	0.24	1	357264	12/06/24	12/06/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	190		mg/L	5.0		2.5	357150	12/05/24	12/05/24	WWC
Alkalinity, Total as CaCO3	190		mg/L	5.0		2.5	357150	12/05/24	12/05/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	850		mg/L	20		2	356671	11/29/24	11/30/24	DXA

Analysis Results for 521162

Sample ID: QCFB
Lab ID: 521162-007
Collected: 11/25/24 08:16
Matrix: Water

521162-007 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	0.6	1	357297	12/07/24	12/07/24	YAH
Freon 12	ND		ug/L	5.0	0.3	1	357297	12/07/24	12/07/24	YAH
Chloromethane	ND		ug/L	5.0	0.4	1	357297	12/07/24	12/07/24	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Bromomethane	ND		ug/L	5.0	0.8	1	357297	12/07/24	12/07/24	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Acetone	ND		ug/L	100	17	1	357297	12/07/24	12/07/24	YAH
Freon 113	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Methylene Chloride	ND		ug/L	5.0	3.5	1	357297	12/07/24	12/07/24	YAH
MTBE	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
2-Butanone	ND		ug/L	100	2.0	1	357297	12/07/24	12/07/24	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Chloroform	0.5	J	ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Bromochloromethane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Benzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Bromodichloromethane	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Dibromomethane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	357297	12/07/24	12/07/24	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Toluene	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Tetrachloroethene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Chlorobenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	357297	12/07/24	12/07/24	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Styrene	ND		ug/L	5.0	0.08	1	357297	12/07/24	12/07/24	YAH
Bromoform	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Isopropylbenzene	ND		ug/L	5.0	0.09	1	357297	12/07/24	12/07/24	YAH

Analysis Results for 521162

521162-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	357297	12/07/24	12/07/24	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
n-Butylbenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	357297	12/07/24	12/07/24	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Naphthalene	ND		ug/L	5.0	0.3	1	357297	12/07/24	12/07/24	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	357297	12/07/24	12/07/24	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	357297	12/07/24	12/07/24	YAH
Xylene (total)	ND		ug/L	5.0		1	357297	12/07/24	12/07/24	YAH
Surrogates	Limits									
Dibromofluoromethane	104%		%REC	70-130		1	357297	12/07/24	12/07/24	YAH
1,2-Dichloroethane-d4	107%		%REC	70-130		1	357297	12/07/24	12/07/24	YAH
Toluene-d8	99%		%REC	70-130		1	357297	12/07/24	12/07/24	YAH
Bromofluorobenzene	96%		%REC	70-130		1	357297	12/07/24	12/07/24	YAH

Analysis Results for 521162

Sample ID: QCTB
Lab ID: 521162-008
Collected: 11/25/24
Matrix: Water

521162-008 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	0.4	1	357288	12/07/24	12/07/24	YAH
Freon 12	ND		ug/L	5.0	0.09	1	357288	12/07/24	12/07/24	YAH
Chloromethane	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Vinyl Chloride	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Bromomethane	ND		ug/L	5.0	0.3	1	357288	12/07/24	12/07/24	YAH
Chloroethane	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Acetone	ND		ug/L	100	44	1	357288	12/07/24	12/07/24	YAH
Freon 113	ND		ug/L	5.0	0.08	1	357288	12/07/24	12/07/24	YAH
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Methylene Chloride	ND		ug/L	5.0	3.7	1	357288	12/07/24	12/07/24	YAH
MTBE	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	357288	12/07/24	12/07/24	YAH
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	357288	12/07/24	12/07/24	YAH
2-Butanone	ND		ug/L	100	2.3	1	357288	12/07/24	12/07/24	YAH
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Chloroform	0.5	J	ug/L	5.0	0.08	1	357288	12/07/24	12/07/24	YAH
Bromochloromethane	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	357288	12/07/24	12/07/24	YAH
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	357288	12/07/24	12/07/24	YAH
Benzene	ND		ug/L	5.0	0.08	1	357288	12/07/24	12/07/24	YAH
Trichloroethene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Bromodichloromethane	ND		ug/L	5.0	0.06	1	357288	12/07/24	12/07/24	YAH
Dibromomethane	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	357288	12/07/24	12/07/24	YAH
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	357288	12/07/24	12/07/24	YAH
Toluene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	357288	12/07/24	12/07/24	YAH
Tetrachloroethene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Dibromochloromethane	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Chlorobenzene	ND		ug/L	5.0	0.3	1	357288	12/07/24	12/07/24	YAH
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	357288	12/07/24	12/07/24	YAH
Ethylbenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
m,p-Xylenes	ND		ug/L	10	0.2	1	357288	12/07/24	12/07/24	YAH
o-Xylene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Styrene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Bromoform	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Isopropylbenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH

Analysis Results for 521162

521162-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Propylbenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Bromobenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
n-Butylbenzene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	357288	12/07/24	12/07/24	YAH
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	357288	12/07/24	12/07/24	YAH
Naphthalene	ND		ug/L	5.0	0.4	1	357288	12/07/24	12/07/24	YAH
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	357288	12/07/24	12/07/24	YAH
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357288	12/07/24	12/07/24	YAH
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	357288	12/07/24	12/07/24	YAH
Xylene (total)	ND		ug/L	5.0		1	357288	12/07/24	12/07/24	YAH
Surrogates	Limits									
Dibromofluoromethane	99%		%REC	70-130		1	357288	12/07/24	12/07/24	YAH
1,2-Dichloroethane-d4	93%		%REC	70-130		1	357288	12/07/24	12/07/24	YAH
Toluene-d8	103%		%REC	70-130		1	357288	12/07/24	12/07/24	YAH
Bromofluorobenzene	110%		%REC	70-130		1	357288	12/07/24	12/07/24	YAH

H Holding time was exceeded
J Estimated value
ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1208155	Batch: 356618
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1208155 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.040	11/27/24 13:43	11/27/24 18:30
Chloride	ND		mg/L	1.0	0.20	11/27/24 13:43	11/27/24 18:30
Bromide	ND		mg/L	0.30	0.065	11/27/24 13:43	11/27/24 18:30
Nitrogen, Nitrate	ND		mg/L	0.10	0.06	11/27/24 13:43	11/27/24 18:30
Sulfate	ND		mg/L	1.0	0.34	11/27/24 13:43	11/27/24 18:30

Type: Lab Control Sample	Lab ID: QC1208156	Batch: 356618
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1208156 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.916	10.00	mg/L	99%		90-110
Chloride	47.66	50.00	mg/L	95%		90-110
Bromide	14.76	15.00	mg/L	98%		90-110
Nitrogen, Nitrate	4.459	4.518	mg/L	99%		90-110
Sulfate	24.48	25.00	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC1208157	Batch: 356618
Matrix (Source ID): Water (521226-002)	Method: EPA 300.0	Prep Method: METHOD

QC1208157 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.84	0.06901	20.00	mg/L	104%		80-120	1
Chloride	161.9	64.53	100.0	mg/L	97%		80-120	1
Bromide	15.52	0.09164	15.00	mg/L	103%		80-120	1
Nitrogen, Nitrate	13.65	4.840	9.036	mg/L	97%		80-120	1
Sulfate	74.97	26.49	50.00	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1208158	Batch: 356618
Matrix (Source ID): Water (521226-002)	Method: EPA 300.0	Prep Method: METHOD

QC1208158 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.23	0.06901	20.00	mg/L	106%		80-120	2	20	1
Chloride	163.5	64.53	100.0	mg/L	99%		80-120	1	20	1
Bromide	15.83	0.09164	15.00	mg/L	105%		80-120	2	20	1
Nitrogen, Nitrate	13.79	4.840	9.036	mg/L	99%		80-120	1	20	1
Sulfate	75.91	26.49	50.00	mg/L	99%		80-120	1	20	1

Batch QC

Type: Matrix Spike	Lab ID: QC1208159	Batch: 356618
Matrix (Source ID): Water (521276-002)	Method: EPA 300.0	Prep Method: METHOD

QC1208159 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.85	0.1125	20.00	mg/L	104%		80-120	1
Chloride	106.7	6.333	100.0	mg/L	100%		80-120	1
Bromide	15.48	ND	15.00	mg/L	103%		80-120	1
Nitrogen, Nitrate	9.330	0.3707	9.036	mg/L	99%		80-120	1
Sulfate	54.21	5.299	50.00	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1208160	Batch: 356618
Matrix (Source ID): Water (521276-002)	Method: EPA 300.0	Prep Method: METHOD

QC1208160 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.21	0.1125	20.00	mg/L	105%		80-120	2	20	1
Chloride	108.5	6.333	100.0	mg/L	102%		80-120	2	20	1
Bromide	15.69	ND	15.00	mg/L	105%		80-120	1	20	1
Nitrogen, Nitrate	9.497	0.3707	9.036	mg/L	101%		80-120	2	20	1
Sulfate	55.11	5.299	50.00	mg/L	100%		80-120	2	20	1

Type: Blank	Lab ID: QC1208779	Batch: 356807
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1208779 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.031	12/02/24 16:30	12/02/24 18:16
Chloride	ND		mg/L	1.0	0.27	12/02/24 16:30	12/02/24 18:16
Bromide	ND		mg/L	0.30	0.060	12/02/24 16:30	12/02/24 18:16
Nitrogen, Nitrate	ND		mg/L	0.10	0.04	12/02/24 16:30	12/02/24 18:16

Type: Lab Control Sample	Lab ID: QC1208780	Batch: 356807
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1208780 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.300	10.00	mg/L	93%		90-110
Chloride	48.88	50.00	mg/L	98%		90-110
Bromide	15.20	15.00	mg/L	101%		90-110
Nitrogen, Nitrate	4.541	4.518	mg/L	101%		90-110

Batch QC

Type: Matrix Spike	Lab ID: QC1208781	Batch: 356807
Matrix (Source ID): Water (521162-001)	Method: EPA 300.0	Prep Method: METHOD

QC1208781 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.89	0.08657	20.00	mg/L	99%		80-120	1
Chloride	172.7	74.75	100.0	mg/L	98%		80-120	1
Bromide	15.93	0.1568	15.00	mg/L	105%		80-120	1
Nitrogen, Nitrate	9.214	0.1803	9.036	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1208782	Batch: 356807
Matrix (Source ID): Water (521162-001)	Method: EPA 300.0	Prep Method: METHOD

QC1208782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.15	0.08657	20.00	mg/L	100%		80-120	1	20	1
Chloride	173.7	74.75	100.0	mg/L	99%		80-120	1	20	1
Bromide	16.17	0.1568	15.00	mg/L	107%		80-120	2	20	1
Nitrogen, Nitrate	9.313	0.1803	9.036	mg/L	101%		80-120	1	20	1

Type: Blank	Lab ID: QC1207780	Batch: 356545
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC1207780 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.081	11/26/24 18:00	11/26/24 18:13
Chloride	ND		mg/L	1.0	0.20	11/26/24 18:00	11/26/24 18:13
Bromide	ND		mg/L	0.30	0.077	11/26/24 18:00	11/26/24 18:13
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	11/26/24 18:00	11/26/24 18:13
Sulfate	ND		mg/L	1.0	0.20	11/26/24 18:00	11/26/24 18:13

Type: Lab Control Sample	Lab ID: QC1207781	Batch: 356545
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC1207781 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.722	10.00	mg/L	97%		90-110
Chloride	48.27	50.00	mg/L	97%		90-110
Bromide	15.01	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.508	4.518	mg/L	100%		90-110
Sulfate	24.69	25.00	mg/L	99%		90-110

Batch QC

Type: Matrix Spike	Lab ID: QC1207782	Batch: 356545
Matrix (Source ID): Drinking Water (521284-001)	Method: EPA 300.0	Prep Method: METHOD

QC1207782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.08	0.2346	20.00	mg/L	99%		80-120	1
Chloride	134.7	34.88	100.0	mg/L	100%		80-120	1
Bromide	15.24	ND	15.00	mg/L	102%		80-120	1
Nitrogen, Nitrate	10.94	1.848	9.036	mg/L	101%		80-120	1
Sulfate	77.92	29.27	50.00	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1207783	Batch: 356545
Matrix (Source ID): Drinking Water (521284-001)	Method: EPA 300.0	Prep Method: METHOD

QC1207783 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.52	0.2346	20.00	mg/L	101%		80-120	2	20	1
Chloride	136.7	34.88	100.0	mg/L	102%		80-120	1	20	1
Bromide	15.55	ND	15.00	mg/L	104%		80-120	2	20	1
Nitrogen, Nitrate	11.13	1.848	9.036	mg/L	103%		80-120	2	20	1
Sulfate	78.98	29.27	50.00	mg/L	99%		80-120	1	20	1

Type: Matrix Spike	Lab ID: QC1207827	Batch: 356545
Matrix (Source ID): Drinking Water (521294-001)	Method: EPA 300.0	Prep Method: METHOD

QC1207827 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.05	0.5385	20.00	mg/L	103%		80-120	1
Chloride	173.8	77.04	100.0	mg/L	97%		80-120	1
Bromide	15.79	0.3042	15.00	mg/L	103%		80-120	1
Nitrogen, Nitrate	9.164	ND	9.036	mg/L	101%		80-120	1
Sulfate	64.49	14.35	50.00	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1207828	Batch: 356545
Matrix (Source ID): Drinking Water (521294-001)	Method: EPA 300.0	Prep Method: METHOD

QC1207828 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.09	0.5385	20.00	mg/L	103%		80-120	0	20	1
Chloride	174.4	77.04	100.0	mg/L	97%		80-120	0	20	1
Bromide	15.82	0.3042	15.00	mg/L	103%		80-120	0	20	1
Nitrogen, Nitrate	9.205	ND	9.036	mg/L	102%		80-120	0	20	1
Sulfate	64.61	14.35	50.00	mg/L	101%		80-120	0	20	1

Batch QC

Type: Lab Control Sample	Lab ID: QC1210352	Batch: 357295
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1210352 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9189	1.000	mg/L	92%		90-110

Type: Blank	Lab ID: QC1210353	Batch: 357295
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1210353 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.034	12/07/24	12/09/24

Type: Matrix Spike	Lab ID: QC1210438	Batch: 357295
Matrix (Source ID): Water (521162-001)	Method: EPA 350.1	Prep Method: METHOD

QC1210438 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.096	0.1465	1.000	mg/L	95%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1210439	Batch: 357295
Matrix (Source ID): Water (521162-001)	Method: EPA 350.1	Prep Method: METHOD

QC1210439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.094	0.1465	1.000	mg/L	95%		90-110	0	20	1

Type: Matrix Spike	Lab ID: QC1210440	Batch: 357295
Matrix (Source ID): Water (521162-002)	Method: EPA 350.1	Prep Method: METHOD

QC1210440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9842	ND	1.000	mg/L	98%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1210441	Batch: 357295
Matrix (Source ID): Water (521162-002)	Method: EPA 350.1	Prep Method: METHOD

QC1210441 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9788	ND	1.000	mg/L	98%		90-110	1	20	1

Type: Blank	Lab ID: QC1208337	Batch: 356695
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1208337 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	11/29/24	11/29/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1208338	Batch: 356695
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1208338 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	102.0	100.0	mg/L	102%		90-110

Type: Matrix Spike	Lab ID: QC1208339	Batch: 356695
Matrix (Source ID): Water (520670-001)	Method: EPA 410.4	Prep Method: METHOD

QC1208339 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	98.00	ND	100.0	mg/L	98%		77-120	2

Type: Matrix Spike Duplicate	Lab ID: QC1208340	Batch: 356695
Matrix (Source ID): Water (520670-001)	Method: EPA 410.4	Prep Method: METHOD

QC1208340 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Chemical Oxygen Demand	100.0	ND	100.0	mg/L	100%		77-120	2	20	2

Type: Matrix Spike	Lab ID: QC1208341	Batch: 356695
Matrix (Source ID): Water (520670-002)	Method: EPA 410.4	Prep Method: METHOD

QC1208341 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	106.0	ND	100.0	mg/L	106%		77-120	2

Type: Matrix Spike Duplicate	Lab ID: QC1208342	Batch: 356695
Matrix (Source ID): Water (520670-002)	Method: EPA 410.4	Prep Method: METHOD

QC1208342 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Chemical Oxygen Demand	102.0	ND	100.0	mg/L	102%		77-120	4	20	2

Type: Blank	Lab ID: QC1208109	Batch: 356633
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1208109 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.013	11/27/24	11/27/24
Calcium	ND		mg/L	0.47	0.47	11/27/24	11/27/24
Iron	ND		mg/L	0.068	0.068	11/27/24	11/27/24
Magnesium	ND		mg/L	0.10	0.088	11/27/24	11/27/24
Manganese	ND		mg/L	0.010	0.0015	11/27/24	11/27/24
Potassium	ND		mg/L	0.50	0.43	11/27/24	11/27/24
Sodium	ND		mg/L	0.50	0.50	11/27/24	11/27/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1208110	Batch: 356633
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1208110 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3485	0.4000	mg/L	87%		80-120
Calcium	19.39	20.40	mg/L	95%		80-120
Iron	0.3726	0.4000	mg/L	93%		80-120
Magnesium	19.45	20.40	mg/L	95%		80-120
Manganese	0.3679	0.4000	mg/L	92%		80-120
Potassium	21.74	24.00	mg/L	91%		80-120
Sodium	17.72	20.40	mg/L	87%		80-120

Type: Matrix Spike	Lab ID: QC1208111	Batch: 356633
Matrix (Source ID): Water (521162-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1208111 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6536	0.3036	0.4000	mg/L	87%		75-125	1
Calcium	74.66	56.31	20.40	mg/L	90%		75-125	1
Iron	0.3936	ND	0.4000	mg/L	98%		75-125	1
Magnesium	25.19	7.912	20.40	mg/L	85%		75-125	1
Manganese	0.5140	0.1474	0.4000	mg/L	92%		75-125	1
Potassium	24.08	1.738	24.00	mg/L	93%		75-125	1
Sodium	221.4	206.1	20.40	mg/L	75%	NM	75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1208112	Batch: 356633
Matrix (Source ID): Water (521162-004)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1208112 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6573	0.3036	0.4000	mg/L	88%		75-125	1	20	1
Calcium	74.53	56.31	20.40	mg/L	89%		75-125	0	20	1
Iron	0.4022	ND	0.4000	mg/L	101%		75-125	2	20	1
Magnesium	25.36	7.912	20.40	mg/L	86%		75-125	1	20	1
Manganese	0.5088	0.1474	0.4000	mg/L	90%		75-125	1	20	1
Potassium	24.24	1.738	24.00	mg/L	94%		75-125	1	20	1
Sodium	221.0	206.1	20.40	mg/L	73%	NM	75-125	0	20	1

Batch QC

Type: Blank	Lab ID: QC1209930	Batch: 357173
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1209930 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.4	12/06/24	12/06/24
Freon 12	ND		ug/L	5.0	0.09	12/06/24	12/06/24
Chloromethane	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Vinyl Chloride	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Bromomethane	ND		ug/L	5.0	0.3	12/06/24	12/06/24
Chloroethane	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Trichlorofluoromethane	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Acetone	ND		ug/L	100	44	12/06/24	12/06/24
Freon 113	ND		ug/L	5.0	0.08	12/06/24	12/06/24
1,1-Dichloroethene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Methylene Chloride	ND		ug/L	5.0	3.7	12/06/24	12/06/24
MTBE	ND		ug/L	5.0	0.1	12/06/24	12/06/24
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	12/06/24	12/06/24
1,1-Dichloroethane	ND		ug/L	5.0	0.06	12/06/24	12/06/24
2-Butanone	ND		ug/L	100	2.3	12/06/24	12/06/24
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
2,2-Dichloropropane	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Chloroform	ND		ug/L	5.0	0.08	12/06/24	12/06/24
Bromochloromethane	ND		ug/L	5.0	0.2	12/06/24	12/06/24
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,1-Dichloropropene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Carbon Tetrachloride	ND		ug/L	5.0	0.05	12/06/24	12/06/24
1,2-Dichloroethane	ND		ug/L	5.0	0.06	12/06/24	12/06/24
Benzene	ND		ug/L	5.0	0.08	12/06/24	12/06/24
Trichloroethene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,2-Dichloropropane	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Bromodichloromethane	ND		ug/L	5.0	0.06	12/06/24	12/06/24
Dibromomethane	ND		ug/L	5.0	0.1	12/06/24	12/06/24
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	12/06/24	12/06/24
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	12/06/24	12/06/24
Toluene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	12/06/24	12/06/24
1,3-Dichloropropane	ND		ug/L	5.0	0.09	12/06/24	12/06/24
Tetrachloroethene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Dibromochloromethane	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,2-Dibromoethane	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Chlorobenzene	ND		ug/L	5.0	0.3	12/06/24	12/06/24
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	12/06/24	12/06/24
Ethylbenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
m,p-Xylenes	ND		ug/L	10	0.2	12/06/24	12/06/24
o-Xylene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Styrene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Bromoform	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Isopropylbenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	12/06/24	12/06/24

Batch QC

QC1209930 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Bromobenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
2-Chlorotoluene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
4-Chlorotoluene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
tert-Butylbenzene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
sec-Butylbenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
n-Butylbenzene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	12/06/24	12/06/24
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
Hexachlorobutadiene	ND		ug/L	5.0	0.1	12/06/24	12/06/24
Naphthalene	ND		ug/L	5.0	0.4	12/06/24	12/06/24
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	12/06/24	12/06/24
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	12/06/24	12/06/24
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	12/06/24	12/06/24
Xylene (total)	ND		ug/L	5.0		12/06/24	12/06/24
Surrogates				Limits			
Dibromofluoromethane	94%		%REC	70-130		12/06/24	12/06/24
1,2-Dichloroethane-d4	92%		%REC	70-130		12/06/24	12/06/24
Toluene-d8	102%		%REC	70-130		12/06/24	12/06/24
Bromofluorobenzene	104%		%REC	70-130		12/06/24	12/06/24

Type: Matrix Spike	Lab ID: QC1210151	Batch: 357173
Matrix (Source ID): Water (521298-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210151 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	49.06	ND	50.00	ug/L	98%		70-130	1
MTBE	52.56	ND	50.00	ug/L	105%		75-130	1
Benzene	49.70	ND	50.00	ug/L	99%		70-130	1
Trichloroethene	49.15	ND	50.00	ug/L	98%		63-130	1
Toluene	49.86	ND	50.00	ug/L	100%		70-130	1
Chlorobenzene	48.54	ND	50.00	ug/L	97%		70-130	1
Surrogates								
Dibromofluoromethane	49.27		50.00	ug/L	99%		70-130	1
1,2-Dichloroethane-d4	46.43		50.00	ug/L	93%		70-130	1
Toluene-d8	50.73		50.00	ug/L	101%		70-130	1
Bromofluorobenzene	51.16		50.00	ug/L	102%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1210152	Batch: 357173
Matrix (Source ID): Water (521298-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210152 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	49.38	ND	50.00	ug/L	99%		70-130	1	30	1
MTBE	56.99	ND	50.00	ug/L	114%		75-130	8	30	1
Benzene	51.19	ND	50.00	ug/L	102%		70-130	3	30	1
Trichloroethene	51.10	ND	50.00	ug/L	102%		63-130	4	30	1
Toluene	52.19	ND	50.00	ug/L	104%		70-130	5	30	1
Chlorobenzene	51.39	ND	50.00	ug/L	103%		70-130	6	30	1
Surrogates										
Dibromofluoromethane	48.69		50.00	ug/L	97%		70-130			1
1,2-Dichloroethane-d4	48.28		50.00	ug/L	97%		70-130			1
Toluene-d8	50.68		50.00	ug/L	101%		70-130			1
Bromofluorobenzene	49.82		50.00	ug/L	100%		70-130			1

Type: Lab Control Sample	Lab ID: QC1210209	Batch: 357173
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210209 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	47.27	50.00	ug/L	95%		70-135
MTBE	52.17	50.00	ug/L	104%		70-130
Benzene	47.84	50.00	ug/L	96%		70-130
Trichloroethene	49.45	50.00	ug/L	99%		70-130
Toluene	49.47	50.00	ug/L	99%		70-130
Chlorobenzene	48.87	50.00	ug/L	98%		70-130
Surrogates						
Dibromofluoromethane	47.69	50.00	ug/L	95%		70-130
1,2-Dichloroethane-d4	44.97	50.00	ug/L	90%		70-130
Toluene-d8	51.04	50.00	ug/L	102%		70-130
Bromofluorobenzene	49.67	50.00	ug/L	99%		70-130

Type: Lab Control Sample	Lab ID: QC1210317	Batch: 357288
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210317 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	41.54	50.00	ug/L	83%		70-135
MTBE	49.81	50.00	ug/L	100%		70-130
Benzene	44.17	50.00	ug/L	88%		70-130
Trichloroethene	44.49	50.00	ug/L	89%		70-130
Toluene	45.30	50.00	ug/L	91%		70-130
Chlorobenzene	45.10	50.00	ug/L	90%		70-130
Surrogates						
Dibromofluoromethane	48.07	50.00	ug/L	96%		70-130
1,2-Dichloroethane-d4	45.54	50.00	ug/L	91%		70-130
Toluene-d8	51.36	50.00	ug/L	103%		70-130
Bromofluorobenzene	48.35	50.00	ug/L	97%		70-130

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1210318	Batch: 357288
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210318 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	37.97	50.00	ug/L	76%		70-135	9	30
MTBE	45.95	50.00	ug/L	92%		70-130	8	30
Benzene	40.32	50.00	ug/L	81%		70-130	9	30
Trichloroethene	41.47	50.00	ug/L	83%		70-130	7	30
Toluene	42.06	50.00	ug/L	84%		70-130	7	30
Chlorobenzene	42.50	50.00	ug/L	85%		70-130	6	30
Surrogates								
Dibromofluoromethane	46.30	50.00	ug/L	93%		70-130		
1,2-Dichloroethane-d4	43.55	50.00	ug/L	87%		70-130		
Toluene-d8	51.68	50.00	ug/L	103%		70-130		
Bromofluorobenzene	49.27	50.00	ug/L	99%		70-130		

Batch QC

Type: Blank	Lab ID: QC1210322	Batch: 357288
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210322 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.4	12/07/24	12/07/24
Freon 12	ND		ug/L	5.0	0.09	12/07/24	12/07/24
Chloromethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Vinyl Chloride	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Bromomethane	ND		ug/L	5.0	0.3	12/07/24	12/07/24
Chloroethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Trichlorofluoromethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Acetone	ND		ug/L	100	44	12/07/24	12/07/24
Freon 113	ND		ug/L	5.0	0.08	12/07/24	12/07/24
1,1-Dichloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Methylene Chloride	ND		ug/L	5.0	3.7	12/07/24	12/07/24
MTBE	ND		ug/L	5.0	0.1	12/07/24	12/07/24
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	12/07/24	12/07/24
1,1-Dichloroethane	ND		ug/L	5.0	0.06	12/07/24	12/07/24
2-Butanone	ND		ug/L	100	2.3	12/07/24	12/07/24
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
2,2-Dichloropropane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Chloroform	ND		ug/L	5.0	0.08	12/07/24	12/07/24
Bromochloromethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,1-Dichloropropene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Carbon Tetrachloride	ND		ug/L	5.0	0.05	12/07/24	12/07/24
1,2-Dichloroethane	0.07	J	ug/L	5.0	0.06	12/07/24	12/07/24
Benzene	ND		ug/L	5.0	0.08	12/07/24	12/07/24
Trichloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dichloropropane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Bromodichloromethane	ND		ug/L	5.0	0.06	12/07/24	12/07/24
Dibromomethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	12/07/24	12/07/24
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	12/07/24	12/07/24
Toluene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
1,3-Dichloropropane	ND		ug/L	5.0	0.09	12/07/24	12/07/24
Tetrachloroethene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Dibromochloromethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dibromoethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Chlorobenzene	ND		ug/L	5.0	0.3	12/07/24	12/07/24
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	12/07/24	12/07/24
Ethylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
m,p-Xylenes	ND		ug/L	10	0.2	12/07/24	12/07/24
o-Xylene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Styrene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Bromoform	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Isopropylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	12/07/24	12/07/24

Batch QC

QC1210322 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Bromobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
2-Chlorotoluene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
4-Chlorotoluene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
tert-Butylbenzene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
sec-Butylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
n-Butylbenzene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	12/07/24	12/07/24
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Hexachlorobutadiene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Naphthalene	ND		ug/L	5.0	0.4	12/07/24	12/07/24
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	12/07/24	12/07/24
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	12/07/24	12/07/24
Xylene (total)	ND		ug/L	5.0		12/07/24	12/07/24
Surrogates	Limits						
Dibromofluoromethane	96%		%REC	70-130		12/07/24	12/07/24
1,2-Dichloroethane-d4	93%		%REC	70-130		12/07/24	12/07/24
Toluene-d8	102%		%REC	70-130		12/07/24	12/07/24
Bromofluorobenzene	102%		%REC	70-130		12/07/24	12/07/24

Type: Matrix Spike	Lab ID: QC1210397	Batch: 357288
Matrix (Source ID): Water (521472-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210397 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	46.45	ND	50.00	ug/L	93%		70-130	1
MTBE	50.12	ND	50.00	ug/L	100%		75-130	1
Benzene	47.88	ND	50.00	ug/L	96%		70-130	1
Trichloroethene	47.99	ND	50.00	ug/L	96%		63-130	1
Toluene	48.09	ND	50.00	ug/L	96%		70-130	1
Chlorobenzene	47.93	ND	50.00	ug/L	96%		70-130	1
Surrogates								
Dibromofluoromethane	50.37		50.00	ug/L	101%		70-130	1
1,2-Dichloroethane-d4	48.19		50.00	ug/L	96%		70-130	1
Toluene-d8	50.07		50.00	ug/L	100%		70-130	1
Bromofluorobenzene	48.63		50.00	ug/L	97%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1210398	Batch: 357288
Matrix (Source ID): Water (521472-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210398 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	47.44	ND	50.00	ug/L	95%		70-130	2	30	1
MTBE	51.33	ND	50.00	ug/L	103%		75-130	2	30	1
Benzene	48.88	ND	50.00	ug/L	98%		70-130	2	30	1
Trichloroethene	49.39	ND	50.00	ug/L	99%		63-130	3	30	1
Toluene	49.02	ND	50.00	ug/L	98%		70-130	2	30	1
Chlorobenzene	48.87	ND	50.00	ug/L	98%		70-130	2	30	1
Surrogates										
Dibromofluoromethane	48.99		50.00	ug/L	98%		70-130			1
1,2-Dichloroethane-d4	49.50		50.00	ug/L	99%		70-130			1
Toluene-d8	49.43		50.00	ug/L	99%		70-130			1
Bromofluorobenzene	49.36		50.00	ug/L	99%		70-130			1

Type: Lab Control Sample	Lab ID: QC1210358	Batch: 357297
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210358 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	45.15	50.00	ug/L	90%		70-135
MTBE	47.08	50.00	ug/L	94%		70-130
Benzene	46.90	50.00	ug/L	94%		70-130
Trichloroethene	48.31	50.00	ug/L	97%		70-130
Toluene	47.26	50.00	ug/L	95%		70-130
Chlorobenzene	47.77	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	47.46	50.00	ug/L	95%		70-130
1,2-Dichloroethane-d4	51.85	50.00	ug/L	104%		70-130
Toluene-d8	51.23	50.00	ug/L	102%		70-130
Bromofluorobenzene	50.13	50.00	ug/L	100%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1210359	Batch: 357297
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210359 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.91	50.00	ug/L	90%		70-135	1	30
MTBE	46.88	50.00	ug/L	94%		70-130	0	30
Benzene	47.15	50.00	ug/L	94%		70-130	1	30
Trichloroethene	48.63	50.00	ug/L	97%		70-130	1	30
Toluene	47.29	50.00	ug/L	95%		70-130	0	30
Chlorobenzene	47.23	50.00	ug/L	94%		70-130	1	30
Surrogates								
Dibromofluoromethane	48.20	50.00	ug/L	96%		70-130		
1,2-Dichloroethane-d4	52.63	50.00	ug/L	105%		70-130		
Toluene-d8	50.03	50.00	ug/L	100%		70-130		
Bromofluorobenzene	50.81	50.00	ug/L	102%		70-130		

Batch QC

Type: Blank	Lab ID: QC1210363	Batch: 357297
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210363 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.6	12/07/24	12/07/24
Freon 12	ND		ug/L	5.0	0.3	12/07/24	12/07/24
Chloromethane	ND		ug/L	5.0	0.4	12/07/24	12/07/24
Vinyl Chloride	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Bromomethane	ND		ug/L	5.0	0.8	12/07/24	12/07/24
Chloroethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Trichlorofluoromethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Acetone	ND		ug/L	100	17	12/07/24	12/07/24
Freon 113	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,1-Dichloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Methylene Chloride	ND		ug/L	5.0	3.5	12/07/24	12/07/24
MTBE	ND		ug/L	5.0	0.1	12/07/24	12/07/24
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,1-Dichloroethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
2-Butanone	ND		ug/L	100	2.0	12/07/24	12/07/24
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
2,2-Dichloropropane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Chloroform	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Bromochloromethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,1-Dichloropropene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Carbon Tetrachloride	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dichloroethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Benzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Trichloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dichloropropane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Bromodichloromethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Dibromomethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	12/07/24	12/07/24
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Toluene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
1,3-Dichloropropane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Tetrachloroethene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Dibromochloromethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dibromoethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Chlorobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Ethylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
m,p-Xylenes	ND		ug/L	10	0.2	12/07/24	12/07/24
o-Xylene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Styrene	ND		ug/L	5.0	0.08	12/07/24	12/07/24
Bromoform	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Isopropylbenzene	ND		ug/L	5.0	0.09	12/07/24	12/07/24
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	12/07/24	12/07/24

Batch QC

QC1210363 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
Bromobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
2-Chlorotoluene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
4-Chlorotoluene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
tert-Butylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
sec-Butylbenzene	ND		ug/L	5.0	0.08	12/07/24	12/07/24
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
n-Butylbenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	12/07/24	12/07/24
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Hexachlorobutadiene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Naphthalene	ND		ug/L	5.0	0.3	12/07/24	12/07/24
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	12/07/24	12/07/24
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	12/07/24	12/07/24
Xylene (total)	ND		ug/L	5.0		12/07/24	12/07/24
Surrogates	Limits						
Dibromofluoromethane	101%		%REC	70-130		12/07/24	12/07/24
1,2-Dichloroethane-d4	106%		%REC	70-130		12/07/24	12/07/24
Toluene-d8	99%		%REC	70-130		12/07/24	12/07/24
Bromofluorobenzene	101%		%REC	70-130		12/07/24	12/07/24

Type: Matrix Spike	Lab ID: QC1210408	Batch: 357297
Matrix (Source ID): Water (521823-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210408 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	207.7	ND	250.0	ug/L	83%		70-130	5
MTBE	208.9	ND	250.0	ug/L	84%		75-130	5
Benzene	242.9	35.32	250.0	ug/L	83%		70-130	5
Trichloroethene	217.5	ND	250.0	ug/L	87%		63-130	5
Toluene	387.5	192.2	250.0	ug/L	78%		70-130	5
Chlorobenzene	216.8	2.857	250.0	ug/L	86%		70-130	5
Surrogates								
Dibromofluoromethane	244.8		250.0	ug/L	98%		70-130	5
1,2-Dichloroethane-d4	240.8		250.0	ug/L	96%		70-130	5
Toluene-d8	249.7		250.0	ug/L	100%		70-130	5
Bromofluorobenzene	257.4		250.0	ug/L	103%		70-130	5

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1210409	Batch: 357297
Matrix (Source ID): Water (521823-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1210409 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	194.1	ND	250.0	ug/L	78%		70-130	7	30	5
MTBE	208.4	ND	250.0	ug/L	83%		75-130	0	30	5
Benzene	240.5	35.32	250.0	ug/L	82%		70-130	1	30	5
Trichloroethene	211.5	ND	250.0	ug/L	85%		63-130	3	30	5
Toluene	382.3	192.2	250.0	ug/L	76%		70-130	1	30	5
Chlorobenzene	217.7	2.857	250.0	ug/L	86%		70-130	0	30	5
Surrogates										
Dibromofluoromethane	240.7		250.0	ug/L	96%		70-130			5
1,2-Dichloroethane-d4	262.4		250.0	ug/L	105%		70-130			5
Toluene-d8	252.0		250.0	ug/L	101%		70-130			5
Bromofluorobenzene	265.2		250.0	ug/L	106%		70-130			5

Type: Blank	Lab ID: QC1207681	Batch: 356495
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1207681 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	11/26/24	11/27/24
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		11/26/24	11/27/24

Type: Lab Control Sample	Lab ID: QC1207682	Batch: 356495
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1207682 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	10.35	10.00	ug/L	103%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.41	10.00	ug/L	104%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1207683	Batch: 356495
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1207683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	10.32	10.00	ug/L	103%		80-120	0	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.29	10.00	ug/L	103%		80-120		

Type: Blank	Lab ID: QC1208100	Batch: 356629
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1208100 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		11/27/24	11/27/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1208101	Batch: 356629
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1208101 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1208102	Batch: 356629
Matrix (Source ID): Water (520962-012)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1208102 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1208103	Batch: 356629
Matrix (Source ID): Water (520962-012)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1208103 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank	Lab ID: QC1210226	Batch: 357264
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1210226 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.24	12/06/24	12/06/24

Type: Lab Control Sample	Lab ID: QC1210227	Batch: 357264
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1210227 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	27.17	25.00	mg/L	109%		80-120

Type: Matrix Spike	Lab ID: QC1210228	Batch: 357264
Matrix (Source ID): Water (521162-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1210228 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	32.69	4.361	25.00	mg/L	113%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1210229	Batch: 357264
Matrix (Source ID): Water (521162-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1210229 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Total Organic Carbon	32.12	4.361	25.00	mg/L	111%		80-120	2	20	1

Batch QC

Type: Blank	Lab ID: QC1209829	Batch: 357150
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1209829 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO ₃	ND		mg/L	2.0		12/05/24	12/05/24
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		12/05/24	12/05/24

Type: Lab Control Sample	Lab ID: QC1209830	Batch: 357150
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1209830 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	1,035	1000	mg/L	104%		90-110

Type: Sample Duplicate	Lab ID: QC1210083	Batch: 357150
Matrix (Source ID): Water (521162-001)	Method: SM2320B	Prep Method: METHOD

QC1210083 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO ₃	214.5	212.4	mg/L		1	20	2.5
Alkalinity, Total as CaCO ₃	214.5	212.4	mg/L		1	20	2.5

Type: Blank	Lab ID: QC1208226	Batch: 356671
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1208226 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		11/29/24	11/30/24

Type: Lab Control Sample	Lab ID: QC1208227	Batch: 356671
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1208227 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	972.0	1000	mg/L	97%		90-110

Type: Sample Duplicate	Lab ID: QC1208228	Batch: 356671
Matrix (Source ID): Water (521162-001)	Method: SM2540C	Prep Method: METHOD

QC1208228 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,394	2414	mg/L		1	5	2

Type: Sample Duplicate	Lab ID: QC1208229	Batch: 356671
Matrix (Source ID): Water (521239-002)	Method: SM2540C	Prep Method: METHOD

QC1208229 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	798.0	764.0	mg/L		4	5	2

Batch QC

J Estimated value
ND Not Detected
NM Not Meaningful

Laboratory Job Number 521162

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2412064 A

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 058321

Project: EO-521162

Project Location:

Project Received: 12/03/2024

Analytical Report reviewed & approved for release on 12/18/2024 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: 2412064 A

Project: EO-521162

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: 2412064 A

Project: EO-521162

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

Analytical Qualifiers

H Sample was analyzed out of hold time



Analytical Report

Client: Enthalpy Analytical
Date Received: 12/03/2024 10:24
Date Prepared: 12/18/2024
Project: EO-521162

WorkOrder: 2412064
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-15	2412064-001B	Water	11/25/2024 08:13	GC26 1218240704.D	308078

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	16,000	H	500	500	10	12/18/2024 09:26

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2412064-002B	Water	11/25/2024 09:02	GC26 1218240705.D	308078

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	3200	H	500	500	10	12/18/2024 09:37

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-16	2412064-003B	Water	11/25/2024 10:02	GC26 1218240706.D	308078

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Carbon Dioxide	980	H	50	50	1	12/18/2024 10:08

Analyst(s): PRE

(Cont.)



Analytical Report

Client: Enthalpy Analytical
Date Received: 12/03/2024 10:24
Date Prepared: 12/18/2024
Project: EO-521162

WorkOrder: 2412064
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-29	2412064-004B	Water	11/25/2024 11:03	GC26 1218240707.D	308078

<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	7400	H	250	250	5	12/18/2024 10:46

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2412064-005B	Water	11/25/2024 12:00	GC26 1218240708.D	308078

<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	51,000	H	2500	2500	50	12/18/2024 11:13

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	2412064-006B	Water	11/25/2024 12:53	GC26 1218240709.D	308078

<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	2800	H	250	250	5	12/18/2024 11:50

Analyst(s): PRE



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 12/18/2024
Date Analyzed: 12/18/2024
Instrument: GC26
Matrix: Water
Project: EO-521162

WorkOrder: 2412064
BatchID: 308078
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-308078

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	160	160	187.2	86	88	70-130	2.10	30

McC Campbell Analytical, Inc.



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Pittsburg, CA 94565-1701
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CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2412064 **A**

ClientCode: ENO

☐ WaterTrax

☐ CLIP

☐ EDF

☐ 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: 058321
Project: EO-521162

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: 12/03/2024

Date Logged: 12/03/2024

Date Add-On: 12/11/2024

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2412064-001	DW-15	Water	11/25/2024 08:13	☐	B											
2412064-002	DW-30	Water	11/25/2024 09:02	☐	B											
2412064-003	DW-16	Water	11/25/2024 10:02	☐	B											
2412064-004	DW-29	Water	11/25/2024 11:03	☐	B											
2412064-005	DW-31	Water	11/25/2024 12:00	☐	B											
2412064-006	DW-1	Water	11/25/2024 12:53	☐	B											

Test Legend:

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

Prepared by: Emily Perez

Add-On Prepared By: Adrianna Cardoza

Comments: Added RSK CO2 STD 12/11/24.

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



McC Campbell Analytical, Inc.

"When Quality Counts"

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

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL

Project: EO-521162

Work Order: 2412064

Client Contact: Zach Barker

QC Level: LEVEL 2

Contact's Email zach.barker@enthalpy.com

Comments: Added RSK CO2 STD 12/11/24.

Date Logged: 12/3/2024

Date Add-On: 12/11/2024

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
001B	DW-15	Water	RSK175 (CO2)	1	VOA	☐	☐	☐	11/25/2024 8:13	5 days	12/18/2024	Present	☐	☐
002B	DW-30	Water	RSK175 (CO2)	1	VOA	☐	☐	☐	11/25/2024 9:02	5 days	12/18/2024	Present	☐	☐
003B	DW-16	Water	RSK175 (CO2)	1	VOA	☐	☐	☐	11/25/2024 10:02	5 days	12/18/2024	Present	☐	☐
004B	DW-29	Water	RSK175 (CO2)	1	VOA	☐	☐	☐	11/25/2024 11:03	5 days	12/18/2024	Present	☐	☐
005B	DW-31	Water	RSK175 (CO2)	1	VOA	☐	☐	☐	11/25/2024 12:00	5 days	12/18/2024	Present	☐	☐
006B	DW-1	Water	RSK175 (CO2)	1	VOA	☐	☐	☐	11/25/2024 12:53	5 days	12/18/2024	Present	☐	☐

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

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

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

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

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



Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:

McC Campbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 242515
PO #: PO-058321

Enthalpy Order: EO-521162

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-15	25-NOV-2024 08:13	521162-001	3 X	Water	RSK-175	
DW-30	25-NOV-2024 09:02	521162-002	3 X	Water	RSK-175	
DW-16	25-NOV-2024 10:02	521162-003	3 X	Water	RSK-175	
DW-29	25-NOV-2024 11:03	521162-004	3 X	Water	RSK-175	
DW-31	25-NOV-2024 12:00	521162-005	3 X	Water	RSK-175	
DW-1	25-NOV-2024 12:53	521162-006	3 X	Water	RSK-175	

Notes:	Relinquished By:	Received By:
	<i>Tina Kelly</i>	
	Date: 12/2/27	Date:
	Date:	<i>Emily R</i>
	Date:	Date: 12/3/24 10:24

GIS:562328225

- Added 12.11.24 -

1.3 net
1K45



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

enthalpy.com

Lab Job Number : 522564
Report Level : II
Report Date : 01/03/2025

Analytical Report *prepared for:*

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

Project: GW MONITORING

Authorized for release by:

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

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

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



Sample Summary

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

Lab Job #: 522564
Project No: GW MONITORING
Date Received: 12/17/24

Sample ID	Lab ID	Collected	Matrix
DW-30	522564-001	12/17/24 09:16	Water
DW-29	522564-002	12/17/24 10:11	Water
DW-31	522564-003	12/17/24 11:07	Water
DW-1	522564-004	12/17/24 11:59	Water
DW-3	522564-005	12/17/24 13:08	Water
QCFB	522564-006	12/17/24 11:09	Water
QCTB	522564-007	12/17/24 00:00	Water

Case Narrative

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

Lab Job Number: 522564
Project No: GW MONITORING
Date Received: 12/17/24

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 12/18/24. The samples were received cold and intact.

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):

- Total organic carbon was detected between the MDL and the RL in the method blank for batch 358471; this analyte was either not detected in samples at or above the RL, or detected at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 358354; affected data was qualified with "E".
- 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):

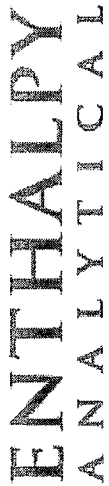
No analytical problems were encountered.

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

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.



931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

Fax:	Sampled By: Paul Chang
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Sampled By: Paul Chang

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ENTHALPY

Date Received: 12/17/24 WO# _____ Client: Chiquita Canyon C.R.

Are custody seals present? ☒ Yes ☐ No

Shipping Info: Client Drop Off at LA Service Center

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

Cooler Temp (°C) #1: 14.2/14.0 #2: 14.5/14.3 #3: / #4: / #5: / #6: /

☐ No microbiology samples submitted (skip 3b)

☐ 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

☐ PM notified

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

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 12/18/24 WO# 522564 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: _____

Section 3a: Condition / Packaging

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

Date Opened 12/18/24 By (Initials) Danny

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: IR12 CF: 40.2

Cooler Temp (°C) #1: 2.6/28 #2: 3.9/4.1 #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? <u>AES 12/18/24</u>	☒	☐	☐
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

☐ PM notified

Received extra set of TB not listed on the CoC.

Date Logged 12/17/24 By (print) AES (sign) [Signature]
Date Labeled 12/18/24 By (print) FA Orange (sign) _____

Analysis Results for 522564

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

Lab Job #: 522564
Project No: GW MONITORING
Date Received: 12/17/24

Sample ID: DW-30

Lab ID: 522564-001

Collected: 12/17/24 09:16

Matrix: Water

522564-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.81		mg/L	0.20	0.081	1	358354	12/18/24 18:11	12/18/24 22:06	AJL
Chloride	58		mg/L	1.0	0.20	1	358354	12/18/24 18:11	12/18/24 22:06	AJL
Bromide	0.14	J	mg/L	0.30	0.077	1	358354	12/18/24 18:11	12/18/24 22:06	AJL
Nitrogen, Nitrate	0.16		mg/L	0.10	0.03	1	358354	12/18/24 18:11	12/18/24 22:06	AJL
Sulfate	310		mg/L	10	2.0	10	358354	12/18/24 18:11	12/19/24 01:12	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.041	1	358970	12/28/24	12/30/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	358425	12/19/24	12/19/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.21		mg/L	0.050	0.0062	1	358390	12/19/24	12/19/24	SBW
Calcium	37		mg/L	0.57	0.57	1	358390	12/19/24	12/19/24	SBW
Iron	0.093		mg/L	0.041	0.041	1	358390	12/19/24	12/19/24	SBW
Magnesium	5.8		mg/L	0.10	0.025	1	358390	12/19/24	12/19/24	SBW
Manganese	0.058		mg/L	0.010	0.0029	1	358390	12/19/24	12/19/24	SBW
Potassium	1.7		mg/L	0.50	0.42	1	358390	12/19/24	12/19/24	SBW
Sodium	190		mg/L	0.50	0.34	1	358390	12/19/24	12/19/24	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	359075	12/29/24	12/29/24	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	359075	12/29/24	12/29/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	359075	12/29/24	12/29/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Acetone	ND		ug/L	100	16	1	359075	12/29/24	12/29/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	359075	12/29/24	12/29/24	LYZ
MTBE	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
2-Butanone	ND		ug/L	100	3.1	1	359075	12/29/24	12/29/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	359075	12/29/24	12/29/24	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ

Analysis Results for 522564

522564-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	359075	12/29/24	12/29/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	359075	12/29/24	12/29/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Benzene	ND		ug/L	5.0	0.09	1	359075	12/29/24	12/29/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	359075	12/29/24	12/29/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	359075	12/29/24	12/29/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Tetrachloroethene	0.2	J	ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	359075	12/29/24	12/29/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	359075	12/29/24	12/29/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Styrene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	359075	12/29/24	12/29/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	359075	12/29/24	12/29/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	359075	12/29/24	12/29/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	359075	12/29/24	12/29/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/29/24	12/29/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	359075	12/29/24	12/29/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	359075	12/29/24	12/29/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	359075	12/29/24	12/29/24	LYZ
Surrogates			Limits							
Dibromofluoromethane	101%		%REC	70-130		1	359075	12/29/24	12/29/24	LYZ

Analysis Results for 522564

522564-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	118%		%REC	70-130		1	359075	12/29/24	12/29/24	LYZ
Toluene-d8	101%		%REC	70-130		1	359075	12/29/24	12/29/24	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	359075	12/29/24	12/29/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

1,4-Dioxane	ND		ug/L	1.0	0.95	1	358435	12/19/24	12/21/24	XLY
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Surrogates

Limits

1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	358435	12/19/24	12/21/24	XLY
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Method: SM 4500-S2-D

Prep Method: METHOD

Sulfide	ND		mg/L	0.10		1	358551	12/20/24	12/20/24	EPL
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Method: SM 5310B

Prep Method: SM 5310B

Total Organic Carbon	0.56	B,J	mg/L	1.0	0.21	1	358471	12/19/24	12/28/24	EPL
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Method: SM2320B

Prep Method: METHOD

Alkalinity, Bicarbonate, as CaCO3	170		mg/L	5.0		2.5	358647	12/21/24	12/21/24	WWC
Alkalinity, Total as CaCO3	170		mg/L	5.0		2.5	358647	12/21/24	12/21/24	WWC

Method: SM2540C

Prep Method: METHOD

Total Dissolved Solids	790		mg/L	20		2	358623	12/23/24	12/24/24	DXA
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Analysis Results for 522564

Sample ID: DW-29
Lab ID: 522564-002
Collected: 12/17/24 10:11
Matrix: Water

522564-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.45		mg/L	0.20	0.081	1	358354	12/18/24 18:11	12/18/24 22:23	AJL
Chloride	85		mg/L	1.0	0.20	1	358354	12/18/24 18:11	12/18/24 22:23	AJL
Bromide	0.26	J	mg/L	0.30	0.077	1	358354	12/18/24 18:11	12/18/24 22:23	AJL
Nitrogen, Nitrate	2.7		mg/L	0.10	0.03	1	358354	12/18/24 18:11	12/18/24 22:23	AJL
Sulfate	380		mg/L	10	2.0	10	358354	12/18/24 18:11	12/19/24 01:29	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.041	1	358970	12/28/24	12/30/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	10		mg/L	4.0	1.6	1	358425	12/19/24	12/19/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.31		mg/L	0.050	0.0062	1	358390	12/19/24	12/19/24	SBW
Calcium	58		mg/L	0.57	0.57	1	358390	12/19/24	12/19/24	SBW
Iron	ND		mg/L	0.041	0.041	1	358390	12/19/24	12/19/24	SBW
Magnesium	8.0		mg/L	0.10	0.025	1	358390	12/19/24	12/19/24	SBW
Manganese	0.12		mg/L	0.010	0.0029	1	358390	12/19/24	12/19/24	SBW
Potassium	1.5		mg/L	0.50	0.42	1	358390	12/19/24	12/19/24	SBW
Sodium	230		mg/L	0.50	0.34	1	358390	12/19/24	12/19/24	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	359075	12/30/24	12/30/24	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	359075	12/30/24	12/30/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Acetone	ND		ug/L	100	16	1	359075	12/30/24	12/30/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	359075	12/30/24	12/30/24	LYZ
MTBE	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
2-Butanone	ND		ug/L	100	3.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ

Analysis Results for 522564

522564-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	359075	12/30/24	12/30/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	359075	12/30/24	12/30/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Styrene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	359075	12/30/24	12/30/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	359075	12/30/24	12/30/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	359075	12/30/24	12/30/24	LYZ
Surrogates			Limits							
Dibromofluoromethane	103%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane-d4	120%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Toluene-d8	102%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Bromofluorobenzene	94%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 522564

522564-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	358435	12/19/24	12/21/24	XLY
Surrogates	Limits									
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	358435	12/19/24	12/21/24	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	358551	12/20/24	12/20/24	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	3.8		mg/L	1.0	0.21	1	358471	12/19/24	12/28/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	230		mg/L	5.0	2.5	358647	12/21/24	12/21/24	12/21/24	WWC
Alkalinity, Total as CaCO3	230		mg/L	5.0	2.5	358647	12/21/24	12/21/24	12/21/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	850		mg/L	20		2	358623	12/23/24	12/24/24	DXA

Analysis Results for 522564

Sample ID: DW-31
Lab ID: 522564-003
Collected: 12/17/24 11:07
Matrix: Water

522564-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.23		mg/L	0.20	0.081	1	358354	12/18/24 18:11	12/18/24 22:40	AJL
Chloride	140		mg/L	1.0	0.20	1	358354	12/18/24 18:11	12/18/24 22:40	AJL
Bromide	0.68		mg/L	0.30	0.077	1	358354	12/18/24 18:11	12/18/24 22:40	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	358354	12/18/24 18:11	12/18/24 22:40	AJL
Sulfate	540		mg/L	10	2.1	10	358930	12/26/24 16:40	12/27/24 01:00	JAA
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.041	1	358970	12/28/24	12/30/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	39		mg/L	4.0	1.6	1	358425	12/19/24	12/19/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.65		mg/L	0.050	0.0062	1	358390	12/19/24	12/19/24	SBW
Calcium	230		mg/L	0.57	0.57	1	358390	12/19/24	12/19/24	SBW
Iron	0.23		mg/L	0.041	0.041	1	358390	12/19/24	12/19/24	SBW
Magnesium	43		mg/L	0.10	0.025	1	358390	12/19/24	12/19/24	SBW
Manganese	0.78		mg/L	0.010	0.0029	1	358390	12/19/24	12/19/24	SBW
Potassium	1.8		mg/L	0.50	0.42	1	358390	12/19/24	12/19/24	SBW
Sodium	150		mg/L	0.50	0.34	1	358390	12/19/24	12/19/24	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	359075	12/30/24	12/30/24	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	359075	12/30/24	12/30/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Acetone	ND		ug/L	100	16	1	359075	12/30/24	12/30/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	359075	12/30/24	12/30/24	LYZ
MTBE	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
2-Butanone	ND		ug/L	100	3.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ

Analysis Results for 522564

522564-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	359075	12/30/24	12/30/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	359075	12/30/24	12/30/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Styrene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	359075	12/30/24	12/30/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	359075	12/30/24	12/30/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	359075	12/30/24	12/30/24	LYZ
Surrogates			Limits							
Dibromofluoromethane	103%	%REC	70-130			1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane-d4	125%	%REC	70-130			1	359075	12/30/24	12/30/24	LYZ
Toluene-d8	101%	%REC	70-130			1	359075	12/30/24	12/30/24	LYZ
Bromofluorobenzene	95%	%REC	70-130			1	359075	12/30/24	12/30/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 522564

522564-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	3.9		ug/L	1.0	0.95	1	358435	12/19/24	12/21/24	TJW
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	358435	12/19/24	12/21/24	TJW
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	358551	12/20/24	12/20/24	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	17		mg/L	1.0	0.21	1	358471	12/19/24	12/28/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	420		mg/L	5.0	2.5	358647	12/21/24	12/21/24	12/21/24	WWC
Alkalinity, Total as CaCO3	420		mg/L	5.0	2.5	358647	12/21/24	12/21/24	12/21/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	1,500		mg/L	20		2	358623	12/23/24	12/24/24	DXA

Analysis Results for 522564

Sample ID: DW-1
Lab ID: 522564-004
Collected: 12/17/24 11:59
Matrix: Water

522564-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.79		mg/L	0.20	0.081	1	358354	12/18/24 18:11	12/18/24 22:57	AJL
Chloride	110		mg/L	1.0	0.20	1	358354	12/18/24 18:11	12/18/24 22:57	AJL
Bromide	0.27	J	mg/L	0.30	0.077	1	358354	12/18/24 18:11	12/18/24 22:57	AJL
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	358354	12/18/24 18:11	12/18/24 22:57	AJL
Sulfate	330		mg/L	10	2.0	10	358354	12/18/24 18:11	12/19/24 02:03	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.041	1	358970	12/28/24	12/30/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	358425	12/19/24	12/19/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.21		mg/L	0.050	0.0062	1	358390	12/19/24	12/19/24	SBW
Calcium	51		mg/L	0.57	0.57	1	358390	12/19/24	12/19/24	SBW
Iron	ND		mg/L	0.041	0.041	1	358390	12/19/24	12/19/24	SBW
Magnesium	9.3		mg/L	0.10	0.025	1	358390	12/19/24	12/19/24	SBW
Manganese	0.042		mg/L	0.010	0.0029	1	358390	12/19/24	12/19/24	SBW
Potassium	2.4		mg/L	0.50	0.42	1	358390	12/19/24	12/19/24	SBW
Sodium	210		mg/L	0.50	0.34	1	358390	12/19/24	12/19/24	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	359075	12/30/24	12/30/24	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	359075	12/30/24	12/30/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Acetone	ND		ug/L	100	16	1	359075	12/30/24	12/30/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	359075	12/30/24	12/30/24	LYZ
MTBE	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
2-Butanone	ND		ug/L	100	3.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ

Analysis Results for 522564

522564-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	359075	12/30/24	12/30/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Tetrachloroethene	0.1	J	ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	359075	12/30/24	12/30/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Styrene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	359075	12/30/24	12/30/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	359075	12/30/24	12/30/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	359075	12/30/24	12/30/24	LYZ
Surrogates			Limits							
Dibromofluoromethane	101%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane-d4	121%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Toluene-d8	102%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Bromofluorobenzene	95%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 522564

522564-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	358435	12/19/24	12/21/24	XLY
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	358435	12/19/24	12/21/24	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	358551	12/20/24	12/20/24	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	0.63	B,J	mg/L	1.0	0.21	1	358471	12/19/24	12/28/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	170		mg/L	5.0		2.5	358647	12/21/24	12/21/24	WWC
Alkalinity, Total as CaCO3	170		mg/L	5.0		2.5	358647	12/21/24	12/21/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	860		mg/L	20		2	358623	12/23/24	12/24/24	DXA

Analysis Results for 522564

Sample ID: DW-3
Lab ID: 522564-005
Collected: 12/17/24 13:08
Matrix: Water

522564-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.63		mg/L	0.20	0.081	1	358354	12/18/24 18:11	12/18/24 23:14	AJL
Chloride	61		mg/L	1.0	0.20	1	358354	12/18/24 18:11	12/18/24 23:14	AJL
Bromide	0.17	J	mg/L	0.30	0.077	1	358354	12/18/24 18:11	12/18/24 23:14	AJL
Nitrogen, Nitrate	1.9		mg/L	0.10	0.03	1	358354	12/18/24 18:11	12/18/24 23:14	AJL
Sulfate	100		mg/L	10	2.0	10	358354	12/18/24 18:11	12/19/24 02:19	AJL
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.041	1	358970	12/28/24	12/30/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	1	358425	12/19/24	12/19/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Boron	0.27		mg/L	0.050	0.0062	1	358390	12/19/24	12/19/24	SBW
Calcium	32		mg/L	0.57	0.57	1	358390	12/19/24	12/19/24	SBW
Iron	ND		mg/L	0.041	0.041	1	358390	12/19/24	12/19/24	SBW
Magnesium	4.0		mg/L	0.10	0.025	1	358390	12/19/24	12/19/24	SBW
Manganese	ND		mg/L	0.010	0.0029	1	358390	12/19/24	12/19/24	SBW
Potassium	1.5		mg/L	0.50	0.42	1	358390	12/19/24	12/19/24	SBW
Sodium	120		mg/L	0.50	0.34	1	358390	12/19/24	12/19/24	SBW
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	1.3	1	359075	12/30/24	12/30/24	LYZ
Freon 12	5.0		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	359075	12/30/24	12/30/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Acetone	ND		ug/L	100	16	1	359075	12/30/24	12/30/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	359075	12/30/24	12/30/24	LYZ
MTBE	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethane	0.2	J	ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
2-Butanone	ND		ug/L	100	3.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Chloroform	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ

Analysis Results for 522564

522564-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	359075	12/30/24	12/30/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Tetrachloroethene	0.8	J	ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	359075	12/30/24	12/30/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Styrene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	359075	12/30/24	12/30/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	359075	12/30/24	12/30/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	359075	12/30/24	12/30/24	LYZ
Surrogates			Limits							
Dibromofluoromethane	102%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane-d4	122%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Toluene-d8	101%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

Analysis Results for 522564

522564-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dioxane	ND		ug/L	1.0	0.95	1	358435	12/19/24	12/21/24	XLY
Surrogates		Limits								
1,4-Dioxane-d8 (SUR)	102%		%REC	80-120		1	358435	12/19/24	12/21/24	XLY
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	358551	12/20/24	12/20/24	EPL
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	0.74	B,J	mg/L	1.0	0.21	1	358471	12/19/24	12/28/24	EPL
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	170		mg/L	5.0	2.5	358647	12/21/24	12/21/24	12/21/24	WWC
Alkalinity, Total as CaCO3	170		mg/L	5.0	2.5	358647	12/21/24	12/21/24	12/21/24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	460		mg/L	20		2	358623	12/23/24	12/24/24	DXA

Analysis Results for 522564

Sample ID: QCFB
Lab ID: 522564-006
Collected: 12/17/24 11:09
Matrix: Water

522564-006 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	1.3	1	359075	12/30/24	12/30/24	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	359075	12/30/24	12/30/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Acetone	ND		ug/L	100	16	1	359075	12/30/24	12/30/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	359075	12/30/24	12/30/24	LYZ
MTBE	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
2-Butanone	ND		ug/L	100	3.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Chloroform	0.5	J	ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Benzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	359075	12/30/24	12/30/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	359075	12/30/24	12/30/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Styrene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ

Analysis Results for 522564

522564-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	359075	12/30/24	12/30/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	359075	12/30/24	12/30/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	359075	12/30/24	12/30/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	103%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane-d4	121%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Toluene-d8	102%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ

Analysis Results for 522564

Sample ID: QCTB
Lab ID: 522564-007
Collected: 12/17/24
Matrix: Water

522564-007 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	1.3	1	359075	12/30/24	12/30/24	LYZ
Freon 12	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chloromethane	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	359075	12/30/24	12/30/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Acetone	ND		ug/L	100	16	1	359075	12/30/24	12/30/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Methylene Chloride	ND		ug/L	5.0	1.4	1	359075	12/30/24	12/30/24	LYZ
MTBE	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
2-Butanone	ND		ug/L	100	3.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Chloroform	0.5	J	ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	1	359075	12/30/24	12/30/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Benzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	1	359075	12/30/24	12/30/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.09	1	359075	12/30/24	12/30/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	359075	12/30/24	12/30/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Styrene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ

Analysis Results for 522564

522564-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	359075	12/30/24	12/30/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.07	1	359075	12/30/24	12/30/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	1	359075	12/30/24	12/30/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	359075	12/30/24	12/30/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	1	359075	12/30/24	12/30/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	359075	12/30/24	12/30/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	359075	12/30/24	12/30/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	101%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
1,2-Dichloroethane-d4	122%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Toluene-d8	101%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ
Bromofluorobenzene	96%		%REC	70-130		1	359075	12/30/24	12/30/24	LYZ

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

Batch QC

Type: Blank	Lab ID: QC1215662	Batch: 358930
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC1215662 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.21	12/26/24 16:40	12/26/24 16:48

Type: Lab Control Sample	Lab ID: QC1215663	Batch: 358930
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC1215663 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	25.74	25.00	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC1215664	Batch: 358930
Matrix (Source ID): Water (523118-001)	Method: EPA 300.0	Prep Method: METHOD

QC1215664 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	62.32	2.748	50.00	mg/L	119%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1215665	Batch: 358930
Matrix (Source ID): Water (523118-001)	Method: EPA 300.0	Prep Method: METHOD

QC1215665 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	53.88	2.748	50.00	mg/L	102%		80-120	15	20	1

Type: Blank	Lab ID: QC1213722	Batch: 358354
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1213722 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.081	12/18/24 18:11	12/18/24 21:33
Chloride	ND		mg/L	1.0	0.20	12/18/24 18:11	12/18/24 21:33
Bromide	ND		mg/L	0.30	0.077	12/18/24 18:11	12/18/24 21:33
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	12/18/24 18:11	12/18/24 21:33
Sulfate	ND		mg/L	1.0	0.20	12/18/24 18:11	12/18/24 21:33

Type: Lab Control Sample	Lab ID: QC1213723	Batch: 358354
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1213723 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.533	10.00	mg/L	95%		90-110
Chloride	48.28	50.00	mg/L	97%		90-110
Bromide	15.14	15.00	mg/L	101%		90-110
Nitrogen, Nitrate	4.536	4.518	mg/L	100%		90-110
Sulfate	25.00	25.00	mg/L	100%		90-110

Batch QC

Type: Matrix Spike	Lab ID: QC1213724	Batch: 358354
Matrix (Source ID): Drinking Water (522649-001)	Method: EPA 300.0	Prep Method: METHOD

QC1213724 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.36	ND	20.00	mg/L	107%		80-120	1
Chloride	153.4	47.05	100.0	mg/L	106%		80-120	1
Bromide	15.65	ND	15.00	mg/L	104%		80-120	1
Nitrogen, Nitrate	13.51	3.923	9.036	mg/L	106%		80-120	1
Sulfate	96.36	41.52	50.00	mg/L	110%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1213725	Batch: 358354
Matrix (Source ID): Drinking Water (522649-001)	Method: EPA 300.0	Prep Method: METHOD

QC1213725 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	19.43	ND	20.00	mg/L	97%		80-120	9	20	1
Chloride	146.7	47.05	100.0	mg/L	100%		80-120	4	20	1
Bromide	14.64	ND	15.00	mg/L	98%		80-120	7	20	1
Nitrogen, Nitrate	12.83	3.923	9.036	mg/L	99%		80-120	5	20	1
Sulfate	89.15	41.52	50.00	mg/L	95%		80-120	8	20	1

Type: Matrix Spike	Lab ID: QC1213726	Batch: 358354
Matrix (Source ID): Drinking Water (522656-003)	Method: EPA 300.0	Prep Method: METHOD

QC1213726 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.31	0.2178	20.00	mg/L	105%		80-120	1
Chloride	125.5	18.74	100.0	mg/L	107%		80-120	1
Bromide	15.47	0.08928	15.00	mg/L	103%		80-120	1
Nitrogen, Nitrate	17.61	8.768	9.036	mg/L	98%		80-120	1
Sulfate	123.4	72.65	50.00	mg/L	101%	E	80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1213727	Batch: 358354
Matrix (Source ID): Drinking Water (522656-003)	Method: EPA 300.0	Prep Method: METHOD

QC1213727 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	22.40	0.2178	20.00	mg/L	111%		80-120	5	20	1
Chloride	129.9	18.74	100.0	mg/L	111%		80-120	3	20	1
Bromide	16.10	0.08928	15.00	mg/L	107%		80-120	4	20	1
Nitrogen, Nitrate	18.00	8.768	9.036	mg/L	102%		80-120	2	20	1
Sulfate	126.3	72.65	50.00	mg/L	107%	E	80-120		20	1

Batch QC

Type: Lab Control Sample	Lab ID: QC1215795	Batch: 358970
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1215795 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	1.002	1.000	mg/L	100%		90-110

Type: Blank	Lab ID: QC1215796	Batch: 358970
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1215796 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.041	12/28/24	12/30/24

Type: Matrix Spike	Lab ID: QC1215797	Batch: 358970
Matrix (Source ID): Water (522564-001)	Method: EPA 350.1	Prep Method: METHOD

QC1215797 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.000	ND	1.000	mg/L	100%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1215798	Batch: 358970
Matrix (Source ID): Water (522564-001)	Method: EPA 350.1	Prep Method: METHOD

QC1215798 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.000	ND	1.000	mg/L	100%		90-110	0	20	1

Type: Blank	Lab ID: QC1213973	Batch: 358425
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1213973 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	12/19/24	12/19/24

Type: Lab Control Sample	Lab ID: QC1213974	Batch: 358425
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1213974 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	101.0	100.0	mg/L	101%		90-110

Type: Matrix Spike	Lab ID: QC1213975	Batch: 358425
Matrix (Source ID): Water (522356-001)	Method: EPA 410.4	Prep Method: METHOD

QC1213975 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	202.0	102.0	100.0	mg/L	100%		77-120	2

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1213976	Batch: 358425
Matrix (Source ID): Water (522356-001)	Method: EPA 410.4	Prep Method: METHOD

QC1213976 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Chemical Oxygen Demand	200.0	102.0	100.0	mg/L	98%		77-120	1	20	2

Type: Matrix Spike	Lab ID: QC1213977	Batch: 358425
Matrix (Source ID): Water (522356-002)	Method: EPA 410.4	Prep Method: METHOD

QC1213977 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	122.0	17.00	100.0	mg/L	105%		77-120	2

Type: Matrix Spike Duplicate	Lab ID: QC1213978	Batch: 358425
Matrix (Source ID): Water (522356-002)	Method: EPA 410.4	Prep Method: METHOD

QC1213978 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Chemical Oxygen Demand	118.0	17.00	100.0	mg/L	101%		77-120	3	20	2

Type: Blank	Lab ID: QC1213855	Batch: 358390
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1213855 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0062	12/19/24	12/19/24
Calcium	ND		mg/L	0.57	0.57	12/19/24	12/19/24
Iron	ND		mg/L	0.041	0.041	12/19/24	12/19/24
Magnesium	ND		mg/L	0.10	0.025	12/19/24	12/19/24
Manganese	ND		mg/L	0.010	0.0029	12/19/24	12/19/24
Potassium	ND		mg/L	0.50	0.42	12/19/24	12/19/24
Sodium	ND		mg/L	0.50	0.34	12/19/24	12/19/24

Type: Lab Control Sample	Lab ID: QC1213856	Batch: 358390
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1213856 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3397	0.4000	mg/L	85%		80-120
Calcium	18.29	20.40	mg/L	90%		80-120
Iron	0.3519	0.4000	mg/L	88%		80-120
Magnesium	18.36	20.40	mg/L	90%		80-120
Manganese	0.3608	0.4000	mg/L	90%		80-120
Potassium	21.49	24.00	mg/L	90%		80-120
Sodium	18.34	20.40	mg/L	90%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1213857	Batch: 358390
Matrix (Source ID): Water (522558-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1213857 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.4093	0.07162	0.4000	mg/L	84%		75-125	1
Calcium	55.65	37.72	20.40	mg/L	88%		75-125	1
Iron	0.3737	ND	0.4000	mg/L	93%		75-125	1
Magnesium	19.59	1.342	20.40	mg/L	89%		75-125	1
Manganese	0.4619	0.1040	0.4000	mg/L	89%		75-125	1
Potassium	28.82	7.534	24.00	mg/L	89%		75-125	1
Sodium	59.16	42.02	20.40	mg/L	84%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1213858	Batch: 358390
Matrix (Source ID): Water (522558-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1213858 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.4057	0.07162	0.4000	mg/L	84%		75-125	1	20	1
Calcium	55.83	37.72	20.40	mg/L	89%		75-125	0	20	1
Iron	0.3739	ND	0.4000	mg/L	93%		75-125	0	20	1
Magnesium	19.62	1.342	20.40	mg/L	90%		75-125	0	20	1
Manganese	0.4657	0.1040	0.4000	mg/L	90%		75-125	1	20	1
Potassium	28.79	7.534	24.00	mg/L	89%		75-125	0	20	1
Sodium	59.17	42.02	20.40	mg/L	84%		75-125	0	20	1

Batch QC

Type: Blank	Lab ID: QC1216172	Batch: 359075
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1216172 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	1.3	12/29/24	12/29/24
Freon 12	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Chloromethane	ND		ug/L	5.0	0.4	12/29/24	12/29/24
Vinyl Chloride	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Bromomethane	ND		ug/L	5.0	0.3	12/29/24	12/29/24
Chloroethane	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Trichlorofluoromethane	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Acetone	ND		ug/L	100	16	12/29/24	12/29/24
Freon 113	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,1-Dichloroethene	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Methylene Chloride	ND		ug/L	5.0	1.4	12/29/24	12/29/24
MTBE	ND		ug/L	5.0	0.2	12/29/24	12/29/24
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,1-Dichloroethane	ND		ug/L	5.0	0.2	12/29/24	12/29/24
2-Butanone	ND		ug/L	100	3.1	12/29/24	12/29/24
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
2,2-Dichloropropane	ND		ug/L	5.0	0.09	12/29/24	12/29/24
Chloroform	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Bromochloromethane	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,1,1-Trichloroethane	ND		ug/L	5.0	0.06	12/29/24	12/29/24
1,1-Dichloropropene	ND		ug/L	5.0	0.09	12/29/24	12/29/24
Carbon Tetrachloride	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,2-Dichloroethane	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Benzene	ND		ug/L	5.0	0.09	12/29/24	12/29/24
Trichloroethene	ND		ug/L	5.0	0.2	12/29/24	12/29/24
1,2-Dichloropropane	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Bromodichloromethane	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Dibromomethane	ND		ug/L	5.0	0.09	12/29/24	12/29/24
4-Methyl-2-Pentanone	ND		ug/L	5.0	2.3	12/29/24	12/29/24
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Toluene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	12/29/24	12/29/24
1,3-Dichloropropane	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Tetrachloroethene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Dibromochloromethane	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,2-Dibromoethane	ND		ug/L	5.0	0.2	12/29/24	12/29/24
Chlorobenzene	ND		ug/L	5.0	0.09	12/29/24	12/29/24
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Ethylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
m,p-Xylenes	ND		ug/L	10	0.2	12/29/24	12/29/24
o-Xylene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Styrene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Bromoform	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Isopropylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	12/29/24	12/29/24

Batch QC

QC1216172 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Bromobenzene	ND		ug/L	5.0	0.07	12/29/24	12/29/24
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
2-Chlorotoluene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
4-Chlorotoluene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
tert-Butylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
sec-Butylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
n-Butylbenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	12/29/24	12/29/24
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.08	12/29/24	12/29/24
Hexachlorobutadiene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
Naphthalene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	12/29/24	12/29/24
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.5	12/29/24	12/29/24
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	12/29/24	12/29/24
Xylene (total)	ND		ug/L	5.0		12/29/24	12/29/24
Surrogates	Limits						
Dibromofluoromethane	104%		%REC	70-130		12/29/24	12/29/24
1,2-Dichloroethane-d4	120%		%REC	70-130		12/29/24	12/29/24
Toluene-d8	102%		%REC	70-130		12/29/24	12/29/24
Bromofluorobenzene	97%		%REC	70-130		12/29/24	12/29/24

Type: Lab Control Sample
Matrix: Water

Lab ID: QC1216173
Method: EPA 8260B

Batch: 359075
Prep Method: EPA 5030B

QC1216173 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	56.64	50.00	ug/L	113%		70-135
MTBE	54.65	50.00	ug/L	109%		70-130
Benzene	48.95	50.00	ug/L	98%		70-130
Trichloroethene	48.79	50.00	ug/L	98%		70-130
Toluene	50.51	50.00	ug/L	101%		70-130
Chlorobenzene	48.68	50.00	ug/L	97%		70-130
Surrogates						
Dibromofluoromethane	47.37	50.00	ug/L	95%		70-130
1,2-Dichloroethane-d4	56.53	50.00	ug/L	113%		70-130
Toluene-d8	52.03	50.00	ug/L	104%		70-130
Bromofluorobenzene	49.10	50.00	ug/L	98%		70-130

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1216174	Batch: 359075
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1216174 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	57.55	50.00	ug/L	115%		70-135	2	30
MTBE	53.55	50.00	ug/L	107%		70-130	2	30
Benzene	48.76	50.00	ug/L	98%		70-130	0	30
Trichloroethene	48.29	50.00	ug/L	97%		70-130	1	30
Toluene	49.94	50.00	ug/L	100%		70-130	1	30
Chlorobenzene	48.19	50.00	ug/L	96%		70-130	1	30
Surrogates								
Dibromofluoromethane	46.98	50.00	ug/L	94%		70-130		
1,2-Dichloroethane-d4	56.09	50.00	ug/L	112%		70-130		
Toluene-d8	51.01	50.00	ug/L	102%		70-130		
Bromofluorobenzene	50.09	50.00	ug/L	100%		70-130		

Type: Matrix Spike	Lab ID: QC1216225	Batch: 359075
Matrix (Source ID): Water (522554-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1216225 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	59.51	ND	50.00	ug/L	119%		70-130	1
MTBE	55.03	ND	50.00	ug/L	110%		75-130	1
Benzene	50.21	ND	50.00	ug/L	100%		70-130	1
Trichloroethene	50.41	ND	50.00	ug/L	101%		63-130	1
Toluene	51.15	ND	50.00	ug/L	102%		70-130	1
Chlorobenzene	48.85	ND	50.00	ug/L	98%		70-130	1
Surrogates								
Dibromofluoromethane	47.23		50.00	ug/L	94%		70-130	1
1,2-Dichloroethane-d4	55.95		50.00	ug/L	112%		70-130	1
Toluene-d8	51.40		50.00	ug/L	103%		70-130	1
Bromofluorobenzene	50.60		50.00	ug/L	101%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1216226	Batch: 359075
Matrix (Source ID): Water (522554-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1216226 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	59.50	ND	50.00	ug/L	119%		70-130	0	30	1
MTBE	54.14	ND	50.00	ug/L	108%		75-130	2	30	1
Benzene	49.58	ND	50.00	ug/L	99%		70-130	1	30	1
Trichloroethene	51.26	ND	50.00	ug/L	103%		63-130	2	30	1
Toluene	51.76	ND	50.00	ug/L	104%		70-130	1	30	1
Chlorobenzene	49.48	ND	50.00	ug/L	99%		70-130	1	30	1
Surrogates										
Dibromofluoromethane	47.19		50.00	ug/L	94%		70-130			1
1,2-Dichloroethane-d4	56.27		50.00	ug/L	113%		70-130			1
Toluene-d8	51.95		50.00	ug/L	104%		70-130			1
Bromofluorobenzene	50.30		50.00	ug/L	101%		70-130			1

Type: Blank	Lab ID: QC1214003	Batch: 358435
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1214003 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.95	12/19/24	12/21/24
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		12/19/24	12/21/24

Type: Lab Control Sample	Lab ID: QC1214004	Batch: 358435
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1214004 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.992	10.00	ug/L	90%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.23	10.00	ug/L	102%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC1214005	Batch: 358435
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1214005 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.783	10.00	ug/L	88%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.05	10.00	ug/L	101%		80-120		

Type: Blank	Lab ID: QC1214392	Batch: 358551
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1214392 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		12/20/24	12/20/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1214393	Batch: 358551
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1214393 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1214394	Batch: 358551
Matrix (Source ID): Water (522469-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1214394 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1214395	Batch: 358551
Matrix (Source ID): Water (522469-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1214395 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type: Blank	Lab ID: QC1214124	Batch: 358471
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1214124 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	0.25	J	mg/L	1.0	0.21	12/19/24	12/27/24

Type: Lab Control Sample	Lab ID: QC1214125	Batch: 358471
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1214125 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	23.83	25.00	mg/L	95%		80-120

Type: Matrix Spike	Lab ID: QC1214126	Batch: 358471
Matrix (Source ID): Water (522469-002)	Method: SM 5310B	Prep Method: SM 5310B

QC1214126 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	26.08	1.452	25.00	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1214127	Batch: 358471
Matrix (Source ID): Water (522469-002)	Method: SM 5310B	Prep Method: SM 5310B

QC1214127 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Total Organic Carbon	26.26	1.452	25.00	mg/L	99%		80-120	1	20	1

Batch QC

Type: Blank	Lab ID: QC1214708	Batch: 358647
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1214708 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO ₃	ND		mg/L	2.0		12/21/24	12/21/24
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		12/21/24	12/21/24

Type: Lab Control Sample	Lab ID: QC1214709	Batch: 358647
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1214709 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	1,070	1000	mg/L	107%		90-110

Type: Sample Duplicate	Lab ID: QC1214710	Batch: 358647
Matrix (Source ID): Water (522604-005)	Method: SM2320B	Prep Method: METHOD

QC1214710 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO ₃	508.0	505.7	mg/L		0	20	2.5
Alkalinity, Total as CaCO ₃	508.0	505.7	mg/L		0	20	2.5

Type: Blank	Lab ID: QC1214628	Batch: 358623
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1214628 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		12/23/24	12/24/24

Type: Lab Control Sample	Lab ID: QC1214629	Batch: 358623
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1214629 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,014	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1214630	Batch: 358623
Matrix (Source ID): Water (522564-001)	Method: SM2540C	Prep Method: METHOD

QC1214630 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	750.0	786.0	mg/L		5	5	2

Type: Sample Duplicate	Lab ID: QC1214631	Batch: 358623
Matrix (Source ID): Water (522633-001)	Method: SM2540C	Prep Method: METHOD

QC1214631 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,402	1396	mg/L		0	5	2

Batch QC

E Response exceeds instrument's linear
range
J Estimated value
ND Not Detected

Laboratory Job Number 522564

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2412D70

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 058321

Project: EO-522564

Project Location:

Project Received: 12/19/2024

Analytical Report reviewed & approved for release on 12/27/2024 by:

Jennifer Lagerbom

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: 2412D70

Project: EO-522564

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: 2412D70

Project: EO-522564

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: 12/19/2024 10:30
Date Prepared: 12/20/2024
Project: EO-522564

WorkOrder: 2412D70
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	2412D70-001A	Water	12/17/2024 09:16	GC26 1220241204.D	308360

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	1300	50	50	1	12/20/2024 13:14

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-29	2412D70-002A	Water	12/17/2024 10:11	GC26 1220241205.D	308360

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	1600	50	50	1	12/20/2024 13:39

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2412D70-003A	Water	12/17/2024 11:07	GC26 1220241206.D	308360

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	550	50	50	1	12/20/2024 14:21

Analyst(s): PRE

(Cont.)



Analytical Report

Client: Enthalpy Analytical
Date Received: 12/19/2024 10:30
Date Prepared: 12/20/2024
Project: EO-522564

WorkOrder: 2412D70
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-1	2412D70-004A	Water	12/17/2024 11:59	GC26 1220241207.D	308360

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	1300	50	50	1	12/20/2024 14:48

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-3	2412D70-005A	Water	12/17/2024 13:08	GC26 1220241208.D	308360

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	1500	50	50	1	12/20/2024 15:02

Analyst(s): PRE



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 12/20/2024
Date Analyzed: 12/20/2024
Instrument: GC26
Matrix: Water
Project: EO-522564

WorkOrder: 2412D70
BatchID: 308360
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-308360

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	160	150	187.2	84	82	70-130	2.50	30

McC Campbell Analytical, Inc.

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



CHAIN-OF-CUSTODY RECORD

WorkOrder: 2412D70

ClientCode: ENO

☐ WaterTrax

☐ CLIP

☐ EDF

☐ 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: 058321
Project: EO-522564

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: 12/19/2024
Date Logged: 12/19/2024

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2412D70-001	DW-30	Water	12/17/2024 09:16	☐	A											
2412D70-002	DW-29	Water	12/17/2024 10:11	☐	A											
2412D70-003	DW-31	Water	12/17/2024 11:07	☐	A											
2412D70-004	DW-1	Water	12/17/2024 11:59	☐	A											
2412D70-005	DW-3	Water	12/17/2024 13:08	☐	A											

Test Legend:

1 RSK175_CO2_W

2

3

4

5

6

7

8

9

10

11

12

Prepared by: Natalie Zaragoza

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.



WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL

Project: EO-522564

Work Order: 2412D70

Client Contact: Zach Barker

QC Level: LEVEL 2

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

Comments:

Date Logged: 12/19/2024

☐ 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-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	12/17/2024 9:16	5 days	12/27/2024	Present	☐	☐
002A	DW-29	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	12/17/2024 10:11	5 days	12/27/2024	Present	☐	☐
003A	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	12/17/2024 11:07	5 days	12/27/2024	Present	☐	☐
004A	DW-1	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	12/17/2024 11:59	5 days	12/27/2024	Present	☐	☐
005A	DW-3	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	12/17/2024 13:08	5 days	12/27/2024	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.



2412D6670
Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 242515
PO #: PO-058321

Enthalpy Order: EO-522564
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-30	17-DEC-2024 09:16	522564-001	3 <i>X</i>	Water	RSK-175 CO2	
DW-29	17-DEC-2024 10:11	522564-002	3 <i>X</i>	Water	RSK-175 CO2	
DW-31	17-DEC-2024 11:07	522564-003	3 <i>X</i>	Water	RSK-175 CO2	
DW-1	17-DEC-2024 11:59	522564-004	3 <i>X</i>	Water	RSK-175 CO2	
DW-3	17-DEC-2024 13:08	522564-005	3 <i>X</i>	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	<i>J. Dominguez EA-ORA</i>	
	Date: <i>12/18/24 1815</i>	Date:
	Date:	<i>Natalie Terceira</i> Date: <i>12/19/24 1030</i>
	Date:	Date:

QUS: 562417003

O. Yurt 1239



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-522564

Date and Time Received: 12/19/2024 10:30

Date Logged: 12/19/2024

Received by: Natalie Zaragoza

Logged by: Natalie Zaragoza

WorkOrder №: 2412D70 Matrix:
Carrier: Golden State Overnight

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 0.4°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: