

ENTHALPY ANALYTICAL REPORT 515415
DW-30 INITIAL ANALYTICAL RESULTS



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

enthalpy.com

Lab Job Number : 515415
Report Level : II
Report Date : 09/19/2024

Analytical Report *prepared for:*

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA 94954

Location: Chiquita Canyon LF New Wells | RM22.1077.00/13

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

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA
94954

Lab Job #: 515415
Location: Chiquita Canyon LF New Wells |
RM22.1077.00/13
Date Received: 09/04/24

Sample ID	Lab ID	Collected	Matrix
DW-30	515415-001	09/04/24 14:30	Water
QCTB	515415-002	09/04/24 14:30	Water
QCFB	515415-003	09/04/24 14:30	Water
QCEB	515415-004	09/04/24 14:30	Water

ENTHALPY ANALYTICAL		Chain of Custody Record Lab No: 515415 Page: 2 of 2		Turn Around Time (rush by advanced notice only)			
		Standard:	✓	5 Day:		3 Day:	
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
		Custom TAT:		Sample Receipt Temp:		(lab use only)	

PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	Geo-logic Associates			Name:	Chignita Canyon LP New Wells						
Report To:	Adrienne Thibeault			Number:	RM22.1077.00/13						
Email:	athibeault@geo-logic.com			P.O. #:							
Address:	2777 East Coast Drive, Ontario CA			Address:	29201 Henry Mayo Drive, Castaic, CA 91384						
Phone:	1-949-677-1093			Global ID:	1003464243						
Fax:				Sampled By:	Ryan Rivera						

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request	Test Instructions / Comments
1 DW-30	9/4/24	14:30	W	30	✓	X Total phosphorus, phosphate X Cyanide	
2 QCTB	9/4/24	14:30	W	2	✓	X Total cations, total anions	
3 QCFB	9/4/24	14:30	W	3	✓	X Hydroxide (as CaCO ₃)	
4 QCEB	9/4/24	14:30	W	3	✓		
5							
6							
7							
8							
9							
10							

Signature	Print Name	Company / Title	Date / Time
	Ryan Rivera	Geo-logic Associates	9-4-24 1705
	Jim Lin / Hrag B.	SA-114	9-4-24 1705
	Hrag B.	EA-114	9-5-24 / 1445
	Amber Smalman	EA	9-5-24 1445

ENTHALPY ASSOCIATES

Date Received: 9/4/24 WO# _____ Client: GSD-logic ASSO

Are custody seals present? ☐ Yes ☒ No

Shipping Info: _____

☐ 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: 2.3 / 5.9 #2: ____ / ____ #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
-----	----	-----

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

☐ PM notified

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

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 9/5/24 WO# 515415 Client: RMC Geoscience

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 9/5/24 By (initials) thog 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: TR01 CF: 06

Cooler Temp (°C) #1: 21 / 19 #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

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

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

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

Section 4: Containers / Labels / Samples

	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			x
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC? <u>AS 015124</u>	x	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? <u>AS 015124</u>	x	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

4.9

The cyanide container received - ~~1~~ sample. 1 was Unpreserved.

Sample 3/4 labeled DW-30 w/ QLEB and QLEB in the analysis section.

Date Logged 9/5/24 By (print) JJP

Date Labeled 9/5/24 By (print) Orange

(sign) [Signature] for JJP

(sign)

Analysis Results for 515415

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA 94954

Lab Job #: 515415
Location: Chiquita Canyon LF New Wells
RM22.1077.00/13
Date Received: 09/04/24

Sample ID: DW-30

Lab ID: 515415-001
Matrix: Water

Collected: 09/04/24 14:30

515415-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.57		mg/L	0.20	0.040	1	349593	09/06/24 17:00	09/07/24 01:22	AJL
Chloride	52		mg/L	1.0	0.27	1	349511	09/05/24 20:00	09/05/24 21:11	AJL
Bromide	0.13	J	mg/L	0.30	0.060	1	349511	09/05/24 20:00	09/05/24 21:11	AJL
Nitrogen, Nitrate	0.89		mg/L	0.10	0.04	1	349511	09/05/24 20:00	09/05/24 21:11	AJL
Sulfate	250		mg/L	10	2.1	10	349511	09/05/24 20:00	09/05/24 22:13	AJL
Method: EPA 335.4 Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0023	0.5	350015	09/12/24	09/12/24	DAD
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.033	1	350495	09/18/24	09/19/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	3.0	J	mg/L	4.0	1.6	1	350000	09/12/24	09/12/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Antimony	ND		mg/L	0.030	0.014	1	349581	09/06/24	09/09/24	CAP
Arsenic	ND		mg/L	0.010	0.0045	1	349581	09/06/24	09/09/24	CAP
Barium	0.037		mg/L	0.010	0.0029	1	349581	09/06/24	09/09/24	CAP
Beryllium	ND		mg/L	0.0050	0.00015	1	349581	09/06/24	09/09/24	CAP
Boron	0.18		mg/L	0.050	0.012	1	349581	09/06/24	09/09/24	CAP
Cadmium	ND		mg/L	0.0050	0.00074	1	349581	09/06/24	09/09/24	CAP
Calcium	54		mg/L	0.36	0.36	1	349581	09/06/24	09/09/24	CAP
Chromium	ND		mg/L	0.010	0.0014	1	349581	09/06/24	09/09/24	CAP
Cobalt	0.0019	J	mg/L	0.0050	0.00079	1	349581	09/06/24	09/09/24	CAP
Copper	ND		mg/L	0.010	0.0050	1	349581	09/06/24	09/09/24	CAP
Iron	0.29		mg/L	0.031	0.031	1	349581	09/06/24	09/09/24	CAP
Lead	ND		mg/L	0.010	0.0030	1	349581	09/06/24	09/09/24	CAP
Magnesium	7.7		mg/L	0.10	0.028	1	349581	09/06/24	09/09/24	CAP
Manganese	0.54		mg/L	0.010	0.0018	1	349581	09/06/24	09/09/24	CAP
Nickel	ND		mg/L	0.010	0.0018	1	349581	09/06/24	09/09/24	CAP
Potassium	2.3		mg/L	0.53	0.53	1	349581	09/06/24	09/09/24	CAP
Selenium	ND		mg/L	0.030	0.0082	1	349581	09/06/24	09/09/24	CAP
Silver	ND		mg/L	0.0050	0.0013	1	349581	09/06/24	09/09/24	CAP
Sodium	160		mg/L	0.50	0.33	1	349581	09/06/24	09/10/24	CAP

Analysis Results for 515415

515415-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Thallium	ND		mg/L	0.030	0.012	1	349581	09/06/24	09/09/24	CAP
Tin	ND		mg/L	0.020	0.0034	1	350112	09/13/24	09/13/24	SBW
Titanium	0.0076	J	mg/L	0.010	0.0039	1	349581	09/06/24	09/09/24	CAP
Vanadium	ND		mg/L	0.010	0.0012	1	349581	09/06/24	09/09/24	CAP
Zinc	ND		mg/L	0.050	0.011	1	349581	09/06/24	09/09/24	CAP

Method: EPA 7470A
Prep Method: METHOD

Mercury	ND		ug/L	0.40	0.18	1	349564	09/06/24	09/06/24	MLL
---------	----	--	------	------	------	---	--------	----------	----------	-----

Method: EPA 8081A
Prep Method: EPA 3510C

alpha-BHC	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
beta-BHC	ND		ug/L	0.05	0.03	0.95	349611	09/07/24	09/07/24	MES
gamma-BHC	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
delta-BHC	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Heptachlor	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Aldrin	ND		ug/L	0.05	0.03	0.95	349611	09/07/24	09/07/24	MES
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Endosulfan I	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Dieldrin	ND		ug/L	0.1	0.02	0.95	349611	09/07/24	09/07/24	MES
4,4'-DDE	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
Endrin	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
Endosulfan II	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
Endosulfan sulfate	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
4,4'-DDD	ND		ug/L	0.1	0.02	0.95	349611	09/07/24	09/07/24	MES
Endrin aldehyde	ND		ug/L	0.1	0.04	0.95	349611	09/07/24	09/07/24	MES
Endrin ketone	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
4,4'-DDT	ND		ug/L	0.1	0.04	0.95	349611	09/07/24	09/07/24	MES
Methoxychlor	ND		ug/L	0.1	0.05	0.95	349611	09/07/24	09/07/24	MES
Toxaphene	ND		ug/L	1.9	0.3	0.95	349611	09/07/24	09/07/24	MES
Chlordane (Technical)	ND		ug/L	1.0	0.1	0.95	349611	09/07/24	09/07/24	MES

Surrogates

Limits

TCMX	68%	%REC	14-120	0.95	349611	09/07/24	09/07/24	MES
Decachlorobiphenyl	87%	%REC	20-120	0.95	349611	09/07/24	09/07/24	MES

Method: EPA 8082
Prep Method: EPA 3510C

Aroclor-1016	ND		ug/L	0.48	0.12	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1221	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1232	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1242	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1248	ND		ug/L	0.48	0.017	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1254	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1260	ND		ug/L	0.48	0.096	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1262	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1268	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES

Surrogates

Limits

Decachlorobiphenyl (PCB)	86%	%REC	18-126	0.95	349611	09/07/24	09/07/24	MES
--------------------------	-----	------	--------	------	--------	----------	----------	-----

Method: EPA 8260B
Prep Method: EPA 5030B

Carbon Disulfide	0.3	B,J	ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Chloroprene	ND		ug/L	200	0.4	1	349620	09/07/24	09/07/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ

Analysis Results for 515415

515415-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Ethyl methacrylate	ND		ug/L	50	1.6	1	349620	09/07/24	09/07/24	LYZ
2-Hexanone	ND		ug/L	5.0	0.9	1	349620	09/07/24	09/07/24	LYZ
Iodomethane	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	1.8	1	349620	09/07/24	09/07/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.8	1	349620	09/07/24	09/07/24	LYZ
Vinyl Acetate	ND		ug/L	50	3.4	1	349620	09/07/24	09/07/24	LYZ
Acrolein	ND		ug/L	200	0.5	1	349620	09/07/24	09/07/24	LYZ
Acrylonitrile	ND		ug/L	10	0.3	1	349620	09/07/24	09/07/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Acetone	12	J	ug/L	100	11	1	349620	09/07/24	09/07/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	349620	09/07/24	09/07/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Benzene	ND		ug/L	1.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Toluene	0.3	J	ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Tetrachloroethene	0.5	J	ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349620	09/07/24	09/07/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ

Analysis Results for 515415

515415-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349620	09/07/24	09/07/24	LYZ
TIC:2-methylacetone	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ

Surrogates

Limits

Dibromofluoromethane	94%	%REC	70-130			1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane-d4	105%	%REC	70-130			1	349620	09/07/24	09/07/24	LYZ
Toluene-d8	106%	%REC	70-130			1	349620	09/07/24	09/07/24	LYZ
Bromofluorobenzene	98%	%REC	70-130			1	349620	09/07/24	09/07/24	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3535

1,4-Dioxane	ND		ug/L	1.0	0.45	1	349527	09/06/24	09/06/24	TJW
Surrogates										
Limits										
1,4-Dioxane-d8 (SUR)	102%	%REC	80-120			1	349527	09/06/24	09/06/24	TJW

Method: EPA 8270C

Prep Method: EPA 3510C

Carbazole	ND		ug/L	9.5	0.87	0.95	349769	09/10/24	09/11/24	ZFA
Pyridine	ND		ug/L	9.5	3.4	0.95	349769	09/10/24	09/11/24	ZFA
N-Nitrosodimethylamine	ND		ug/L	9.5	1.1	0.95	349769	09/10/24	09/11/24	ZFA
Phenol	ND		ug/L	9.5	0.97	0.95	349769	09/10/24	09/11/24	ZFA
Aniline	ND		ug/L	9.5	1.7	0.95	349769	09/10/24	09/11/24	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	24	1.6	0.95	349769	09/10/24	09/11/24	ZFA
2-Chlorophenol	ND		ug/L	9.5	1.4	0.95	349769	09/10/24	09/11/24	ZFA
1,3-Dichlorobenzene	ND		ug/L	9.5	1.5	0.95	349769	09/10/24	09/11/24	ZFA
1,4-Dichlorobenzene	ND		ug/L	9.5	1.5	0.95	349769	09/10/24	09/11/24	ZFA
Benzyl alcohol	ND		ug/L	10	10	0.95	349769	09/10/24	09/11/24	ZFA
1,2-Dichlorobenzene	ND		ug/L	9.5	1.4	0.95	349769	09/10/24	09/11/24	ZFA
2-Methylphenol	ND		ug/L	9.5	1.5	0.95	349769	09/10/24	09/11/24	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	9.5	1.3	0.95	349769	09/10/24	09/11/24	ZFA
3,4-Methylphenol	ND		ug/L	9.5	1.7	0.95	349769	09/10/24	09/11/24	ZFA

Analysis Results for 515415

515415-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
N-Nitroso-di-n-propylamine	ND		ug/L	9.5	1.6	0.95	349769	09/10/24	09/11/24	ZFA
Hexachloroethane	ND		ug/L	9.5	2.1	0.95	349769	09/10/24	09/11/24	ZFA
Nitrobenzene	ND		ug/L	24	11	0.95	349769	09/10/24	09/11/24	ZFA
Isophorone	ND		ug/L	9.5	1.6	0.95	349769	09/10/24	09/11/24	ZFA
2-Nitrophenol	ND		ug/L	9.5	6.8	0.95	349769	09/10/24	09/11/24	ZFA
2,4-Dimethylphenol	ND		ug/L	9.5	5.3	0.95	349769	09/10/24	09/11/24	ZFA
Benzoic acid	ND		ug/L	48	12	0.95	349769	09/10/24	09/11/24	ZFA
bis(2-Chloroethoxy)methane	ND		ug/L	9.5	1.6	0.95	349769	09/10/24	09/11/24	ZFA
2,4-Dichlorophenol	ND		ug/L	9.5	2.4	0.95	349769	09/10/24	09/11/24	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	9.5	1.4	0.95	349769	09/10/24	09/11/24	ZFA
Naphthalene	ND		ug/L	9.5	1.4	0.95	349769	09/10/24	09/11/24	ZFA
4-Chloroaniline	ND		ug/L	9.5	2.1	0.95	349769	09/10/24	09/11/24	ZFA
Hexachlorobutadiene	ND		ug/L	9.5	2.8	0.95	349769	09/10/24	09/11/24	ZFA
4-Chloro-3-methylphenol	ND		ug/L	9.5	1.9	0.95	349769	09/10/24	09/11/24	ZFA
2-Methylnaphthalene	ND		ug/L	9.5	1.6	0.95	349769	09/10/24	09/11/24	ZFA
Hexachlorocyclopentadiene	ND		ug/L	24	6.4	0.95	349769	09/10/24	09/11/24	ZFA
2,4,6-Trichlorophenol	ND		ug/L	9.5	3.2	0.95	349769	09/10/24	09/11/24	ZFA
2,4,5-Trichlorophenol	ND		ug/L	9.5	3.2	0.95	349769	09/10/24	09/11/24	ZFA
2-Chloronaphthalene	ND		ug/L	9.5	1.8	0.95	349769	09/10/24	09/11/24	ZFA
2-Nitroaniline	ND		ug/L	48	6.8	0.95	349769	09/10/24	09/11/24	ZFA
Dimethylphthalate	ND		ug/L	9.5	2.9	0.95	349769	09/10/24	09/11/24	ZFA
Acenaphthylene	ND		ug/L	9.5	2.0	0.95	349769	09/10/24	09/11/24	ZFA
2,6-Dinitrotoluene	ND		ug/L	9.5	3.0	0.95	349769	09/10/24	09/11/24	ZFA
3-Nitroaniline	ND		ug/L	9.5	2.2	0.95	349769	09/10/24	09/11/24	ZFA
Acenaphthene	ND		ug/L	9.5	1.5	0.95	349769	09/10/24	09/11/24	ZFA
2,4-Dinitrophenol	ND		ug/L	48	4.5	0.95	349769	09/10/24	09/11/24	ZFA
4-Nitrophenol	ND		ug/L	9.5	4.4	0.95	349769	09/10/24	09/11/24	ZFA
Dibenzofuran	ND		ug/L	9.5	1.6	0.95	349769	09/10/24	09/11/24	ZFA
2,4-Dinitrotoluene	ND		ug/L	9.5	2.3	0.95	349769	09/10/24	09/11/24	ZFA
Diethylphthalate	ND		ug/L	9.5	1.9	0.95	349769	09/10/24	09/11/24	ZFA
Fluorene	ND		ug/L	9.5	1.6	0.95	349769	09/10/24	09/11/24	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	9.5	1.8	0.95	349769	09/10/24	09/11/24	ZFA
4-Nitroaniline	ND		ug/L	9.5	3.5	0.95	349769	09/10/24	09/11/24	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	48	5.0	0.95	349769	09/10/24	09/11/24	ZFA
N-Nitrosodiphenylamine	ND		ug/L	9.5	1.6	0.95	349769	09/10/24	09/11/24	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.5	1.2	0.95	349769	09/10/24	09/11/24	ZFA
4-Bromophenyl-phenylether	ND		ug/L	9.5	2.2	0.95	349769	09/10/24	09/11/24	ZFA
Hexachlorobenzene	ND		ug/L	9.5	2.5	0.95	349769	09/10/24	09/11/24	ZFA
Pentachlorophenol	ND		ug/L	24	3.8	0.95	349769	09/10/24	09/11/24	ZFA
Phenanthrene	ND		ug/L	9.5	1.2	0.95	349769	09/10/24	09/11/24	ZFA
Anthracene	ND		ug/L	9.5	1.2	0.95	349769	09/10/24	09/11/24	ZFA
Di-n-butylphthalate	ND		ug/L	9.5	1.9	0.95	349769	09/10/24	09/11/24	ZFA
Fluoranthene	ND		ug/L	9.5	1.2	0.95	349769	09/10/24	09/11/24	ZFA
Benidine	ND		ug/L	48	8.4	0.95	349769	09/10/24	09/11/24	ZFA
Pyrene	ND		ug/L	9.5	1.1	0.95	349769	09/10/24	09/11/24	ZFA
Butylbenzylphthalate	ND		ug/L	9.5	2.5	0.95	349769	09/10/24	09/11/24	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	24	3.1	0.95	349769	09/10/24	09/11/24	ZFA
Benzo(a)anthracene	ND		ug/L	9.5	0.77	0.95	349769	09/10/24	09/11/24	ZFA
Chrysene	ND		ug/L	9.5	0.84	0.95	349769	09/10/24	09/11/24	ZFA
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.5	3.4	0.95	349769	09/10/24	09/11/24	ZFA
Di-n-octylphthalate	ND		ug/L	9.5	4.5	0.95	349769	09/10/24	09/11/24	ZFA

Analysis Results for 515415

515415-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzo(b)fluoranthene	ND		ug/L	9.5	1.3	0.95	349769	09/10/24	09/11/24	ZFA
Benzo(k)fluoranthene	ND		ug/L	9.5	1.3	0.95	349769	09/10/24	09/11/24	ZFA
Benzo(a)pyrene	ND		ug/L	9.5	1.3	0.95	349769	09/10/24	09/11/24	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.5	2.1	0.95	349769	09/10/24	09/11/24	ZFA
Dibenz(a,h)anthracene	ND		ug/L	9.5	2.0	0.95	349769	09/10/24	09/11/24	ZFA
Benzo(g,h,i)perylene	ND		ug/L	9.5	1.7	0.95	349769	09/10/24	09/11/24	ZFA
TIC:1,2,4,5-Tetrachlorobenzene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:1,3,5-Trinitrobenzene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:1,4-Naphthoquinone	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:1,4-Phenylenediamine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:1-Naphthylamine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:2,2'oxybis(1-chloropropane)	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:2,3,4,6-Tetrachlorophenol	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:2,4,5-trichlorophenoxyacetic acid	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:2-Naphthylamine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:3-Methylcholanthrene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:5-Nitro-o-toluidine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Acetophenone	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Ethyl methanesulfonate	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Famphur	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Hexachloropropene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Isosafrole	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Methapyrilene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Methyl methanesulfonate	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:N-Nitrosodi-n-butylamine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:N-Nitrosodiethylamine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:N-Nitrosomethylethylamine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:N-Nitrosopiperidine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:N-Nitrosopyrrolidine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Pentachlorobenzene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Pentachloronitrobenzene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Phenacetin	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Propyzamide	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Safrole	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:Thionazin	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:o,o,o-Triethyl phosphorothioate	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:o-Toluidine	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
TIC:p-(Dimethylamino) azobenzene	ND		ug/L			0.95	349769	09/10/24	09/11/24	ZFA
Surrogates	Limits									
2-Fluorophenol	28%		%REC	10-140		0.95	349769	09/10/24	09/11/24	ZFA
Phenol-d6	19%		%REC	10-140		0.95	349769	09/10/24	09/11/24	ZFA
2,4,6-Tribromophenol	75%		%REC	12-140		0.95	349769	09/10/24	09/11/24	ZFA
Nitrobenzene-d5	55%		%REC	10-140		0.95	349769	09/10/24	09/11/24	ZFA
2-Fluorobiphenyl	58%		%REC	11-140		0.95	349769	09/10/24	09/11/24	ZFA
Terphenyl-d14	88%		%REC	20-140		0.95	349769	09/10/24	09/11/24	ZFA

Method: SM 4500-H+ B

Analysis Results for 515415

515415-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
pH	7.49	H	SU			1	350472	09/18/24 09:00	09/18/24 09:00	EJG
Temperature	17.70	H	deg C	1.00		1	350472	09/18/24 09:00	09/18/24 09:00	EJG
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	349823	09/10/24	09/10/24	DXA
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	690		mg/L	20		2	349606	09/07/24	09/09/24	DXA

Analysis Results for 515415

Sample ID: QCTB
Lab ID: 515415-002
Collected: 09/04/24 14:30
Matrix: Water

515415-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
TIC:2-methylacetone	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ
Carbon Disulfide	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Chloroprene	ND		ug/L	200	0.4	1	349620	09/07/24	09/07/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ
Ethyl methacrylate	ND		ug/L	50	1.6	1	349620	09/07/24	09/07/24	LYZ
2-Hexanone	ND		ug/L	5.0	0.9	1	349620	09/07/24	09/07/24	LYZ
Iodomethane	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	1.8	1	349620	09/07/24	09/07/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.8	1	349620	09/07/24	09/07/24	LYZ
Vinyl Acetate	ND		ug/L	50	3.4	1	349620	09/07/24	09/07/24	LYZ
Acrolein	ND		ug/L	200	0.5	1	349620	09/07/24	09/07/24	LYZ
Acrylonitrile	ND		ug/L	10	0.3	1	349620	09/07/24	09/07/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Acetone	ND		ug/L	100	11	1	349620	09/07/24	09/07/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	349620	09/07/24	09/07/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloroform	0.4	J	ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Benzene	ND		ug/L	1.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ

Analysis Results for 515415

515415-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Dibromochloromethane	0.1	J	ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349620	09/07/24	09/07/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Bromoform	0.1	J	ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349620	09/07/24	09/07/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	94%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane-d4	103%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
Toluene-d8	105%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
Bromofluorobenzene	95%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ

Analysis Results for 515415

Sample ID: QCFB
Lab ID: 515415-003
Collected: 09/04/24 14:30
Matrix: Water

515415-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
TIC:2-methylacetone	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ
Carbon Disulfide	0.3	B,J	ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Chloroprene	ND		ug/L	200	0.4	1	349620	09/07/24	09/07/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ
Ethyl methacrylate	ND		ug/L	50	1.6	1	349620	09/07/24	09/07/24	LYZ
2-Hexanone	ND		ug/L	5.0	0.9	1	349620	09/07/24	09/07/24	LYZ
Iodomethane	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	1.8	1	349620	09/07/24	09/07/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.8	1	349620	09/07/24	09/07/24	LYZ
Vinyl Acetate	ND		ug/L	50	3.4	1	349620	09/07/24	09/07/24	LYZ
Acrolein	ND		ug/L	200	0.5	1	349620	09/07/24	09/07/24	LYZ
Acrylonitrile	ND		ug/L	10	0.3	1	349620	09/07/24	09/07/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Acetone	ND		ug/L	100	11	1	349620	09/07/24	09/07/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	349620	09/07/24	09/07/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloroform	0.3	J	ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Benzene	ND		ug/L	1.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ

Analysis Results for 515415

515415-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349620	09/07/24	09/07/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349620	09/07/24	09/07/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	95%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane-d4	104%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
Toluene-d8	105%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
Bromofluorobenzene	97%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ

Analysis Results for 515415

Sample ID: QCEB
Lab ID: 515415-004
Collected: 09/04/24 14:30
Matrix: Water

515415-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
TIC:2-methylacetone	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349620	09/07/24	09/07/24	LYZ
Carbon Disulfide	0.3	B,J	ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Chloroprene	ND		ug/L	200	0.4	1	349620	09/07/24	09/07/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ
Ethyl methacrylate	ND		ug/L	50	1.6	1	349620	09/07/24	09/07/24	LYZ
2-Hexanone	ND		ug/L	5.0	0.9	1	349620	09/07/24	09/07/24	LYZ
Iodomethane	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	1.8	1	349620	09/07/24	09/07/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.8	1	349620	09/07/24	09/07/24	LYZ
Vinyl Acetate	ND		ug/L	50	3.4	1	349620	09/07/24	09/07/24	LYZ
Acrolein	ND		ug/L	200	0.5	1	349620	09/07/24	09/07/24	LYZ
Acrylonitrile	ND		ug/L	10	0.3	1	349620	09/07/24	09/07/24	LYZ
Freon 12	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Bromomethane	ND		ug/L	5.0	0.4	1	349620	09/07/24	09/07/24	LYZ
Chloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Acetone	ND		ug/L	100	11	1	349620	09/07/24	09/07/24	LYZ
Freon 113	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Methylene Chloride	ND		ug/L	5.0	2.0	1	349620	09/07/24	09/07/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2-Butanone	ND		ug/L	100	2.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Chloroform	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.3	1	349620	09/07/24	09/07/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Benzene	ND		ug/L	1.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	1	349620	09/07/24	09/07/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ

Analysis Results for 515415

515415-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349620	09/07/24	09/07/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Styrene	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
Bromoform	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	1	349620	09/07/24	09/07/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	1	349620	09/07/24	09/07/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	1	349620	09/07/24	09/07/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
Naphthalene	ND		ug/L	5.0	0.1	1	349620	09/07/24	09/07/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	1	349620	09/07/24	09/07/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349620	09/07/24	09/07/24	LYZ
Surrogates	Limits									
Dibromofluoromethane	94%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
1,2-Dichloroethane-d4	104%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
Toluene-d8	104%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ
Bromofluorobenzene	95%		%REC	70-130		1	349620	09/07/24	09/07/24	LYZ

B Contamination found in associated Method Blank
 H Holding time was exceeded
 J Estimated value
 ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1183930	Batch: 349511
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1183930 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.27	09/05/24 20:00	09/05/24 20:30
Bromide	ND		mg/L	0.30	0.060	09/05/24 20:00	09/05/24 20:30
Nitrogen, Nitrate	ND		mg/L	0.10	0.04	09/05/24 20:00	09/05/24 20:30
Sulfate	ND		mg/L	1.0	0.21	09/05/24 20:00	09/05/24 20:30

Type: Lab Control Sample	Lab ID: QC1183931	Batch: 349511
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1183931 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	48.60	50.00	mg/L	97%		90-110
Bromide	15.02	15.00	mg/L	100%		90-110
Nitrogen, Nitrate	4.615	4.518	mg/L	102%		90-110
Sulfate	25.19	25.00	mg/L	101%		90-110

Type: Matrix Spike	Lab ID: QC1183949	Batch: 349511
Matrix (Source ID): Water (515415-001)	Method: EPA 300.0	Prep Method: METHOD

QC1183949 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	168.3	52.41	100.0	mg/L	116%		80-120	1
Bromide	17.98	0.1322	15.00	mg/L	119%		80-120	1
Nitrogen, Nitrate	11.71	0.8859	9.036	mg/L	120%		80-120	1
Sulfate	275.6	245.9	50.00	mg/L	59%	E,NM	80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1183950	Batch: 349511
Matrix (Source ID): Water (515415-001)	Method: EPA 300.0	Prep Method: METHOD

QC1183950 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	152.0	52.41	100.0	mg/L	100%		80-120	10	20	1
Bromide	15.42	0.1322	15.00	mg/L	102%		80-120	15	20	1
Nitrogen, Nitrate	10.10	0.8859	9.036	mg/L	102%		80-120	15	20	1
Sulfate	267.9	245.9	50.00	mg/L	44%	E,NM	80-120		20	1

Type: Blank	Lab ID: QC1184187	Batch: 349593
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1184187 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.040	09/06/24 17:00	09/06/24 17:14

Batch QC

Type: Lab Control Sample	Lab ID: QC1184188	Batch: 349593
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1184188 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.789	10.00	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC1184189	Batch: 349593
Matrix (Source ID): Water (515521-001)	Method: EPA 300.0	Prep Method: METHOD

QC1184189 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	19.11	0.04286	20.00	mg/L	95%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1184190	Batch: 349593
Matrix (Source ID): Water (515521-001)	Method: EPA 300.0	Prep Method: METHOD

QC1184190 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Fluoride	19.13	0.04286	20.00	mg/L	95%		80-120	0	20	1

Type: Blank	Lab ID: QC1185614	Batch: 350015
Matrix: Water	Method: EPA 335.4	Prep Method: METHOD

QC1185614 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0023	09/12/24	09/12/24

Type: Lab Control Sample	Lab ID: QC1185615	Batch: 350015
Matrix: Water	Method: EPA 335.4	Prep Method: METHOD

QC1185615 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.09517	0.1000	mg/L	95%		90-110

Type: Matrix Spike	Lab ID: QC1185616	Batch: 350015
Matrix (Source ID): Water (515426-003)	Method: EPA 335.4	Prep Method: METHOD

QC1185616 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1065	ND	0.1000	mg/L	106%		90-110	0.5

Type: Matrix Spike Duplicate	Lab ID: QC1185617	Batch: 350015
Matrix (Source ID): Water (515426-003)	Method: EPA 335.4	Prep Method: METHOD

QC1185617 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Cyanide	0.09658	ND	0.1000	mg/L	97%		90-110	10	20	0.5

Batch QC

Type: Blank	Lab ID: QC1187363	Batch: 350495
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1187363 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.033	09/18/24	09/19/24

Type: Lab Control Sample	Lab ID: QC1187364	Batch: 350495
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1187364 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9842	1.000	mg/L	98%		80-120

Type: Matrix Spike	Lab ID: QC1187365	Batch: 350495
Matrix (Source ID): Water (516283-009)	Method: EPA 350.1	Prep Method: METHOD

QC1187365 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.169	0.07634	1.000	mg/L	109%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1187366	Batch: 350495
Matrix (Source ID): Water (516283-009)	Method: EPA 350.1	Prep Method: METHOD

QC1187366 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.163	0.07634	1.000	mg/L	109%		80-120	0	20	1

Type: Blank	Lab ID: QC1185550	Batch: 350000
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1185550 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	1.6	09/12/24	09/12/24

Type: Lab Control Sample	Lab ID: QC1185551	Batch: 350000
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1185551 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	109.0	100.0	mg/L	109%		90-110

Type: Matrix Spike	Lab ID: QC1185552	Batch: 350000
Matrix (Source ID): Water (515273-001)	Method: EPA 410.4	Prep Method: METHOD

QC1185552 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	158.0	39.00	100.0	mg/L	119%		77-120	2

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1185553	Batch: 350000
Matrix (Source ID): Water (515273-001)	Method: EPA 410.4	Prep Method: METHOD

QC1185553 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	162.0	39.00	100.0	mg/L	123%	*	77-120	3	20	2

Type: Matrix Spike	Lab ID: QC1185554	Batch: 350000
Matrix (Source ID): Water (515305-001)	Method: EPA 410.4	Prep Method: METHOD

QC1185554 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	126.0	11.00	100.0	mg/L	115%		77-120	2

Type: Matrix Spike Duplicate	Lab ID: QC1185555	Batch: 350000
Matrix (Source ID): Water (515305-001)	Method: EPA 410.4	Prep Method: METHOD

QC1185555 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	122.0	11.00	100.0	mg/L	111%		77-120	3	20	2

Type: Blank	Lab ID: QC1184161	Batch: 349581
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1184161 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	0.014	09/06/24	09/09/24
Arsenic	ND		mg/L	0.010	0.0045	09/06/24	09/09/24
Barium	ND		mg/L	0.010	0.0029	09/06/24	09/09/24
Beryllium	ND		mg/L	0.0050	0.00015	09/06/24	09/09/24
Boron	ND		mg/L	0.050	0.012	09/06/24	09/09/24
Cadmium	ND		mg/L	0.0050	0.00074	09/06/24	09/09/24
Calcium	ND		mg/L	0.36	0.36	09/06/24	09/09/24
Chromium	ND		mg/L	0.010	0.0014	09/06/24	09/09/24
Cobalt	ND		mg/L	0.0050	0.00079	09/06/24	09/09/24
Copper	ND		mg/L	0.010	0.0050	09/06/24	09/09/24
Iron	ND		mg/L	0.031	0.031	09/06/24	09/09/24
Lead	ND		mg/L	0.010	0.0030	09/06/24	09/09/24
Magnesium	ND		mg/L	0.10	0.028	09/06/24	09/09/24
Manganese	ND		mg/L	0.010	0.0018	09/06/24	09/09/24
Nickel	ND		mg/L	0.010	0.0018	09/06/24	09/09/24
Potassium	ND		mg/L	0.53	0.53	09/06/24	09/09/24
Selenium	ND		mg/L	0.030	0.0082	09/06/24	09/09/24
Silver	ND		mg/L	0.0050	0.0013	09/06/24	09/09/24
Sodium	ND		mg/L	0.50	0.33	09/06/24	09/10/24
Thallium	ND		mg/L	0.030	0.012	09/06/24	09/09/24
Titanium	ND		mg/L	0.010	0.0039	09/06/24	09/09/24
Vanadium	ND		mg/L	0.010	0.0012	09/06/24	09/09/24
Zinc	ND		mg/L	0.050	0.011	09/06/24	09/09/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1184162	Batch: 349581
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1184162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.3752	0.4000	mg/L	94%		80-120
Arsenic	0.3485	0.4000	mg/L	87%		80-120
Barium	0.3578	0.4000	mg/L	89%		80-120
Beryllium	0.3532	0.4000	mg/L	88%		80-120
Boron	0.3505	0.4000	mg/L	88%		80-120
Cadmium	0.3555	0.4000	mg/L	89%		80-120
Calcium	18.87	20.40	mg/L	93%		80-120
Chromium	0.3588	0.4000	mg/L	90%		80-120
Cobalt	0.3672	0.4000	mg/L	92%		80-120
Copper	0.3380	0.4000	mg/L	84%		80-120
Iron	0.3639	0.4000	mg/L	91%		80-120
Lead	0.3694	0.4000	mg/L	92%		80-120
Magnesium	19.01	20.40	mg/L	93%		80-120
Manganese	0.3601	0.4000	mg/L	90%		80-120
Nickel	0.3574	0.4000	mg/L	89%		80-120
Potassium	21.39	24.00	mg/L	89%		80-120
Selenium	0.3378	0.4000	mg/L	84%		80-120
Silver	0.1766	0.2000	mg/L	88%		80-120
Sodium	19.83	20.40	mg/L	97%		80-120
Thallium	0.3724	0.4000	mg/L	93%		80-120
Titanium	0.3612	0.4000	mg/L	90%		80-120
Vanadium	0.3615	0.4000	mg/L	90%		80-120
Zinc	0.3552	0.4000	mg/L	89%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1184163	Batch: 349581
Matrix (Source ID): Water (515498-005)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1184163 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.3899	ND	0.4000	mg/L	97%		75-125	1
Arsenic	0.3630	0.004723	0.4000	mg/L	90%		75-125	1
Barium	0.3902	0.04199	0.4000	mg/L	87%		75-125	1
Beryllium	0.3502	ND	0.4000	mg/L	88%		75-125	1
Boron	0.7355	0.3653	0.4000	mg/L	93%		75-125	1
Cadmium	0.3384	ND	0.4000	mg/L	85%		75-125	1
Calcium	216.4	201.8	20.40	mg/L	72%	NM	75-125	1
Chromium	1.201	0.8669	0.4000	mg/L	83%		75-125	1
Cobalt	0.3630	0.007046	0.4000	mg/L	89%		75-125	1
Copper	0.3986	0.02118	0.4000	mg/L	94%		75-125	1
Iron	7.772	7.385	0.4000	mg/L	97%	NM	75-125	1
Lead	0.3493	ND	0.4000	mg/L	87%		75-125	1
Magnesium	189.6	173.7	20.40	mg/L	78%	NM	75-125	1
Manganese	0.8171	0.4556	0.4000	mg/L	90%		75-125	1
Nickel	0.4726	0.1327	0.4000	mg/L	85%		75-125	1
Potassium	30.85	8.165	24.00	mg/L	95%		75-125	1
Selenium	0.3449	ND	0.4000	mg/L	86%		75-125	1
Silver	0.1866	ND	0.2000	mg/L	93%		75-125	1
Sodium	777.0	773.7	20.40	mg/L	16%	NM	75-125	1
Thallium	0.3496	ND	0.4000	mg/L	87%		75-125	1
Titanium	0.3777	0.01455	0.4000	mg/L	91%		75-125	1
Vanadium	0.4508	0.08358	0.4000	mg/L	92%		75-125	1
Zinc	0.3446	ND	0.4000	mg/L	86%		75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1184164	Batch: 349581
Matrix (Source ID): Water (515498-005)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1184164 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.3805	ND	0.4000	mg/L	95%		75-125	2	20	1
Arsenic	0.3535	0.004723	0.4000	mg/L	87%		75-125	3	20	1
Barium	0.3803	0.04199	0.4000	mg/L	85%		75-125	3	20	1
Beryllium	0.3408	ND	0.4000	mg/L	85%		75-125	3	20	1
Boron	0.7152	0.3653	0.4000	mg/L	87%		75-125	3	20	1
Cadmium	0.3282	ND	0.4000	mg/L	82%		75-125	3	20	1
Calcium	213.9	201.8	20.40	mg/L	59%	NM	75-125	1	20	1
Chromium	1.120	0.8669	0.4000	mg/L	63%	*	75-125	7	20	1
Cobalt	0.3530	0.007046	0.4000	mg/L	86%		75-125	3	20	1
Copper	0.3874	0.02118	0.4000	mg/L	92%		75-125	3	20	1
Iron	7.460	7.385	0.4000	mg/L	19%	NM	75-125	4	20	1
Lead	0.3405	ND	0.4000	mg/L	85%		75-125	3	20	1
Magnesium	187.7	173.7	20.40	mg/L	69%	NM	75-125	1	20	1
Manganese	0.7760	0.4556	0.4000	mg/L	80%		75-125	5	20	1
Nickel	0.4585	0.1327	0.4000	mg/L	81%		75-125	3	20	1
Potassium	30.51	8.165	24.00	mg/L	93%		75-125	1	20	1
Selenium	0.3347	ND	0.4000	mg/L	84%		75-125	3	20	1
Silver	0.1818	ND	0.2000	mg/L	91%		75-125	3	20	1
Sodium	773.4	773.7	20.40	mg/L	-2%	NM	75-125	0	20	1
Thallium	0.3418	ND	0.4000	mg/L	85%		75-125	2	20	1
Titanium	0.3677	0.01455	0.4000	mg/L	88%		75-125	3	20	1
Vanadium	0.4389	0.08358	0.4000	mg/L	89%		75-125	3	20	1
Zinc	0.3358	ND	0.4000	mg/L	84%		75-125	3	20	1

Type: Blank	Lab ID: QC1185920	Batch: 350112
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1185920 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tin	ND		mg/L	0.020	0.0034	09/13/24	09/13/24

Type: Lab Control Sample	Lab ID: QC1185921	Batch: 350112
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1185921 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Tin	4.446	5.000	mg/L	89%		80-120

Type: Matrix Spike	Lab ID: QC1185922	Batch: 350112
Matrix (Source ID): Water (515704-002)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1185922 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Tin	4.253	0.007365	5.000	mg/L	85%		75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1185923	Batch: 350112
Matrix (Source ID): Water (515704-002)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1185923 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Tin	4.202	0.007365	5.000	mg/L	84%		75-125	1	20	1

Type: Blank	Lab ID: QC1184116	Batch: 349564
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1184116 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.18	09/06/24	09/06/24

Type: Lab Control Sample	Lab ID: QC1184117	Batch: 349564
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1184117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.212	5.000	ug/L	104%		80-120

Type: Matrix Spike	Lab ID: QC1184118	Batch: 349564
Matrix (Source ID): Water (515423-003)	Method: EPA 7470A	Prep Method: METHOD

QC1184118 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.258	ND	5.000	ug/L	105%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1184119	Batch: 349564
Matrix (Source ID): Water (515423-003)	Method: EPA 7470A	Prep Method: METHOD

QC1184119 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.275	ND	5.000	ug/L	105%		75-125	0	20	1

Batch QC

Type: Blank	Lab ID: QC1184245	Batch: 349611
Matrix: Water		

QC1184245 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	09/07/24	09/07/24
beta-BHC	ND		ug/L	0.05	0.03	09/07/24	09/07/24
gamma-BHC	ND		ug/L	0.05	0.02	09/07/24	09/07/24
delta-BHC	ND		ug/L	0.05	0.02	09/07/24	09/07/24
Heptachlor	ND		ug/L	0.05	0.02	09/07/24	09/07/24
Aldrin	ND		ug/L	0.05	0.03	09/07/24	09/07/24
Heptachlor epoxide	ND		ug/L	0.05	0.03	09/07/24	09/07/24
Endosulfan I	ND		ug/L	0.05	0.03	09/07/24	09/07/24
Dieldrin	ND		ug/L	0.1	0.03	09/07/24	09/07/24
4,4'-DDE	ND		ug/L	0.1	0.03	09/07/24	09/07/24
Endrin	ND		ug/L	0.1	0.03	09/07/24	09/07/24
Endosulfan II	ND		ug/L	0.1	0.03	09/07/24	09/07/24
Endosulfan sulfate	ND		ug/L	0.1	0.03	09/07/24	09/07/24
4,4'-DDD	ND		ug/L	0.1	0.02	09/07/24	09/07/24
Endrin aldehyde	ND		ug/L	0.1	0.04	09/07/24	09/07/24
Endrin ketone	ND		ug/L	0.1	0.04	09/07/24	09/07/24
4,4'-DDT	ND		ug/L	0.1	0.04	09/07/24	09/07/24
Methoxychlor	ND		ug/L	0.1	0.05	09/07/24	09/07/24
Toxaphene	ND		ug/L	2.0	0.3	09/07/24	09/07/24
Chlordane (Technical)	ND		ug/L	1.0	0.1	09/07/24	09/07/24
Surrogates				Limits			
TCMX	60%		%REC	14-120		09/07/24	09/07/24
Decachlorobiphenyl	101%		%REC	20-120		09/07/24	09/07/24
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.13	09/07/24	09/09/24
Aroclor-1221	ND		ug/L	0.50	0.10	09/07/24	09/09/24
Aroclor-1232	ND		ug/L	0.50	0.10	09/07/24	09/09/24
Aroclor-1242	ND		ug/L	0.50	0.10	09/07/24	09/09/24
Aroclor-1248	ND		ug/L	0.50	0.018	09/07/24	09/09/24
Aroclor-1254	ND		ug/L	0.50	0.10	09/07/24	09/09/24
Aroclor-1260	ND		ug/L	0.50	0.10	09/07/24	09/09/24
Aroclor-1262	ND		ug/L	0.50	0.10	09/07/24	09/09/24
Aroclor-1268	ND		ug/L	0.50	0.10	09/07/24	09/09/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1184246	Batch: 349611
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1184246 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.4093	0.5000	ug/L	82%		53-120
beta-BHC	0.4277	0.5000	ug/L	86%		59-120
gamma-BHC	0.4095	0.5000	ug/L	82%		54-120
delta-BHC	0.3906	0.5000	ug/L	78%		58-120
Heptachlor	0.4159	0.5000	ug/L	83%		49-120
Aldrin	0.3892	0.5000	ug/L	78%		47-120
Heptachlor epoxide	0.4240	0.5000	ug/L	85%		53-120
Endosulfan I	0.4486	0.5000	ug/L	90%		56-120
Dieldrin	0.4424	0.5000	ug/L	88%		55-120
4,4'-DDE	0.4824	0.5000	ug/L	96%		55-120
Endrin	0.4550	0.5000	ug/L	91%		57-120
Endosulfan II	0.4501	0.5000	ug/L	90%		58-120
Endosulfan sulfate	0.4306	0.5000	ug/L	86%		56-120
4,4'-DDD	0.4510	0.5000	ug/L	90%		53-120
Endrin aldehyde	0.4392	0.5000	ug/L	88%		45-120
Endrin ketone	0.4527	0.5000	ug/L	91%		61-120
4,4'-DDT	0.4696	0.5000	ug/L	94%		58-120
Methoxychlor	0.5164	0.5000	ug/L	103%		54-120
Surrogates						
TCMX	0.3559	0.5000	ug/L	71%		14-120
Decachlorobiphenyl	0.4233	0.5000	ug/L	85%		20-120

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1184247	Batch: 349611
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1184247 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4519	0.5000	ug/L	90%		53-120	10	20
beta-BHC	0.4757	0.5000	ug/L	95%		59-120	11	20
gamma-BHC	0.4563	0.5000	ug/L	91%		54-120	11	20
delta-BHC	0.4362	0.5000	ug/L	87%		58-120	11	20
Heptachlor	0.4551	0.5000	ug/L	91%		49-120	9	20
Aldrin	0.4198	0.5000	ug/L	84%		47-120	8	20
Heptachlor epoxide	0.4744	0.5000	ug/L	95%		53-120	11	20
Endosulfan I	0.5034	0.5000	ug/L	101%		56-120	11	20
Dieldrin	0.4971	0.5000	ug/L	99%		55-120	12	20
4,4'-DDE	0.5284	0.5000	ug/L	106%		55-120	9	20
Endrin	0.5082	0.5000	ug/L	102%		57-120	11	20
Endosulfan II	0.5229	0.5000	ug/L	105%		58-120	15	20
Endosulfan sulfate	0.4988	0.5000	ug/L	100%		56-120	15	20
4,4'-DDD	0.5085	0.5000	ug/L	102%		53-120	12	20
Endrin aldehyde	0.5110	0.5000	ug/L	102%		45-120	15	20
Endrin ketone	0.5291	0.5000	ug/L	106%		61-120	16	20
4,4'-DDT	0.5269	0.5000	ug/L	105%		58-120	12	20
Methoxychlor	0.6009	0.5000	ug/L	120%		54-120	15	20
Surrogates								
TCMX	0.3604	0.5000	ug/L	72%		14-120		
Decachlorobiphenyl	0.4716	0.5000	ug/L	94%		20-120		

Type: Lab Control Sample	Lab ID: QC1184248	Batch: 349611
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1184248 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	6.147	5.000	ug/L	123%		36-143
Aroclor-1260	6.210	5.000	ug/L	124%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.5781	0.5000	ug/L	116%		18-126

Type: Lab Control Sample Duplicate	Lab ID: QC1184249	Batch: 349611
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1184249 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	6.625	5.000	ug/L	133%		36-143	7	39
Aroclor-1260	6.989	5.000	ug/L	140%		31-153	12	20
Surrogates								
Decachlorobiphenyl (PCB)	0.6554	0.5000	ug/L	131%	*	18-126		

Batch QC

Type: Blank	Lab ID: QC1184281	Batch: 349611
Matrix: TCLP Leachate	Method: EPA 8081A	Prep Method: EPA 3510C

QC1184281 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/L	0.10	0.036	09/07/24	09/07/24
beta-BHC	ND		ug/L	0.10	0.055	09/07/24	09/07/24
gamma-BHC	ND		ug/L	0.10	0.041	09/07/24	09/07/24
delta-BHC	ND		ug/L	0.10	0.042	09/07/24	09/07/24
Heptachlor	ND		ug/L	0.10	0.042	09/07/24	09/07/24
Aldrin	ND		ug/L	0.10	0.067	09/07/24	09/07/24
Heptachlor epoxide	ND		ug/L	0.10	0.051	09/07/24	09/07/24
Endosulfan I	ND		ug/L	0.10	0.052	09/07/24	09/07/24
Dieldrin	ND		ug/L	0.20	0.052	09/07/24	09/07/24
4,4'-DDE	ND		ug/L	0.20	0.060	09/07/24	09/07/24
Endrin	ND		ug/L	0.20	0.054	09/07/24	09/07/24
Endosulfan II	ND		ug/L	0.20	0.057	09/07/24	09/07/24
Endosulfan sulfate	ND		ug/L	0.20	0.059	09/07/24	09/07/24
4,4'-DDD	ND		ug/L	0.20	0.050	09/07/24	09/07/24
Endrin aldehyde	ND		ug/L	0.20	0.080	09/07/24	09/07/24
Endrin ketone	ND		ug/L	0.20	0.070	09/07/24	09/07/24
4,4'-DDT	ND		ug/L	0.20	0.085	09/07/24	09/07/24
Methoxychlor	ND		ug/L	0.20	0.10	09/07/24	09/07/24
Toxaphene	ND		ug/L	4.0	0.57	09/07/24	09/07/24
Chlordane (Technical)	ND		ug/L	2.0	0.28	09/07/24	09/07/24
Surrogates				Limits			
TCMX	37%		%REC	14-120		09/07/24	09/07/24
Decachlorobiphenyl	46%		%REC	20-120		09/07/24	09/07/24

Batch QC

Type: Sample Spike	Lab ID: QC1184282	Batch: 349611
Matrix (Source ID): TCLP Leachate (513935-008)	Method: EPA 8081A	Prep Method: EPA 3510C

QC1184282 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	1.110	ND	1.000	ug/L	111%		43-130	2
beta-BHC	1.069	ND	1.000	ug/L	107%		49-130	2
gamma-BHC	1.073	ND	1.000	ug/L	107%		44-130	2
delta-BHC	1.037	ND	1.000	ug/L	104%		48-130	2
Heptachlor	1.063	ND	1.000	ug/L	106%		39-130	2
Aldrin	0.9836	ND	1.000	ug/L	98%		37-130	2
Heptachlor epoxide	1.068	ND	1.000	ug/L	107%		43-130	2
Endosulfan I	1.116	ND	1.000	ug/L	112%		46-130	2
Dieldrin	1.119	ND	1.000	ug/L	112%		45-130	2
4,4'-DDE	1.182	ND	1.000	ug/L	118%		45-130	2
Endrin	1.136	ND	1.000	ug/L	114%		47-130	2
Endosulfan II	1.150	ND	1.000	ug/L	115%		48-130	2
Endosulfan sulfate	1.057	ND	1.000	ug/L	106%		46-130	2
4,4'-DDD	1.103	ND	1.000	ug/L	110%		43-130	2
Endrin aldehyde	1.119	ND	1.000	ug/L	112%		35-130	2
Endrin ketone	1.132	ND	1.000	ug/L	113%		51-130	2
4,4'-DDT	1.149	ND	1.000	ug/L	115%		48-130	2
Methoxychlor	1.246	ND	1.000	ug/L	125%		44-130	2
Surrogates								
TCMX	0.7611		1.000	ug/L	76%		14-120	2
Decachlorobiphenyl	0.8959		1.000	ug/L	90%		20-120	2

Type: Lab Control Sample	Lab ID: QC1184293	Batch: 349620
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1184293 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	41.66	50.00	ug/L	83%		70-135
MTBE	38.81	50.00	ug/L	78%		70-130
Benzene	43.20	50.00	ug/L	86%		70-130
Trichloroethene	49.56	50.00	ug/L	99%		70-130
Toluene	45.57	50.00	ug/L	91%		70-130
Chlorobenzene	45.95	50.00	ug/L	92%		70-130
Surrogates						
Dibromofluoromethane	46.67	50.00	ug/L	93%		70-130
1,2-Dichloroethane-d4	49.13	50.00	ug/L	98%		70-130
Toluene-d8	51.84	50.00	ug/L	104%		70-130
Bromofluorobenzene	50.37	50.00	ug/L	101%		70-130

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1184294	Batch: 349620
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1184294 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	38.93	50.00	ug/L	78%		70-135	7	30
MTBE	37.29	50.00	ug/L	75%		70-130	4	30
Benzene	41.97	50.00	ug/L	84%		70-130	3	30
Trichloroethene	49.11	50.00	ug/L	98%		70-130	1	30
Toluene	45.33	50.00	ug/L	91%		70-130	1	30
Chlorobenzene	45.95	50.00	ug/L	92%		70-130	0	30
Surrogates								
Dibromofluoromethane	46.97	50.00	ug/L	94%		70-130		
1,2-Dichloroethane-d4	48.65	50.00	ug/L	97%		70-130		
Toluene-d8	52.74	50.00	ug/L	105%		70-130		
Bromofluorobenzene	51.37	50.00	ug/L	103%		70-130		

Batch QC

Type: Blank	Lab ID: QC1184296	Batch: 349620
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1184296 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	09/07/24	09/07/24
TIC:2-methylacetonitrile	ND		ug/L			09/07/24	09/07/24
TIC:Isobutanol	ND		ug/L			09/07/24	09/07/24
Carbon Disulfide	0.2	J	ug/L	5.0	0.2	09/07/24	09/07/24
Chloroprene	ND		ug/L	200	0.4	09/07/24	09/07/24
3-Chloropropene	ND		ug/L	5.0	0.4	09/07/24	09/07/24
Ethyl methacrylate	ND		ug/L	50	1.6	09/07/24	09/07/24
2-Hexanone	ND		ug/L	5.0	0.9	09/07/24	09/07/24
Iodomethane	ND		ug/L	5.0	0.3	09/07/24	09/07/24
Methyl acrylonitrile	ND		ug/L	35	1.8	09/07/24	09/07/24
Methyl methacrylate	ND		ug/L	5.0	1.8	09/07/24	09/07/24
Vinyl Acetate	ND		ug/L	50	3.4	09/07/24	09/07/24
Acrolein	ND		ug/L	200	0.5	09/07/24	09/07/24
Acrylonitrile	ND		ug/L	10	0.3	09/07/24	09/07/24
Freon 12	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Chloromethane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Vinyl Chloride	ND		ug/L	5.0	0.09	09/07/24	09/07/24
Bromomethane	ND		ug/L	5.0	0.4	09/07/24	09/07/24
Chloroethane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Trichlorofluoromethane	ND		ug/L	5.0	0.06	09/07/24	09/07/24
Acetone	ND		ug/L	100	11	09/07/24	09/07/24
Freon 113	ND		ug/L	5.0	0.1	09/07/24	09/07/24
1,1-Dichloroethene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Methylene Chloride	ND		ug/L	5.0	2.0	09/07/24	09/07/24
MTBE	ND		ug/L	5.0	0.1	09/07/24	09/07/24
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
1,1-Dichloroethane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
2-Butanone	ND		ug/L	100	2.6	09/07/24	09/07/24
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
2,2-Dichloropropane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Chloroform	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Bromochloromethane	ND		ug/L	5.0	0.2	09/07/24	09/07/24
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
1,1-Dichloropropene	ND		ug/L	5.0	0.3	09/07/24	09/07/24
Carbon Tetrachloride	ND		ug/L	5.0	0.1	09/07/24	09/07/24
1,2-Dichloroethane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Benzene	ND		ug/L	1.0	0.1	09/07/24	09/07/24
Trichloroethene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
1,2-Dichloropropane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Bromodichloromethane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Dibromomethane	ND		ug/L	5.0	0.08	09/07/24	09/07/24
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.6	09/07/24	09/07/24
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.09	09/07/24	09/07/24
Toluene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
1,1,2-Trichloroethane	ND		ug/L	5.0	0.07	09/07/24	09/07/24
1,3-Dichloropropane	ND		ug/L	5.0	0.1	09/07/24	09/07/24

Batch QC

QC1184296 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tetrachloroethene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
Dibromochloromethane	ND		ug/L	5.0	0.08	09/07/24	09/07/24
1,2-Dibromoethane	ND		ug/L	5.0	0.08	09/07/24	09/07/24
Chlorobenzene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Ethylbenzene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
m,p-Xylenes	ND		ug/L	10	0.2	09/07/24	09/07/24
o-Xylene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Styrene	ND		ug/L	5.0	0.06	09/07/24	09/07/24
Bromoform	ND		ug/L	5.0	0.08	09/07/24	09/07/24
Isopropylbenzene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.06	09/07/24	09/07/24
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	09/07/24	09/07/24
Propylbenzene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
Bromobenzene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.09	09/07/24	09/07/24
2-Chlorotoluene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
4-Chlorotoluene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
tert-Butylbenzene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	09/07/24	09/07/24
sec-Butylbenzene	ND		ug/L	5.0	0.09	09/07/24	09/07/24
para-Isopropyl Toluene	ND		ug/L	5.0	0.09	09/07/24	09/07/24
1,3-Dichlorobenzene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
1,4-Dichlorobenzene	ND		ug/L	5.0	0.09	09/07/24	09/07/24
n-Butylbenzene	ND		ug/L	5.0	0.07	09/07/24	09/07/24
1,2-Dichlorobenzene	ND		ug/L	5.0	0.07	09/07/24	09/07/24
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.2	09/07/24	09/07/24
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Hexachlorobutadiene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
Naphthalene	ND		ug/L	5.0	0.1	09/07/24	09/07/24
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.08	09/07/24	09/07/24
Xylene (total)	ND		ug/L	5.0		09/07/24	09/07/24
Surrogates				Limits			
Dibromofluoromethane	94%		%REC	70-130		09/07/24	09/07/24
1,2-Dichloroethane-d4	101%		%REC	70-130		09/07/24	09/07/24
Toluene-d8	106%		%REC	70-130		09/07/24	09/07/24
Bromofluorobenzene	96%		%REC	70-130		09/07/24	09/07/24

Batch QC

Type: Matrix Spike	Lab ID: QC1184310	Batch: 349620
Matrix (Source ID): Water (515577-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1184310 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,909	ND	2500	ug/L	76%		70-130	50
MTBE	2,053	ND	2500	ug/L	82%		75-130	50
Benzene	2,177	7.350	2500	ug/L	87%		70-130	50
Trichloroethene	2,497	ND	2500	ug/L	100%		63-130	50
Toluene	2,299	16.24	2500	ug/L	91%		70-130	50
Chlorobenzene	2,359	ND	2500	ug/L	94%		70-130	50
Surrogates								
Dibromofluoromethane	2,322		2500	ug/L	93%		70-130	50
1,2-Dichloroethane-d4	2,436		2500	ug/L	97%		70-130	50
Toluene-d8	2,571		2500	ug/L	103%		70-130	50
Bromofluorobenzene	2,520		2500	ug/L	101%		70-130	50

Type: Matrix Spike Duplicate	Lab ID: QC1184311	Batch: 349620
Matrix (Source ID): Water (515577-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1184311 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	1,806	ND	2500	ug/L	72%		70-130	6	30	50
MTBE	1,852	ND	2500	ug/L	74%	*	75-130	10	30	50
Benzene	1,998	7.350	2500	ug/L	80%		70-130	9	30	50
Trichloroethene	2,352	ND	2500	ug/L	94%		63-130	6	30	50
Toluene	2,160	16.24	2500	ug/L	86%		70-130	6	30	50
Chlorobenzene	2,183	ND	2500	ug/L	87%		70-130	8	30	50
Surrogates										
Dibromofluoromethane	2,284		2500	ug/L	91%		70-130			50
1,2-Dichloroethane-d4	2,382		2500	ug/L	95%		70-130			50
Toluene-d8	2,624		2500	ug/L	105%		70-130			50
Bromofluorobenzene	2,572		2500	ug/L	103%		70-130			50

Batch QC

Type: Blank
Matrix: Water

Lab ID: QC1184777
Method: EPA 8270C

Batch: 349769
Prep Method: EPA 3510C

QC1184777 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.4	09/10/24	09/10/24
Pyridine	ND		ug/L	10	1.7	09/10/24	09/10/24
N-Nitrosodimethylamine	ND		ug/L	10	1.4	09/10/24	09/10/24
Phenol	ND		ug/L	10	0.77	09/10/24	09/10/24
Aniline	ND		ug/L	10	1.7	09/10/24	09/10/24
bis(2-Chloroethyl)ether	ND		ug/L	25	1.2	09/10/24	09/10/24
2-Chlorophenol	ND		ug/L	10	1.4	09/10/24	09/10/24
1,3-Dichlorobenzene	ND		ug/L	10	1.2	09/10/24	09/10/24
1,4-Dichlorobenzene	ND		ug/L	10	1.2	09/10/24	09/10/24
Benzyl alcohol	ND		ug/L	10	2.0	09/10/24	09/10/24
1,2-Dichlorobenzene	ND		ug/L	10	1.1	09/10/24	09/10/24
2-Methylphenol	ND		ug/L	10	1.3	09/10/24	09/10/24
bis(2-Chloroisopropyl) ether	ND		ug/L	10	1.3	09/10/24	09/10/24
3-,4-Methylphenol	ND		ug/L	10	1.3	09/10/24	09/10/24
N-Nitroso-di-n-propylamine	ND		ug/L	10	1.5	09/10/24	09/10/24
Hexachloroethane	ND		ug/L	10	1.3	09/10/24	09/10/24
Nitrobenzene	ND		ug/L	25	1.2	09/10/24	09/10/24
Isophorone	ND		ug/L	10	2.2	09/10/24	09/10/24
2-Nitrophenol	ND		ug/L	10	2.2	09/10/24	09/10/24
2,4-Dimethylphenol	ND		ug/L	10	1.8	09/10/24	09/10/24
Benzoic acid	ND		ug/L	50	6.3	09/10/24	09/10/24
bis(2-Chloroethoxy)methane	ND		ug/L	10	1.5	09/10/24	09/10/24
2,4-Dichlorophenol	ND		ug/L	10	2.2	09/10/24	09/10/24
1,2,4-Trichlorobenzene	ND		ug/L	10	1.1	09/10/24	09/10/24
Naphthalene	ND		ug/L	10	1.1	09/10/24	09/10/24
4-Chloroaniline	ND		ug/L	10	1.7	09/10/24	09/10/24
Hexachlorobutadiene	ND		ug/L	10	1.1	09/10/24	09/10/24
4-Chloro-3-methylphenol	ND		ug/L	10	2.0	09/10/24	09/10/24
2-Methylnaphthalene	ND		ug/L	10	0.87	09/10/24	09/10/24
Hexachlorocyclopentadiene	ND		ug/L	25	8.8	09/10/24	09/10/24
2,4,6-Trichlorophenol	ND		ug/L	10	2.4	09/10/24	09/10/24
2,4,5-Trichlorophenol	ND		ug/L	10	2.7	09/10/24	09/10/24
2-Chloronaphthalene	ND		ug/L	10	0.85	09/10/24	09/10/24
2-Nitroaniline	ND		ug/L	50	1.9	09/10/24	09/10/24
Dimethylphthalate	ND		ug/L	10	1.7	09/10/24	09/10/24
Acenaphthylene	ND		ug/L	10	1.1	09/10/24	09/10/24
2,6-Dinitrotoluene	ND		ug/L	10	1.6	09/10/24	09/10/24
3-Nitroaniline	ND		ug/L	10	2.3	09/10/24	09/10/24
Acenaphthene	ND		ug/L	10	0.86	09/10/24	09/10/24
2,4-Dinitrophenol	ND		ug/L	50	9.9	09/10/24	09/10/24
4-Nitrophenol	ND		ug/L	10	2.2	09/10/24	09/10/24
Dibenzofuran	ND		ug/L	10	0.88	09/10/24	09/10/24
2,4-Dinitrotoluene	ND		ug/L	10	1.5	09/10/24	09/10/24
Diethylphthalate	ND		ug/L	10	1.6	09/10/24	09/10/24
Fluorene	ND		ug/L	10	0.92	09/10/24	09/10/24
4-Chlorophenyl-phenylether	ND		ug/L	10	0.84	09/10/24	09/10/24
4-Nitroaniline	ND		ug/L	10	4.2	09/10/24	09/10/24

Batch QC

QC1184777 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	2.5	09/10/24	09/10/24
N-Nitrosodiphenylamine	ND		ug/L	10	2.4	09/10/24	09/10/24
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	1.1	09/10/24	09/10/24
4-Bromophenyl-phenylether	ND		ug/L	10	1.1	09/10/24	09/10/24
Hexachlorobenzene	ND		ug/L	10	1.3	09/10/24	09/10/24
Pentachlorophenol	ND		ug/L	25	10	09/10/24	09/10/24
Phenanthrene	ND		ug/L	10	0.99	09/10/24	09/10/24
Anthracene	ND		ug/L	10	1.1	09/10/24	09/10/24
Di-n-butylphthalate	ND		ug/L	10	1.9	09/10/24	09/10/24
Fluoranthene	ND		ug/L	10	1.2	09/10/24	09/10/24
Benidine	ND		ug/L	50	7.6	09/10/24	09/10/24
Pyrene	ND		ug/L	10	1.2	09/10/24	09/10/24
Butylbenzylphthalate	ND		ug/L	10	2.6	09/10/24	09/10/24
3,3'-Dichlorobenzidine	ND		ug/L	25	7.2	09/10/24	09/10/24
Benzo(a)anthracene	ND		ug/L	10	1.3	09/10/24	09/10/24
Chrysene	ND		ug/L	10	1.4	09/10/24	09/10/24
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	2.8	09/10/24	09/10/24
Di-n-octylphthalate	ND		ug/L	10	5.9	09/10/24	09/10/24
Benzo(b)fluoranthene	ND		ug/L	10	1.9	09/10/24	09/10/24
Benzo(k)fluoranthene	ND		ug/L	10	2.6	09/10/24	09/10/24
Benzo(a)pyrene	ND		ug/L	10	1.5	09/10/24	09/10/24
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	5.2	09/10/24	09/10/24
Dibenz(a,h)anthracene	ND		ug/L	10	4.2	09/10/24	09/10/24
Benzo(g,h,i)perylene	ND		ug/L	10	1.6	09/10/24	09/10/24
TIC:2-Propanol, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-	3.1	J	ug/L			09/10/24	09/10/24
TIC:4,8,12,16-tetraoxaeicosan-1-ol	3.6	J	ug/L			09/10/24	09/10/24
TIC:4,8,12,16-tetraoxaeicosan-1-ol *	7.5	J	ug/L			09/10/24	09/10/24
TIC:4,8,12,16-tetraoxaeicosan-1-ol **	5.3	J	ug/L			09/10/24	09/10/24
TIC:4,8,12,16-tetraoxaeicosan-1-ol ***	3.3	J	ug/L			09/10/24	09/10/24
TIC:4,8,12,16-tetraoxaeicosan-1-ol ****	3.0	J	ug/L			09/10/24	09/10/24
Surrogates	Limits						
2-Fluorophenol	53%		%REC	20-140		09/10/24	09/10/24
Phenol-d6	36%		%REC	20-140		09/10/24	09/10/24
2,4,6-Tribromophenol	84%		%REC	20-140		09/10/24	09/10/24
Nitrobenzene-d5	91%		%REC	20-140		09/10/24	09/10/24
2-Fluorobiphenyl	89%		%REC	20-140		09/10/24	09/10/24
Terphenyl-d14	105%		%REC	20-140		09/10/24	09/10/24

Batch QC

Type: Lab Control Sample	Lab ID: QC1184778	Batch: 349769
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1184778 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	35.48	75.00	ug/L	47%		13-120
2-Chlorophenol	73.09	75.00	ug/L	97%		31-120
1,4-Dichlorobenzene	69.18	75.00	ug/L	92%		24-120
3-,4-Methylphenol	67.40	75.00	ug/L	90%		29-120
N-Nitroso-di-n-propylamine	81.72	75.00	ug/L	109%		32-120
2,4-Dimethylphenol	85.77	75.00	ug/L	114%		25-120
1,2,4-Trichlorobenzene	70.47	75.00	ug/L	94%		26-120
4-Chloro-3-methylphenol	79.38	75.00	ug/L	106%		39-120
2,4,5-Trichlorophenol	84.90	75.00	ug/L	113%		38-120
Acenaphthene	69.10	75.00	ug/L	92%		33-120
4-Nitrophenol	35.89	75.00	ug/L	48%		12-120
2,4-Dinitrotoluene	78.97	75.00	ug/L	105%		46-120
Pentachlorophenol	61.93	75.00	ug/L	83%		37-120
Pyrene	79.05	75.00	ug/L	105%		47-120
Chrysene	69.61	75.00	ug/L	93%		48-120
Benzo(b)fluoranthene	73.02	75.00	ug/L	97%		46-120
Surrogates						
2-Fluorophenol	26.99	40.00	ug/L	67%		20-140
Phenol-d6	17.66	40.00	ug/L	44%		20-140
2,4,6-Tribromophenol	38.63	40.00	ug/L	97%		20-140
Nitrobenzene-d5	44.15	40.00	ug/L	110%		20-140
2-Fluorobiphenyl	40.65	40.00	ug/L	102%		20-140
Terphenyl-d14	41.96	40.00	ug/L	105%		20-140

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1184779	Batch: 349769
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1184779 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	33.31	75.00	ug/L	44%		13-120	6	62
2-Chlorophenol	70.34	75.00	ug/L	94%		31-120	4	62
1,4-Dichlorobenzene	62.11	75.00	ug/L	83%		24-120	11	64
3-,4-Methylphenol	62.20	75.00	ug/L	83%		29-120	8	62
N-Nitroso-di-n-propylamine	78.05	75.00	ug/L	104%		32-120	5	65
2,4-Dimethylphenol	79.14	75.00	ug/L	106%		25-120	8	64
1,2,4-Trichlorobenzene	66.85	75.00	ug/L	89%		26-120	5	63
4-Chloro-3-methylphenol	74.07	75.00	ug/L	99%		39-120	7	58
2,4,5-Trichlorophenol	81.07	75.00	ug/L	108%		38-120	5	59
Acenaphthene	68.01	75.00	ug/L	91%		33-120	2	52
4-Nitrophenol	34.14	75.00	ug/L	46%		12-120	5	63
2,4-Dinitrotoluene	75.04	75.00	ug/L	100%		46-120	5	41
Pentachlorophenol	60.70	75.00	ug/L	81%		37-120	2	42
Pyrene	76.57	75.00	ug/L	102%		47-120	3	43
Chrysene	64.33	75.00	ug/L	86%		48-120	8	46
Benzo(b)fluoranthene	69.72	75.00	ug/L	93%		46-120	5	47
Surrogates								
2-Fluorophenol	25.16	40.00	ug/L	63%		20-140		
Phenol-d6	16.92	40.00	ug/L	42%		20-140		
2,4,6-Tribromophenol	42.64	40.00	ug/L	107%		20-140		
Nitrobenzene-d5	41.13	40.00	ug/L	103%		20-140		
2-Fluorobiphenyl	36.64	40.00	ug/L	92%		20-140		
Terphenyl-d14	40.77	40.00	ug/L	102%		20-140		

Type: Blank	Lab ID: QC1183984	Batch: 349527
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1183984 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.45	09/06/24	09/06/24
Surrogates							
				Limits			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		09/06/24	09/06/24

Type: Lab Control Sample	Lab ID: QC1183985	Batch: 349527
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1183985 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.480	10.00	ug/L	85%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.977	10.00	ug/L	100%		80-120

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1183986	Batch: 349527
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1183986 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.543	10.00	ug/L	85%		80-120	1	20
Surrogates								
1,4-Dioxane-d8 (SUR)	10.13	10.00	ug/L	101%		80-120		

Type: Sample Duplicate	Lab ID: QC1187267	Batch: 350472
Matrix (Source ID): Water (516318-007)	Method: SM 4500-H+ B	

QC1187267 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.660	7.670	SU		0	20	1
Temperature	18.20	17.70	deg C		3	20	1

Type: Blank	Lab ID: QC1184967	Batch: 349823
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1184967 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		09/10/24	09/10/24

Type: Lab Control Sample	Lab ID: QC1184968	Batch: 349823
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1184968 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1184969	Batch: 349823
Matrix (Source ID): Water (515413-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1184969 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: QC1184970	Batch: 349823
Matrix (Source ID): Water (515413-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1184970 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: QC1184265	Batch: 349606
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1184265 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		09/07/24	09/09/24

Type: Lab Control Sample	Lab ID: QC1184266	Batch: 349606
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1184266 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	952.0	1000	mg/L	95%		90-110

Type: Sample Duplicate	Lab ID: QC1184268	Batch: 349606
Matrix (Source ID): Water (515362-006)	Method: SM2540C	Prep Method: METHOD

QC1184268 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,766	1682	mg/L		5	5	2

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

Laboratory Job Number 515415

Subcontracted Products

American Environmental Testing



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

September 13, 2024

AETL Job No: BFI0062

Received Date: 09/06/2024

Project Number: EO-515415

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

Telephone: (714)771-6900

Attention: Zach Barker

Project Name: EO-515415

Site:

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hailley Coleman
Project Manager

Approved By:

Daljit Khangura
Laboratory Director

Table of Contents

Client Project Name: OPP & Herbicide Project Number: EO-515415
Work Order Number: BFI0062

1 Cover Letter 1

2 Sample Condition on Receipt 3

3 Chain of Custody 4

4 Cooler Receipt Form 5

5 Case Narrative 6

6 Samples Received 7

7 Positive Hits Summary 8

8 Analytical Results 9

9 Quality Control Results 10

10 Qualifiers and Definitions 13



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 5.5 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



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

Subcontract Laboratory:

American Environmental Testing
2840 N Naomi Street
Burbank, CA 91504-2023
ATTN: Hailley Coleman
PO #: Required, to be sent via email

Enthalpy Order: EO-515415

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

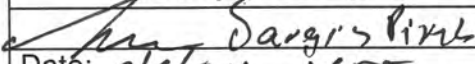
EDDs: Standard Excel Transfer File (3 tab xls: SAMPDAT, QC DATA,
LNOTE)

Notes:

BFI0062

BFI0062-01

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-30	04-SEP-2024 14:30	515415-001	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
		
	Date: 9/6/24 1655	Date:
	Date:	Date:
	Date:	Date:  9/6/24 1655



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

COOLER RECEIPT FORM

Client Name: Enthalpy				
Project Name: OPP & Herbicide			Project No.: EO-515415	
AETL Job Number: BF10062				
Date Received: 09/06/2024		Received by: Areg Alexandrian		
Carrier: ☐ AETL Courier ☒ Client ☐ GSL ☐ FedEx ☐ UPS				
☐ Others:				
Samples were received in: ☒ Cooler (1) ☐ Other (Specify):				
Sample Container Temperature: 5.5 °C IR Gun S/N: 51941911MV				
Type of sample containers: ☐ VOA, ☒ Glass bottles, ☐ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Acetate sleeves, ☐ 5035 Kit: ☐ AETL or ☐ Client, ☐ Tedlar Bags, Summa Canister: ☐ 6L, ☐ 3L, ☐ 1L, Others (Specify):				
How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice				
☒ None, ☐ HNO ₃ , ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ Na ₂ S ₂ O ₃ , ☐ MeOH, ☐ NaHSO ₄				
☐ Other (Specify):				
	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?			✓	
7. Are sample containers intact and in good condition?	✓			
8. Are samples preserved?	✓			
9. Are samples preserved properly for the intended analysis?	✓			
10. Are the VOAs free of headspace? See footnote.			✓	
11. Are the jars free of headspace?			✓	
12. Are there any samples with short hold times?		✓		

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

○ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

No analytical non-conformances were encountered.



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Samples Received

AETL received the following samples on 09/06/2024 with the following specifications

Client ID DW-30		Sample Date 09/4/2024 14:30	
Lab ID BFI0062-01	Matrix Aqueous	Quantity of Containers 1	
Analysis EPA 8141A	Units ug/L	TAT 5	
Total Number of Samples received:			1



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Positive Hits Summary

Lab ID	Client ID	Sampled			
Method	Analyte	Result	Qualifier	Unit	Analyzed

No positive results reported



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Analytical Results

Client ID: DW-30

Lab ID: BFI0062-01 (Aqueous)

Sampled: 09/04/24 14:30

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
---------	--------	-----------	----------	----	-------	--------------------	--------------------	-------	------------------	--------------

Organophosphorus Pesticides

Method: EPA 8141A

Azinphos-methyl	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Bolstar (Sulprofos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Chloropyrifos (Dursban)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Coumaphos	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Demeton-O & S	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Dichlorvos (DDVP, Diclorovos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Disulfoton	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Ethoprop	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Fensulfothion	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Fenthion	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Malathion	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Merphos	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Methyl parathion (Parathion methyl)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Mevinphos	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Naled	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Phorate (Phosphorodithioic acid)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Ronnel	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Tetrachlorvinphos (Stirophos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Tokuthion (Prothiofos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Trichloronate	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C
Surrogate: Tributylphosphate	Recovery			Acceptance Criteria						
	85.0%			40-150		09/09/24 15:03	09/10/24 02:05	B4I0077	TTN	3510C



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Quality Control Results

Organophosphorus Pesticides (EPA 8141A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Batch: B4I0077 - 3510C

Method Blank (B4I0077-BLK1)

Prepared: 09/09/2024 15:03

Analyzed: 09/10/2024 00:59

Azinphos-methyl	ND	0.400	ug/L
Bolstar (Sulprofos)	ND	0.400	ug/L
Chloropyrifos (Dursban)	ND	0.400	ug/L
Coumaphos	ND	0.400	ug/L
Demeton-O & S	ND	0.400	ug/L
Dichlorvos (DDVP, Diclorovos)	ND	0.400	ug/L
Disulfoton	ND	0.400	ug/L
Ethoprop	ND	0.400	ug/L
Fensulfothion	ND	0.400	ug/L
Fenthion	ND	0.400	ug/L
Malathion	ND	0.400	ug/L
Merphos	ND	0.400	ug/L
Methyl parathion (Parathion methyl)	ND	0.400	ug/L
Mevinphos	ND	0.400	ug/L
Naled	ND	0.400	ug/L
Phorate (Phosphorodithioic acid)	ND	0.400	ug/L
Ronnel	ND	0.400	ug/L
Tetrachlorvinphos (Stirophos)	ND	0.400	ug/L
Tokuthion (Prothiofos)	ND	0.400	ug/L
Trichloronate	ND	0.400	ug/L

Surrogate: Tributylphosphate

ND

ug/L

2.50

<

40-150



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Quality Control Results

Organophosphorus Pesticides (EPA 8141A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

Batch: B4I0077 - 3510C (Continued)

Prepared: 09/09/2024 15:03

LCS (B4I0077-BS1)

Analyzed: 09/09/2024 23:53

Azinphos-methyl	0.876	0.400	ug/L	2.00		43.8	30-150			
Bolstar (Sulprofos)	2.48	0.400	ug/L	2.00		124	30-160			
Chloropyrifos (Dursban)	2.34	0.400	ug/L	2.00		117	30-160			
Coumaphos	1.63	0.400	ug/L	2.00		81.3	30-160			
Demeton-O & S	0.715	0.400	ug/L	2.00		35.8	20-160			
Dichlorvos (DDVP, Diclorovos)	1.37	0.400	ug/L	2.00		68.4	30-160			
Disulfoton	2.22	0.400	ug/L	2.00		111	30-160			
Ethoprop	1.86	0.400	ug/L	2.00		92.8	30-160			
Fensulfothion	0.927	0.400	ug/L	2.00		46.3	30-160			
Fenthion	2.11	0.400	ug/L	2.00		105	30-160			
Malathion	1.66	0.400	ug/L	2.00		83.2	30-142			
Merphos	1.94	0.400	ug/L	2.00		97.0	30-160			
Methyl parathion (Parathion methyl)	2.31	0.400	ug/L	2.00		115	30-160			
Mevinphos	1.43	0.400	ug/L	2.00		71.3	30-160			
Naled	0.615	0.400	ug/L	2.00		30.7	30-160			
Phorate (Phosphorodithioic acid)	2.19	0.400	ug/L	2.00		110	30-160			
Ronnel	1.29	0.400	ug/L	2.00		64.7	30-160			
Tetrachlorvinphos (Stirophos)	1.35	0.400	ug/L	2.00		67.7	30-160			
Tokuthion (Prothiofos)	2.46	0.400	ug/L	2.00		123	30-160			
Trichloronate	2.29	0.400	ug/L	2.00		114	30-160			
Surrogate: Tributylphosphate	2.47		ug/L	2.50		98.9	40-150			

LCSD (B4I0077-BSD1)

Analyzed: 09/10/2024 00:26

Azinphos-methyl	0.953	0.400	ug/L	2.00		47.7	30-150	8.42	40	
Bolstar (Sulprofos)	2.69	0.400	ug/L	2.00		135	30-160	8.19	40	
Chloropyrifos (Dursban)	2.55	0.400	ug/L	2.00		127	30-160	8.48	40	
Coumaphos	1.76	0.400	ug/L	2.00		88.0	30-160	7.87	40	
Demeton-O & S	0.778	0.400	ug/L	2.00		38.9	20-160	8.39	40	
Dichlorvos (DDVP, Diclorovos)	1.46	0.400	ug/L	2.00		73.2	30-160	6.73	40	
Disulfoton	2.41	0.400	ug/L	2.00		121	30-160	8.49	40	
Ethoprop	2.01	0.400	ug/L	2.00		101	30-160	8.18	40	
Fensulfothion	0.957	0.400	ug/L	2.00		47.9	30-160	3.20	40	
Fenthion	2.29	0.400	ug/L	2.00		114	30-160	8.27	40	
Malathion	1.80	0.400	ug/L	2.00		90.2	30-142	8.17	40	
Merphos	2.11	0.400	ug/L	2.00		106	30-160	8.43	40	
Methyl parathion (Parathion methyl)	2.54	0.400	ug/L	2.00		127	30-160	9.76	40	
Mevinphos	1.51	0.400	ug/L	2.00		75.4	30-160	5.57	40	
Naled	0.693	0.400	ug/L	2.00		34.7	30-160	12.0	40	
Phorate (Phosphorodithioic acid)	2.38	0.400	ug/L	2.00		119	30-160	8.47	40	
Ronnel	1.38	0.400	ug/L	2.00		69.2	30-160	6.66	40	
Tetrachlorvinphos (Stirophos)	1.47	0.400	ug/L	2.00		73.6	30-160	8.28	40	



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Quality Control Results

Organophosphorus Pesticides (EPA 8141A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0077 - 3510C (Continued)				Prepared: 09/09/2024 15:03						
LCSD (B4I0077-BSD1)				Analyzed: 09/10/2024 00:26						
Tokuthion (Prothiofos)	2.67	0.400	ug/L	2.00		133	30-160	8.11	40	
Trichloronate	2.48	0.400	ug/L	2.00		124	30-160	8.15	40	
Surrogate: Tributylphosphate	2.58		ug/L	2.50		103	40-150			



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

Qualifiers and Definitions

ITEM	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868

AETL Job Number: BFI0062
Project Number: EO-515415
Attention: Zach Barker
Project Name: EO-515415

Reported: 09/13/2024 10:31

ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

Laboratory Job Number 515415

Subcontracted Products

Enthalpy - El Dorado Hills



September 12, 2024

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2409044**

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

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on September 06, 2024 under your Project Name 'EO-515415'.

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

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

Sincerely,

Mark Rein
Project Manager

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

Enthalpy Analytical - EDH Work Order No. 2409044

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 8290A

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

Holding Times

The method holding time criteria was met for this sample.

Quality Control

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

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

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

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	9
Certifications.....	10
Sample Receipt.....	11

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2409044-01	DW-30	04-Sep-24 14:30	06-Sep-24 11:20	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank				EPA Method 8290A		
Client Data Name: Enthalpy Analytical Project: EO-515415 Matrix: Aqueous			Laboratory Data Lab Sample: B24I050-BLK1 QC Batch: B24I050 Sample Size: 1.00 L Date Extracted: 09-Sep-24 Column: ZB-DIOXIN			
Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.922			10-Sep-24 21:49	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	101	40 - 135		10-Sep-24 21:49	1
37Cl-2,3,7,8-TCDD	CRS	113	40 - 135		10-Sep-24 21:49	1

EDL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

Sample ID: OPR
EPA Method 8290A
Client Data

Name: Enthalpy Analytical
 Project: EO-515415
 Matrix: Aqueous

Laboratory Data

Lab Sample: B24I050-BS1
 QC Batch: B24I050 Date Extracted: 09-Sep-24 10:56
 Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	199	200	99.5	70 - 130		10-Sep-24 18:43	1
Labeled Standards	Type		% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS		89.7	40 - 135		10-Sep-24 18:43	1
37Cl-2,3,7,8-TCDD	CRS		104	40 - 135		10-Sep-24 18:43	1

Sample ID: DW-30				EPA Method 8290A		
Client Data Name: Enthalpy Analytical Project: EO-515415 Matrix: Water Date Collected: 04-Sep-24 14:30			Laboratory Data Lab Sample: 2409044-01 QC Batch: B24I050 Sample Size: 0.992 L Date Received: 06-Sep-24 11:20 Date Extracted: 09-Sep-24 Column: ZB-DIOXIN			
Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	2.22			11-Sep-24 03:16	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	90.4	40 - 135		11-Sep-24 03:16	1
37Cl-2,3,7,8-TCDD	CRS	106	40 - 135		11-Sep-24 03:16	1

EDL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

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

Enthalpy Analytical - EDH Certifications

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

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



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

Subcontract Laboratory:

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

Enthalpy Order: EO-515415

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

Results Due: Standard TAT

Report Level: II

Report To: MDL

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

2409044 1.0°C

Notes:

Chiquita Canyon LF New Wells RM22.1077.00/13

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-30	04-SEP-2024 14:30	515415-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	JEBERT QUITANA	MS
	Date: 9/5/24	Date: 09/06/24 1120
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2409044

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2409044-01	A DW-30	515415-001	04-Sep-24 14:30	Amber Glass NM Bottle, 1L	Aqueous	

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

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

Comments: (A) No back up volume.

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: JT 09/06/24
MWS 09/06/24

ENTHALPY ANALYTICAL REPORT 516176
DW-30 AND DW-31 CHLORINATED HERBICIDES AND CARBON DIOXIDE
RESAMPLE ANALYTICAL RESULTS



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

enthalpy.com

Lab Job Number : 516176
Report Level : II
Report Date : 09/20/2024

Analytical Report *prepared for:*

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA 94954

Location: Chiquita Canyon LF New Wells, RM22.1077.00/13

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

Adrienne	Lab Job #:	516176
Thibeault	Location:	Chiquita Canyon LF New Wells, RM22.1077.00/13
RMC Geoscience	Date Received:	09/16/24
775 Baywood		
Drive		
Suite 305		
Petaluma, CA		
94954		

Sample ID	Lab ID	Collected	Matrix
DW-30	516176-001	09/16/24 11:16	Water
DW-31	516176-002	09/16/24 09:02	Water

Case Narrative

RMC Geoscience	Lab Job 516176
775 Baywood Drive	Number:
Suite 305	Location: Chiquita Canyon LF New Wells,
Petaluma, CA 94954	RM22.1077.00/13
Adrienne Thibeault	Date Received: 09/16/24

This data package contains sample and QC results for two water samples, requested for the above referenced project on 09/16/24. The samples were received cold and intact.

8151A Chlorinated Herbicides (EPA 8151A):

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

RSK-175 CO2 (RSK-175):

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



ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record

Lab No: 516176

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard: ☒ 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:
15.8/15.2 20 1 CE
(lab use only)

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	Geo-logic Associates	Name:	Chiquita Canyon LF New Wells												
Report To:	Adrienne Thibeault	Number:	RM22.1077.00/13												
Email:	athibeault@geo-logic.com	P.O. #:													
Address:	2777 East Guasti Rd, Ontario CA, 91761	Address:	29201 Henry Mayo Drive, Castaic, CA 91384												
Phone:	1-949-677-1093	Global ID:	1003464243												
Fax:		Sampled By:	RR/JR												
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.										
1 DW-30	9/16/24	1116	W	4	✓										
2 DW-31	9/16/24	0902	W	4	✓										
3															
4															
5															
6															
7															
8															
9															
10															

Signature	Print Name	Company / Title	Date / Time
<u>Ryan C. Rivera</u>	Ryan C. Rivera	Geo-logic Associates	9/16/24 1:22 pm
<u>Adrienne Thibeault</u>	Adrienne Thibeault	EA	9-16-24 1324

SAMPLE RECEIPT CHECKLIST


Section 1: General Info

 Date Received: 9/16/24 WO# 516176 Client: GEO-LOGIC
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 9/16/24 By (initials) ABD

 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: IR01 CF: -0.6

 Cooler Temp (°C) #1: 15.8 / 15.2 #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples
☒ No microbiology samples submitted (skip 3b)

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

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples
☒ No air samples submitted (skip 3c)

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

Section 4: Containers / Labels / Samples

	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			X
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments
☐ PM notified

 Date Logged 9/16/24 By (print) Berkely (sign) _____
 Date Labeled 9/16/24 By (print) TLK (sign) [Signature]

Laboratory Job Number 516176

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2409B05

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 058321

Project: EO-516176

Project Location:

Project Received: 09/18/2024

Analytical Report reviewed & approved for release on 09/20/2024 by:

Yen Cao

Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

WorkOrder: 2409B05

Project: EO-516176

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 % 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
SPK Val	Spike Value

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: 2409B05

Project: EO-516176

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

Analytical Qualifiers

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

Quality Control Qualifiers

F7 The LCS/LCSD recovery is above the upper control limit. The target analyte(s) were Not Detected (ND); therefore, the data is reportable.



Analytical Report

Client: Enthalpy Analytical
Date Received: 09/18/2024 9:10
Date Prepared: 09/18/2024
Project: EO-516176

WorkOrder: 2409B05
Extraction Method: SW8151A
Analytical Method: SW8151A
Unit: µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2409B05-001A	Water	09/16/2024 11:16	GC15A 09192417.D	302194

Analytes	Result	MDL	RL	DE	Date Analyzed
Acifluorfen	ND	1.3	5.0	5	09/19/2024 14:36
Bentazon	ND	2.0	5.0	5	09/19/2024 14:36
Chloramben	ND	1.6	5.0	5	09/19/2024 14:36
2,4-D (Dichlorophenoxyacetic acid)	ND	0.30	1.0	5	09/19/2024 14:36
2,4-DB	ND	1.0	5.0	5	09/19/2024 14:36
Dalapon	ND	2.0	5.0	5	09/19/2024 14:36
DCPA (mono & diacid)	ND	0.70	5.0	5	09/19/2024 14:36
Dicamba	ND	0.30	1.0	5	09/19/2024 14:36
3,5-Dichlorobenzoic Acid	ND	0.95	5.0	5	09/19/2024 14:36
Dichloroprop	ND	0.90	5.0	5	09/19/2024 14:36
Dinoseb (DNBP)	ND	0.90	5.0	5	09/19/2024 14:36
MCPA	ND	7.0	10	5	09/19/2024 14:36
MCPP	ND	3.8	10	5	09/19/2024 14:36
4-Nitrophenol	ND	2.5	5.0	5	09/19/2024 14:36
Pentachlorophenol (PCP)	ND	0.28	1.0	5	09/19/2024 14:36
Picloram	ND	1.8	5.0	5	09/19/2024 14:36
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.28	1.0	5	09/19/2024 14:36
2,4,5-TP (Silvex)	ND	0.70	2.5	5	09/19/2024 14:36

Surrogates	REC (%)	Limits	
DCAA	83	60-140	09/19/2024 14:36

Analyst(s): DP

Analytical Comments: a3

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enthalpy Analytical
Date Received: 09/18/2024 9:10
Date Prepared: 09/18/2024
Project: EO-516176

WorkOrder: 2409B05
Extraction Method: SW8151A
Analytical Method: SW8151A
Unit: µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2409B05-002A	Water	09/16/2024 09:02	GC15A 09192418.D	302194

Analytes	Result	MDL	RL	DF	Date Analyzed
Acifluorfen	ND	2.6	10	10	09/19/2024 15:02
Bentazon	ND	4.1	10	10	09/19/2024 15:02
Chloramben	ND	3.1	10	10	09/19/2024 15:02
2,4-D (Dichlorophenoxyacetic acid)	ND	0.59	2.0	10	09/19/2024 15:02
2,4-DB	ND	2.1	10	10	09/19/2024 15:02
Dalapon	ND	3.9	10	10	09/19/2024 15:02
DCPA (mono & diacid)	ND	1.4	10	10	09/19/2024 15:02
Dicamba	ND	0.59	2.0	10	09/19/2024 15:02
3,5-Dichlorobenzoic Acid	ND	1.9	10	10	09/19/2024 15:02
Dichloroprop	ND	1.8	10	10	09/19/2024 15:02
Dinoseb (DNBP)	ND	1.8	10	10	09/19/2024 15:02
MCPA	ND	14	20	10	09/19/2024 15:02
MCPP	ND	7.7	20	10	09/19/2024 15:02
4-Nitrophenol	ND	5.0	10	10	09/19/2024 15:02
Pentachlorophenol (PCP)	ND	0.55	2.0	10	09/19/2024 15:02
Picloram	ND	3.5	10	10	09/19/2024 15:02
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.56	2.0	10	09/19/2024 15:02
2,4,5-TP (Silvex)	ND	1.4	5.0	10	09/19/2024 15:02

Surrogates	REC (%)	Limits	
DCAA	85	60-140	09/19/2024 15:02

Analyst(s): DP

Analytical Comments: a3



Analytical Report

Client: Enthalpy Analytical
Date Received: 09/18/2024 9:10
Date Prepared: 09/18/2024
Project: EO-516176

WorkOrder: 2409B05
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	2409B05-001B	Water	09/16/2024 11:16	GC26 0918241204.D	302191

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	8500	1000	1000	20	09/18/2024 14:04

Analyst(s): PRE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-31	2409B05-002B	Water	09/16/2024 09:02	GC26 0918241205.D	302191

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Carbon Dioxide	49,000	2500	2500	50	09/18/2024 14:29

Analyst(s): PRE



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 09/18/2024
Date Analyzed: 09/19/2024
Instrument: GC15A
Matrix: Water
Project: EO-516176

WorkOrder: 2409B05
BatchID: 302194
Extraction Method: SW8151A
Analytical Method: SW8151A
Unit: µg/L
Sample ID: MB/LCS/LCSD-302194

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	7.9			10	79	70-130

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 09/18/2024
Date Analyzed: 09/19/2024
Instrument: GC15A
Matrix: Water
Project: EO-516176

WorkOrder: 2409B05
BatchID: 302194
Extraction Method: SW8151A
Analytical Method: SW8151A
Unit: µg/L
Sample ID: MB/LCS/LCSD-302194

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	8.1	8.3	10	81	83	70-130	2.27	30
Bentazon	8.5	8.8	10	85	88	70-130	3.20	30
Chloramben	7.9	8.4	10	79	84	70-130	6.10	30
2,4-D (Dichlorophenoxyacetic acid)	7.9	8.3	10	79	83	70-130	4.57	30
2,4-DB	7.9	8.4	10	79	84	70-130	6.16	30
Dalapon	7.7	8.0	10	77	80	70-130	4.00	30
DCPA (mono & diacid)	7.9	8.1	10	79	81	70-130	3.24	30
Dicamba	8.2	8.6	10	82	86	70-130	5.01	30
3,5-Dichlorobenzoic Acid	8.0	8.4	10	80	84	70-130	4.78	30
Dichloroprop	7.9	8.3	10	79	83	70-130	5.21	30
Dinoseb (DNBP)	8.1	8.5	10	81	85	70-130	5.06	30
MCPA	84	90	100	84	90	70-130	7.47	30
MCPP	85	86	100	85	86	70-130	0.840	30
4-Nitrophenol	23	24	10	228,F7	238,F7	70-130	3.92	30
Pentachlorophenol (PCP)	8.0	8.4	10	80	84	70-130	4.79	30
Picloram	7.7	7.9	10	77	79	70-130	2.76	30
2,4,5-T (Trichlorophenoxy acetic acid)	7.9	8.3	10	79	83	70-130	5.85	30
2,4,5-TP (Silvex)	8.0	8.4	10	80	84	70-130	4.61	30
Surrogate Recovery								
DCAA	8.0	8.8	10	80	88	70-130	8.66	30



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 09/18/2024
Date Analyzed: 09/18/2024
Instrument: GC26
Matrix: Water
Project: EO-516176

WorkOrder: 2409B05
BatchID: 302191
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-302191

QC Summary Report for RSK175

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

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	140	140	187.2	77	77	70-130	0.502	30

McC Campbell Analytical, Inc.



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

☐ WaterTrax ☐ CLIP ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2409B05

ClientCode: ENO

QuoteID: 243367

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

Report to:

Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(916) 202-6379 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 058321
Project: EO-516176

Bill to:

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

Requested TAT: 2 days;

Date Received: 09/18/2024

Date Logged: 09/18/2024

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2409B05-001	DW-30	Water	9/16/2024 11:16	☐	A	A	B									
2409B05-002	DW-31	Water	9/16/2024 09:02	☐	A	A	B									

Test Legend:

1	8151_W	2	PRDisposal Fee	3	RSK175_CO2_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

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.



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-516176

Work Order: 2409B05

Client Contact: Zach Barker

QC Level: LEVEL 2

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

Comments:

Date Logged: 9/18/2024

☐ 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	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	9/16/2024 11:16	2 days	9/20/2024	Present	☐	☐
001B	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/16/2024 11:16	2 days	9/20/2024	Present	☐	☐
002A	DW-31	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	9/16/2024 9:02	2 days	9/20/2024	Present	☐	☐
002B	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/16/2024 9:02	2 days	9/20/2024	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.

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

Enthalpy Order: EO-516176
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: 09/20/2024
Report Level: II
Report To: MDL
EDDs: Standard Excel
EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-30	16-SEP-2024 11:16	516176-001	1	Water	EPA 8151A Chlorinated Herbicides	
			3	Water	RSK-175 CO2	CO2 Only. Quote #243367.
DW-31	16-SEP-2024 09:02	516176-002	1	Water	EPA 8151A Chlorinated Herbicides	
			3	Water	RSK-175 CO2	CO2 Only. Quote #243367.

Notes:	Relinquished By:	Received By:
	JELBERT QUITUGUA <i>J. Quitugua</i>	
	Date: 9/17/24 1450	Date:
	Date:	Date: 09/18/24 0910
	Date:	Date:

FedEx: 7786 419 1483

0.3 curt
1241



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-516176

Date and Time Received: 9/18/2024 09:10

Date Logged: 9/18/2024

Received by: Natalie Zaragoza

Logged by: Natalie Zaragoza

WorkOrder №: 2409B05

Matrix:

Carrier: FedEx

Chain of Custody (COC) Information

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

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: 0.3°C	NA ☐	
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☒	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☒	No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐	No ☐	NA ☒

UCMR Samples:

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

Comments: