

ENTHALPY ANALYTICAL REPORT 530431
FP-01 INITIAL ANALYTICAL RESULTS



Enthalpy Analytical
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Lab Job Number : 530431
Report Level : II
Report Date : 04/18/2025

Analytical Report *prepared for:*

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

Location: Chiquita Canyon Sampling / RM 22.1077.00\ph13

Authorized for release by:

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

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

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



Sample Summary

Adrienne Thibeault	Lab Job #:	530431
RMC Geoscience	Location:	Chiquita Canyon Sampling / RM 22.1077.00\ph13
775 Baywood	Date Received:	04/04/25
Drive		
Suite 305		
Petaluma, CA		
94954		

Sample ID	Lab ID	Collected	Matrix
FP-01	530431-001	04/04/25 12:15	Water
FIELD BLANK	530431-002	04/04/25 00:00	Water

Case Narrative

RMC Geoscience	Lab Job Number: 530431
775 Baywood Drive	Location: Chiquita Canyon Sampling / RM
Suite 305	22.1077.00\ph13
Petaluma, CA 94954	Date Received: 04/04/25
Adrienne Thibeault	

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

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

- Low recovery was observed for MTBE in the BSD for batch 368097; the associated RPD was within limits, and the low recovery was not associated with any reported results.
- Low recoveries were observed for MTBE in the MS/MSD for batch 368097; the parent sample was not a project sample, the associated RPD was within limits, and these low recoveries were not associated with any reported results.
- A number of analytes were detected between the MDL and the RL in the method blank for batch 368097; these analytes were not detected in the sample at or above the RL.
- FIELD BLANK (lab # 530431-002) had pH greater than 2.
- No other analytical problems were encountered.

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

No analytical problems were encountered.

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

No analytical problems were encountered.

Pesticides (EPA 8081A):

No analytical problems were encountered.

Total Organic Carbon by IR (SM 5310B):

No analytical problems were encountered.

PCBs (EPA 8082):

- High surrogate recovery was observed for decachlorobiphenyl (PCB) in the BSD for batch 368055.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):

No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Nitrogen, nitrate was detected at or above the RL in the CCB analyzed 04/04/25 20:35; affected data was qualified with "b".
- High response was observed for sulfate in the CCV analyzed 04/05/25 08:32; affected data was qualified with "b".
- Responses exceeding the instrument's linear range were observed for chloride and sulfate in the MS/MSD for batch 367965 and the MS/MSD for batch 368171; affected data was qualified with "E".
- No other analytical problems were encountered.

Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):

No analytical problems were encountered.

Alkalinity (SM2320B):

No analytical problems were encountered.

Sulfide (SM 4500-S2-D):

No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):

No analytical problems were encountered.

pH of Aqueous Samples (SM 4500-H+ B):

No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):

No analytical problems were encountered.

Cyanide - Semi-Automated Method (EPA 335.4):

No analytical problems were encountered.

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

No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):

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

8151A Chlorinated Herbicides (EPA 8151A):

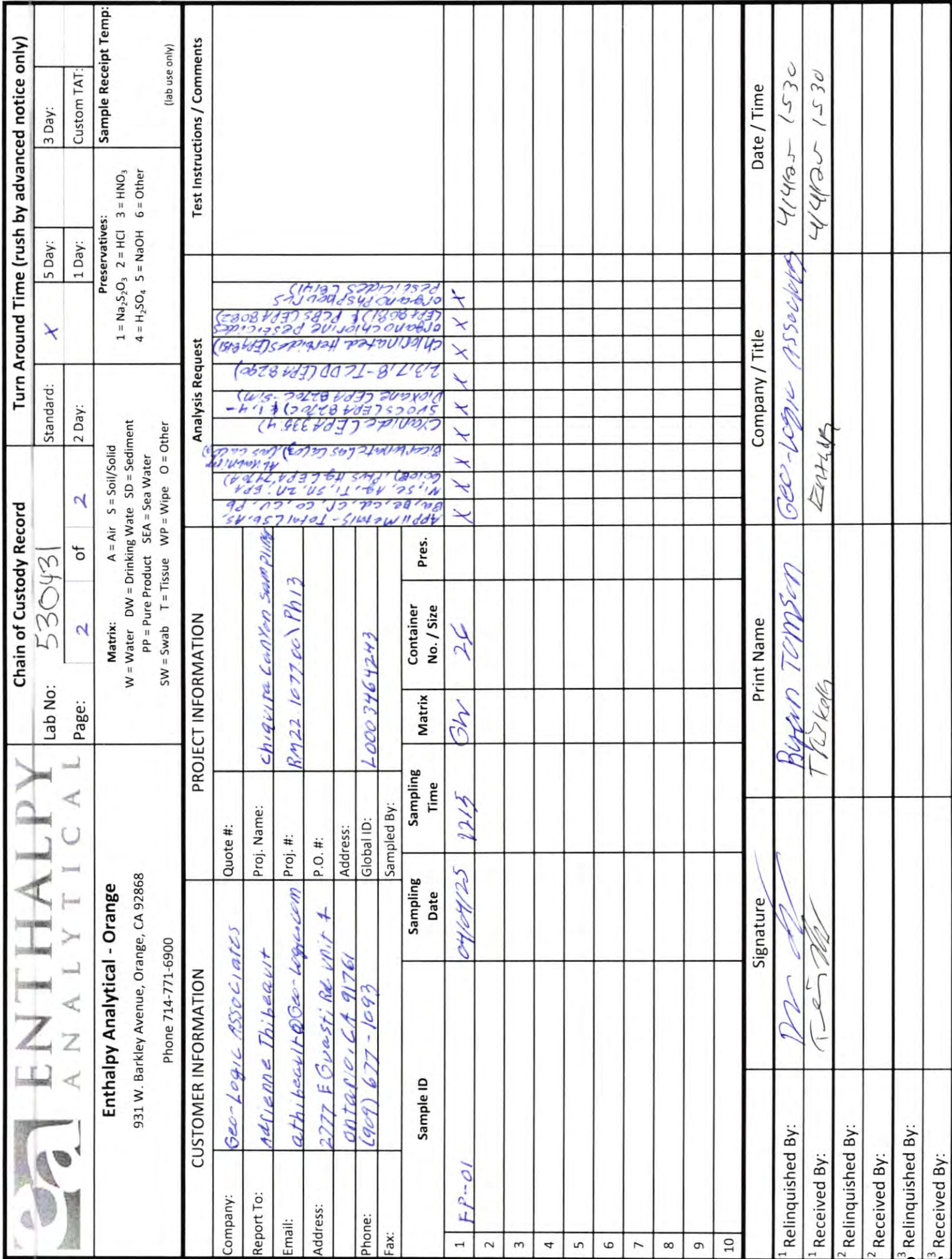
McC Campbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McC Campbell Analytical, Inc. case narrative.

RSK-175 CO2 (RSK-175):

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

Dioxins & Furans (EPA 8290):

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



SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 4/4/25 WO# 530431 Client: Geo-Logic (Chippewa Canyon)

Section 2: Shipping / Custody

Are custody seals present? ☐ Yes ☒ No

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

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

Section 3a: Condition / Packaging

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

Date Opened 4/4/25 By (initials) TLK Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

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

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

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 40.0

Cooler Temp (°C) #1: 1.3 / 1.3 #2: 2.5 / 2.5 #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

Section 3b: Microbiology Samples

☒ No microbiology samples submitted (skip 3b)

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

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples

☒ No air samples submitted (skip 3c)

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

Section 4: Containers / Labels / Samples

YES NO N/A

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

☒ ☐ ☐

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

☐ ☒ ☐

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

☒ ☐ ☐

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

☐ ☐ ☒

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

☒ ☐ ☐

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

☒ ☐ ☐

7) Does the container count match the CoC?

☐ ☒ ☐

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

☒ ☐ ☐

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

☒ ☐ ☐

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

☒ ☐ ☐

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

☒ ☐ ☐

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

☐ ☐ ☒

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

☒ ☐ ☐

Section 5: Explanations / Comments

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

4.7: Received 27 containers, CoC lists 26.

★ Received 1x 1L amber sulfuric and 2x 500mL amber sulfuric.

☐ No additional discrepancies

Date Logged 4/4/25 By (print) ABD

(sign) ABD

Date Labeled 4/4/25 By (print) HXD

(sign) _____

Analysis Results for 530431

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

Lab Job #: 530431
Location: Chiquita Canyon Sampling / RM 22.1077.00\ph13
Date Received: 04/04/25

Sample ID: FP-01

Lab ID: 530431-001

Collected: 04/04/25 12:15

Matrix: Water

530431-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	0.39		mg/L	0.20	0.034	1	367965	04/04/25 14:40	04/05/25 11:56	AJL
Chloride	120		mg/L	1.0	0.27	1	367965	04/04/25 14:40	04/05/25 11:56	AJL
Bromide	0.45		mg/L	0.30	0.060	1	367965	04/04/25 14:40	04/05/25 11:56	AJL
Nitrogen, Nitrate	0.43		mg/L	0.10	0.05	1	367965	04/04/25 14:40	04/05/25 11:56	AJL
Sulfate	470		mg/L	10	1.8	10	368171	04/07/25 19:40	04/08/25 01:03	AJL
Method: EPA 335.4 Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0021	0.5	368141	04/07/25	04/07/25	DAD
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.050	1	368041	04/05/25	04/07/25	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	33		mg/L	4.0	2.0	1	368205	04/08/25	04/08/25	DXA
Method: EPA 6010B Prep Method: EPA 3015A										
Antimony	ND		mg/L	0.030	0.011	1	368099	04/07/25	04/07/25	SBW
Arsenic	ND		mg/L	0.010	0.0045	1	368099	04/07/25	04/07/25	SBW
Barium	0.061		mg/L	0.010	0.0022	1	368099	04/07/25	04/07/25	SBW
Beryllium	ND		mg/L	0.0050	0.00017	1	368099	04/07/25	04/07/25	SBW
Boron	0.42		mg/L	0.050	0.0055	1	368099	04/07/25	04/07/25	SBW
Cadmium	ND		mg/L	0.0050	0.00096	1	368099	04/07/25	04/07/25	SBW
Calcium	170		mg/L	0.57	0.57	1	368099	04/07/25	04/07/25	SBW
Chromium	ND		mg/L	0.010	0.0023	1	368099	04/07/25	04/07/25	SBW
Cobalt	0.0032	J	mg/L	0.0050	0.0022	1	368099	04/07/25	04/07/25	SBW
Copper	ND		mg/L	0.010	0.0059	1	368099	04/07/25	04/07/25	SBW
Iron	0.18		mg/L	0.046	0.046	1	368099	04/07/25	04/07/25	SBW
Lead	ND		mg/L	0.010	0.0028	1	368099	04/07/25	04/07/25	SBW
Magnesium	34		mg/L	0.10	0.025	1	368099	04/07/25	04/07/25	SBW
Manganese	0.90		mg/L	0.010	0.0029	1	368099	04/07/25	04/07/25	SBW
Nickel	0.0066	J	mg/L	0.010	0.0033	1	368099	04/07/25	04/07/25	SBW
Potassium	2.1		mg/L	0.50	0.40	1	368099	04/07/25	04/07/25	SBW
Selenium	ND		mg/L	0.030	0.0098	1	368099	04/07/25	04/07/25	SBW
Silver	ND		mg/L	0.0050	0.0015	1	368099	04/07/25	04/07/25	SBW
Sodium	140		mg/L	0.50	0.35	1	368099	04/07/25	04/07/25	SBW

Analysis Results for 530431

530431-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Thallium	ND		mg/L	0.030	0.011	1	368099	04/07/25	04/07/25	SBW
Tin	ND		mg/L	0.020	0.0026	1	368099	04/07/25	04/07/25	SBW
Titanium	ND		mg/L	0.010	0.0039	1	368099	04/07/25	04/07/25	SBW
Vanadium	0.0016	J	mg/L	0.010	0.0012	1	368099	04/07/25	04/07/25	SBW
Zinc	ND		mg/L	0.050	0.013	1	368099	04/07/25	04/07/25	SBW

Method: EPA 7470A

Prep Method: EPA 7470A

Mercury	ND		ug/L	0.40	0.17	1	368108	04/07/25	04/07/25	MLL
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Method: EPA 8081A

Prep Method: EPA 3510C

alpha-BHC	ND		ug/L	0.05	0.02	0.96	368055	04/05/25	04/07/25	XLY
beta-BHC	ND		ug/L	0.05	0.02	0.96	368055	04/05/25	04/07/25	XLY
gamma-BHC	ND		ug/L	0.05	0.02	0.96	368055	04/05/25	04/07/25	XLY
delta-BHC	ND		ug/L	0.05	0.02	0.96	368055	04/05/25	04/07/25	XLY
Heptachlor	ND		ug/L	0.05	0.01	0.96	368055	04/05/25	04/07/25	XLY
Aldrin	ND		ug/L	0.05	0.02	0.96	368055	04/05/25	04/07/25	XLY
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.96	368055	04/05/25	04/07/25	XLY
Endosulfan I	ND		ug/L	0.05	0.02	0.96	368055	04/05/25	04/07/25	XLY
Dieldrin	ND		ug/L	0.1	0.01	0.96	368055	04/05/25	04/07/25	XLY
4,4'-DDE	ND		ug/L	0.1	0.02	0.96	368055	04/05/25	04/07/25	XLY
Endrin	ND		ug/L	0.1	0.02	0.96	368055	04/05/25	04/07/25	XLY
Endosulfan II	ND		ug/L	0.1	0.02	0.96	368055	04/05/25	04/07/25	XLY
Endosulfan sulfate	ND		ug/L	0.1	0.02	0.96	368055	04/05/25	04/07/25	XLY
4,4'-DDD	ND		ug/L	0.1	0.02	0.96	368055	04/05/25	04/07/25	XLY
Endrin aldehyde	ND		ug/L	0.1	0.03	0.96	368055	04/05/25	04/07/25	XLY
Endrin ketone	ND		ug/L	0.1	0.02	0.96	368055	04/05/25	04/07/25	XLY
4,4'-DDT	ND		ug/L	0.1	0.04	0.96	368055	04/05/25	04/07/25	XLY
Methoxychlor	ND		ug/L	0.1	0.06	0.96	368055	04/05/25	04/07/25	XLY
Toxaphene	ND		ug/L	1.9	0.8	0.96	368055	04/05/25	04/07/25	XLY
Chlordane (Technical)	ND		ug/L	1.0	0.2	0.96	368055	04/05/25	04/07/25	XLY

Surrogates

Limits

TCMX	60%	%REC	14-120	0.96	368055	04/05/25	04/07/25	XLY
Decachlorobiphenyl	98%	%REC	20-120	0.96	368055	04/05/25	04/07/25	XLY

Method: EPA 8082

Prep Method: EPA 3510C

Aroclor-1016	ND		ug/L	0.48	0.36	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1221	ND		ug/L	0.48	0.39	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1232	ND		ug/L	0.48	0.34	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1242	ND		ug/L	0.48	0.33	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1248	ND		ug/L	0.48	0.33	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1254	ND		ug/L	0.48	0.17	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1260	ND		ug/L	0.48	0.43	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1262	ND		ug/L	0.48	0.38	0.96	368055	04/05/25	04/07/25	XLY
Aroclor-1268	ND		ug/L	0.48	0.24	0.96	368055	04/05/25	04/07/25	XLY

Surrogates

Limits

Decachlorobiphenyl (PCB)	111%	%REC	18-126	0.96	368055	04/05/25	04/07/25	XLY
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Method: EPA 8260B

Prep Method: EPA 5030B

Carbon Disulfide	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Chloroprene	ND		ug/L	200	0.4	1	368295	04/09/25	04/09/25	EJB
3-Chloropropene	ND		ug/L	5.0	0.6	1	368295	04/09/25	04/09/25	EJB

Analysis Results for 530431

530431-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Ethyl methacrylate	ND		ug/L	50	2.4	1	368295	04/09/25	04/09/25	EJB
2-Hexanone	ND		ug/L	5.0	1.5	1	368295	04/09/25	04/09/25	EJB
Iodomethane	ND		ug/L	5.0	1.0	1	368295	04/09/25	04/09/25	EJB
Methyl acrylonitrile	ND		ug/L	35	2.9	1	368295	04/09/25	04/09/25	EJB
Methyl methacrylate	ND		ug/L	5.0	2.3	1	368295	04/09/25	04/09/25	EJB
Vinyl Acetate	ND		ug/L	50	2.6	1	368295	04/09/25	04/09/25	EJB
Acrolein	ND		ug/L	200	2.2	1	368097	04/07/25	04/07/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	368097	04/07/25	04/07/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	368295	04/09/25	04/09/25	EJB
Chloromethane	ND		ug/L	5.0	0.4	1	368295	04/09/25	04/09/25	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Bromomethane	ND		ug/L	5.0	0.8	1	368295	04/09/25	04/09/25	EJB
Chloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Acetone	ND		ug/L	100	17	1	368295	04/09/25	04/09/25	EJB
Freon 113	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Methylene Chloride	ND		ug/L	5.0	3.5	1	368295	04/09/25	04/09/25	EJB
MTBE	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
2-Butanone	ND		ug/L	100	2.0	1	368295	04/09/25	04/09/25	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Chloroform	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Benzene	ND		ug/L	1.0	0.1	1	368295	04/09/25	04/09/25	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Bromodichloromethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	368295	04/09/25	04/09/25	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Toluene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Tetrachloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Dibromochloromethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	368295	04/09/25	04/09/25	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Styrene	ND		ug/L	5.0	0.08	1	368295	04/09/25	04/09/25	EJB
Bromoform	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Isopropylbenzene	ND		ug/L	5.0	0.09	1	368295	04/09/25	04/09/25	EJB

Analysis Results for 530431

530431-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Propylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
Bromobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	368295	04/09/25	04/09/25	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
n-Butylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	368295	04/09/25	04/09/25	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Naphthalene	ND		ug/L	5.0	0.3	1	368295	04/09/25	04/09/25	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	EJB
Xylene (total)	ND		ug/L	5.0		1	368295	04/09/25	04/09/25	EJB
Surrogates	Limits									
Dibromofluoromethane	97%		%REC	70-130		1	368295	04/09/25	04/09/25	EJB
1,2-Dichloroethane-d4	104%		%REC	70-130		1	368295	04/09/25	04/09/25	EJB
Toluene-d8	99%		%REC	70-130		1	368295	04/09/25	04/09/25	EJB
Bromofluorobenzene	98%		%REC	70-130		1	368295	04/09/25	04/09/25	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	3.4		ug/L	1.0	0.88	1	367968	04/04/25	04/05/25	TJW
Surrogates	Limits									
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		1	367968	04/04/25	04/05/25	TJW
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	9.4	1.8	0.94	367928	04/05/25	04/05/25	TJW
Pyridine	ND		ug/L	9.4	1.6	0.94	367928	04/05/25	04/05/25	TJW
N-Nitrosodimethylamine	ND		ug/L	9.4	2.6	0.94	367928	04/05/25	04/05/25	TJW
Phenol	ND		ug/L	9.4	1.6	0.94	367928	04/05/25	04/05/25	TJW
Aniline	ND		ug/L	9.4	3.0	0.94	367928	04/05/25	04/05/25	TJW
bis(2-Chloroethyl)ether	ND		ug/L	24	3.7	0.94	367928	04/05/25	04/05/25	TJW
2-Chlorophenol	ND		ug/L	9.4	3.6	0.94	367928	04/05/25	04/05/25	TJW
1,3-Dichlorobenzene	ND		ug/L	9.4	3.8	0.94	367928	04/05/25	04/05/25	TJW
1,4-Dichlorobenzene	ND		ug/L	9.4	3.9	0.94	367928	04/05/25	04/05/25	TJW
Benzyl alcohol	ND		ug/L	9.4	4.9	0.94	367928	04/05/25	04/05/25	TJW
1,2-Dichlorobenzene	ND		ug/L	9.4	3.7	0.94	367928	04/05/25	04/05/25	TJW
2-Methylphenol	ND		ug/L	9.4	3.1	0.94	367928	04/05/25	04/05/25	TJW
bis(2-Chloroisopropyl) ether	ND		ug/L	9.4	4.1	0.94	367928	04/05/25	04/05/25	TJW
3,4-Methylphenol	ND		ug/L	9.4	2.9	0.94	367928	04/05/25	04/05/25	TJW
N-Nitroso-di-n-propylamine	ND		ug/L	9.4	3.9	0.94	367928	04/05/25	04/05/25	TJW
Hexachloroethane	ND		ug/L	9.4	3.5	0.94	367928	04/05/25	04/05/25	TJW

Analysis Results for 530431

530431-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Nitrobenzene	ND		ug/L	24	7.9	0.94	367928	04/05/25	04/05/25	TJW
Isophorone	ND		ug/L	9.4	4.0	0.94	367928	04/05/25	04/05/25	TJW
2-Nitrophenol	ND		ug/L	9.4	4.3	0.94	367928	04/05/25	04/05/25	TJW
2,4-Dimethylphenol	ND		ug/L	9.4	3.5	0.94	367928	04/05/25	04/05/25	TJW
Benzoic acid	ND		ug/L	47	7.2	0.94	367928	04/05/25	04/05/25	TJW
bis(2-Chloroethoxy)methane	ND		ug/L	9.4	3.7	0.94	367928	04/05/25	04/05/25	TJW
2,4-Dichlorophenol	ND		ug/L	9.4	4.1	0.94	367928	04/05/25	04/05/25	TJW
1,2,4-Trichlorobenzene	ND		ug/L	9.4	3.8	0.94	367928	04/05/25	04/05/25	TJW
Naphthalene	ND		ug/L	9.4	3.6	0.94	367928	04/05/25	04/05/25	TJW
4-Chloroaniline	ND		ug/L	9.4	3.4	0.94	367928	04/05/25	04/05/25	TJW
Hexachlorobutadiene	ND		ug/L	9.4	3.1	0.94	367928	04/05/25	04/05/25	TJW
4-Chloro-3-methylphenol	ND		ug/L	9.4	3.7	0.94	367928	04/05/25	04/05/25	TJW
2-Methylnaphthalene	ND		ug/L	9.4	3.4	0.94	367928	04/05/25	04/05/25	TJW
Hexachlorocyclopentadiene	ND		ug/L	24	9.7	0.94	367928	04/05/25	04/05/25	TJW
2,4,6-Trichlorophenol	ND		ug/L	9.4	4.2	0.94	367928	04/05/25	04/05/25	TJW
2,4,5-Trichlorophenol	ND		ug/L	9.4	3.8	0.94	367928	04/05/25	04/05/25	TJW
2-Chloronaphthalene	ND		ug/L	9.4	3.7	0.94	367928	04/05/25	04/05/25	TJW
2-Nitroaniline	ND		ug/L	47	3.2	0.94	367928	04/05/25	04/05/25	TJW
Dimethylphthalate	ND		ug/L	9.4	3.8	0.94	367928	04/05/25	04/05/25	TJW
Acenaphthylene	ND		ug/L	9.4	4.5	0.94	367928	04/05/25	04/05/25	TJW
2,6-Dinitrotoluene	ND		ug/L	9.4	3.7	0.94	367928	04/05/25	04/05/25	TJW
3-Nitroaniline	ND		ug/L	9.4	3.4	0.94	367928	04/05/25	04/05/25	TJW
Acenaphthene	ND		ug/L	9.4	3.4	0.94	367928	04/05/25	04/05/25	TJW
2,4-Dinitrophenol	ND		ug/L	47	7.2	0.94	367928	04/05/25	04/05/25	TJW
4-Nitrophenol	ND		ug/L	9.4	5.3	0.94	367928	04/05/25	04/05/25	TJW
Dibenzofuran	ND		ug/L	9.4	3.4	0.94	367928	04/05/25	04/05/25	TJW
2,4-Dinitrotoluene	ND		ug/L	9.4	3.1	0.94	367928	04/05/25	04/05/25	TJW
Diethylphthalate	ND		ug/L	9.4	2.9	0.94	367928	04/05/25	04/05/25	TJW
Fluorene	ND		ug/L	9.4	3.2	0.94	367928	04/05/25	04/05/25	TJW
4-Chlorophenyl-phenylether	ND		ug/L	9.4	3.5	0.94	367928	04/05/25	04/05/25	TJW
4-Nitroaniline	ND		ug/L	9.4	3.0	0.94	367928	04/05/25	04/05/25	TJW
4,6-Dinitro-2-methylphenol	ND		ug/L	47	12	0.94	367928	04/05/25	04/05/25	TJW
N-Nitrosodiphenylamine	ND		ug/L	9.4	5.5	0.94	367928	04/05/25	04/05/25	TJW
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.4	3.6	0.94	367928	04/05/25	04/05/25	TJW
4-Bromophenyl-phenylether	ND		ug/L	9.4	3.8	0.94	367928	04/05/25	04/05/25	TJW
Hexachlorobenzene	ND		ug/L	9.4	3.4	0.94	367928	04/05/25	04/05/25	TJW
Pentachlorophenol	ND		ug/L	24	3.0	0.94	367928	04/05/25	04/05/25	TJW
Phenanthrene	ND		ug/L	9.4	2.5	0.94	367928	04/05/25	04/05/25	TJW
Anthracene	ND		ug/L	9.4	2.5	0.94	367928	04/05/25	04/05/25	TJW
Di-n-butylphthalate	ND		ug/L	9.4	1.6	0.94	367928	04/05/25	04/05/25	TJW
Fluoranthene	ND		ug/L	9.4	1.5	0.94	367928	04/05/25	04/05/25	TJW
Benzidine	ND		ug/L	47	14	0.94	367928	04/05/25	04/05/25	TJW
Pyrene	ND		ug/L	9.4	1.8	0.94	367928	04/05/25	04/05/25	TJW
Butylbenzylphthalate	ND		ug/L	9.4	2.0	0.94	367928	04/05/25	04/05/25	TJW
3,3'-Dichlorobenzidine	ND		ug/L	24	3.3	0.94	367928	04/05/25	04/05/25	TJW
Benzo(a)anthracene	ND		ug/L	9.4	0.93	0.94	367928	04/05/25	04/05/25	TJW
Chrysene	ND		ug/L	9.4	1.2	0.94	367928	04/05/25	04/05/25	TJW
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.4	3.1	0.94	367928	04/05/25	04/05/25	TJW
Di-n-octylphthalate	ND		ug/L	9.4	1.2	0.94	367928	04/05/25	04/05/25	TJW
Benzo(b)fluoranthene	ND		ug/L	9.4	1.1	0.94	367928	04/05/25	04/05/25	TJW
Benzo(k)fluoranthene	ND		ug/L	9.4	1.3	0.94	367928	04/05/25	04/05/25	TJW

Analysis Results for 530431

530431-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzo(a)pyrene	ND		ug/L	9.4	1.3	0.94	367928	04/05/25	04/05/25	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.4	1.1	0.94	367928	04/05/25	04/05/25	TJW
Dibenz(a,h)anthracene	ND		ug/L	9.4	1.4	0.94	367928	04/05/25	04/05/25	TJW
Benzo(g,h,i)perylene	ND		ug/L	9.4	1.4	0.94	367928	04/05/25	04/05/25	TJW
Surrogates		Limits								
2-Fluorophenol	32%		%REC	10-140		0.94	367928	04/05/25	04/05/25	TJW
Phenol-d6	23%		%REC	10-140		0.94	367928	04/05/25	04/05/25	TJW
2,4,6-Tribromophenol	61%		%REC	12-140		0.94	367928	04/05/25	04/05/25	TJW
Nitrobenzene-d5	51%		%REC	10-140		0.94	367928	04/05/25	04/05/25	TJW
2-Fluorobiphenyl	52%		%REC	11-140		0.94	367928	04/05/25	04/05/25	TJW
Terphenyl-d14	55%		%REC	20-140		0.94	367928	04/05/25	04/05/25	TJW
Method: SM 4500-H+ B										
pH	7.32	H	SU			1	368159	04/07/25 18:40	04/07/25 18:40	TRR
Temperature	19.70	H	deg C	1.00		1	368159	04/07/25 18:40	04/07/25 18:40	TRR
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	368044	04/05/25	04/05/25	DXA
Method: SM 5310B Prep Method: SM 5310B										
Total Organic Carbon	12		mg/L	1.0	0.68	1	368222	04/08/25	04/08/25	TDD
Method: SM2320B Prep Method: METHOD										
Alkalinity, Bicarbonate, as CaCO3	290		mg/L	5.0		2.5	368053	04/05/25	04/05/25	WWC
Alkalinity, Total as CaCO3	290		mg/L	5.0		2.5	368053	04/05/25	04/05/25	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	1,200		mg/L	20		2	368151	04/07/25	04/09/25	RDL

Analysis Results for 530431

Sample ID: FIELD BLANK
Lab ID: 530431-002
Collected: 04/04/25
Matrix: Water

530431-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B										
Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Chloroprene	ND		ug/L	200	0.4	1	368295	04/09/25	04/09/25	HMN
3-Chloropropene	ND		ug/L	5.0	0.6	1	368295	04/09/25	04/09/25	HMN
Ethyl methacrylate	ND		ug/L	50	2.4	1	368295	04/09/25	04/09/25	HMN
2-Hexanone	ND		ug/L	5.0	1.5	1	368295	04/09/25	04/09/25	HMN
Iodomethane	ND		ug/L	5.0	1.0	1	368295	04/09/25	04/09/25	HMN
Methyl acrylonitrile	ND		ug/L	35	2.9	1	368295	04/09/25	04/09/25	HMN
Methyl methacrylate	ND		ug/L	5.0	2.3	1	368295	04/09/25	04/09/25	HMN
Vinyl Acetate	ND		ug/L	50	2.6	1	368295	04/09/25	04/09/25	HMN
Acrolein	ND		ug/L	200	2.2	1	368097	04/07/25	04/07/25	ZST
Acrylonitrile	ND		ug/L	10	0.3	1	368097	04/07/25	04/07/25	ZST
Freon 12	ND		ug/L	5.0	0.3	1	368295	04/09/25	04/09/25	HMN
Chloromethane	ND		ug/L	5.0	0.4	1	368295	04/09/25	04/09/25	HMN
Vinyl Chloride	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Bromomethane	ND		ug/L	5.0	0.8	1	368295	04/09/25	04/09/25	HMN
Chloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Acetone	ND		ug/L	100	17	1	368295	04/09/25	04/09/25	HMN
Freon 113	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Methylene Chloride	ND		ug/L	5.0	3.5	1	368295	04/09/25	04/09/25	HMN
MTBE	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
2-Butanone	ND		ug/L	100	2.0	1	368295	04/09/25	04/09/25	HMN
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Chloroform	0.5	J	ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Bromochloromethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,1-Dichloropropene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,2-Dichloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Benzene	ND		ug/L	1.0	0.1	1	368295	04/09/25	04/09/25	HMN
Trichloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Bromodichloromethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Dibromomethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	1	368295	04/09/25	04/09/25	HMN
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Toluene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
1,3-Dichloropropane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Tetrachloroethene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN

Analysis Results for 530431

530431-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromochloromethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Chlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Ethylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
m,p-Xylenes	ND		ug/L	10	0.2	1	368295	04/09/25	04/09/25	HMN
o-Xylene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Styrene	ND		ug/L	5.0	0.08	1	368295	04/09/25	04/09/25	HMN
Bromoform	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Isopropylbenzene	ND		ug/L	5.0	0.09	1	368295	04/09/25	04/09/25	HMN
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Propylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
Bromobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
tert-Butylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
sec-Butylbenzene	ND		ug/L	5.0	0.08	1	368295	04/09/25	04/09/25	HMN
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
n-Butylbenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	1	368295	04/09/25	04/09/25	HMN
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Naphthalene	ND		ug/L	5.0	0.3	1	368295	04/09/25	04/09/25	HMN
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	1	368295	04/09/25	04/09/25	HMN
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	368295	04/09/25	04/09/25	HMN
Xylene (total)	ND		ug/L	5.0		1	368295	04/09/25	04/09/25	HMN
Surrogates			Limits							
Dibromofluoromethane	97%		%REC	70-130		1	368295	04/09/25	04/09/25	HMN
1,2-Dichloroethane-d4	105%		%REC	70-130		1	368295	04/09/25	04/09/25	HMN
Toluene-d8	98%		%REC	70-130		1	368295	04/09/25	04/09/25	HMN
Bromofluorobenzene	93%		%REC	70-130		1	368295	04/09/25	04/09/25	HMN

H Holding time was exceeded
 J Estimated value
 ND Not Detected

Batch QC

Type: Blank	Lab ID: QC1245870	Batch: 367965
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1245870 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.034	04/04/25 14:40	04/04/25 16:49
Chloride	ND		mg/L	1.0	0.27	04/04/25 14:40	04/04/25 16:49
Bromide	ND		mg/L	0.30	0.060	04/04/25 14:40	04/04/25 16:49
Nitrogen, Nitrate	ND	b	mg/L	0.10	0.05	04/04/25 14:40	04/04/25 16:49

Type: Lab Control Sample	Lab ID: QC1245871	Batch: 367965
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1245871 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	9.729	10.00	mg/L	97%		90-110
Chloride	47.94	50.00	mg/L	96%		90-110
Bromide	14.78	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.431	4.518	mg/L	98%	b	90-110

Type: Matrix Spike	Lab ID: QC1245872	Batch: 367965
Matrix (Source ID): Water (530375-013)	Method: EPA 300.0	Prep Method: METHOD

QC1245872 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	21.39	0.1687	20.00	mg/L	106%		80-120	1
Chloride	150.2	46.26	100.0	mg/L	104%		80-120	1
Bromide	15.43	0.2812	15.00	mg/L	101%		80-120	1
Nitrogen, Nitrate	9.293	0.4313	9.036	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1245873	Batch: 367965
Matrix (Source ID): Water (530375-013)	Method: EPA 300.0	Prep Method: METHOD

QC1245873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	21.01	0.1687	20.00	mg/L	104%		80-120	2	20	1
Chloride	148.6	46.26	100.0	mg/L	102%		80-120	1	20	1
Bromide	15.22	0.2812	15.00	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	9.155	0.4313	9.036	mg/L	97%		80-120	1	20	1

Type: Matrix Spike	Lab ID: QC1245877	Batch: 367965
Matrix (Source ID): Water (530394-001)	Method: EPA 300.0	Prep Method: METHOD

QC1245877 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	16.58	0.1469	20.00	mg/L	82%		80-120	1
Chloride	201.7	104.4	100.0	mg/L	97%	E	80-120	1
Bromide	15.28	0.3224	15.00	mg/L	100%		80-120	1
Nitrogen, Nitrate	444.1	453.8	9.036	mg/L	-107%	E,NM	80-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1245878	Batch: 367965
Matrix (Source ID): Water (530394-001)	Method: EPA 300.0	Prep Method: METHOD

QC1245878 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	17.49	0.1469	20.00	mg/L	87%		80-120	5	20	1
Chloride	204.5	104.4	100.0	mg/L	100%	E	80-120		20	1
Bromide	15.11	0.3224	15.00	mg/L	99%		80-120	1	20	1
Nitrogen, Nitrate	444.0	453.8	9.036	mg/L	-109%	E,NM	80-120		20	1

Type: Blank	Lab ID: QC1246588	Batch: 368171
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1246588 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.18	04/07/25 19:40	04/07/25 19:56

Type: Lab Control Sample	Lab ID: QC1246589	Batch: 368171
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1246589 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	25.88	25.00	mg/L	104%		90-110

Type: Matrix Spike	Lab ID: QC1246598	Batch: 368171
Matrix (Source ID): Water (530519-001)	Method: EPA 300.0	Prep Method: METHOD

QC1246598 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	177.5	134.5	50.00	mg/L	86%	E	80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1246599	Batch: 368171
Matrix (Source ID): Water (530519-001)	Method: EPA 300.0	Prep Method: METHOD

QC1246599 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	177.1	134.5	50.00	mg/L	85%	E	80-120		20	1

Type: Blank	Lab ID: QC1246507	Batch: 368141
Matrix: Water	Method: EPA 335.4	Prep Method: METHOD

QC1246507 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0021	04/07/25	04/07/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1246508	Batch: 368141
Matrix: Water	Method: EPA 335.4	Prep Method: METHOD

QC1246508 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1021	0.1000	mg/L	102%		90-110

Type: Matrix Spike	Lab ID: QC1246509	Batch: 368141
Matrix (Source ID): Water (530307-002)	Method: EPA 335.4	Prep Method: METHOD

QC1246509 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1025	ND	0.1000	mg/L	102%		90-110	0.5

Type: Matrix Spike Duplicate	Lab ID: QC1246510	Batch: 368141
Matrix (Source ID): Water (530307-002)	Method: EPA 335.4	Prep Method: METHOD

QC1246510 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Cyanide	0.09921	ND	0.1000	mg/L	99%		90-110	3	20	0.5

Type: Lab Control Sample	Lab ID: QC1246117	Batch: 368041
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1246117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9755	1.000	mg/L	98%		90-110

Type: Blank	Lab ID: QC1246118	Batch: 368041
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1246118 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.050	04/05/25	04/07/25

Type: Matrix Spike	Lab ID: QC1246176	Batch: 368041
Matrix (Source ID): Water (530376-001)	Method: EPA 350.1	Prep Method: METHOD

QC1246176 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	0.9821	ND	1.000	mg/L	98%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1246177	Batch: 368041
Matrix (Source ID): Water (530376-001)	Method: EPA 350.1	Prep Method: METHOD

QC1246177 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Ammonia-N	0.9823	ND	1.000	mg/L	98%		90-110	0	20	1

Batch QC

Type: Matrix Spike	Lab ID: QC1246178	Batch: 368041
Matrix (Source ID): Water (530376-002)	Method: EPA 350.1	Prep Method: METHOD

QC1246178 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.009	ND	1.000	mg/L	101%		90-110	1

Type: Matrix Spike Duplicate	Lab ID: QC1246179	Batch: 368041
Matrix (Source ID): Water (530376-002)	Method: EPA 350.1	Prep Method: METHOD

QC1246179 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	0.9651	ND	1.000	mg/L	97%		90-110	4	20	1

Type: Blank	Lab ID: QC1246722	Batch: 368205
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1246722 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	2.0	04/08/25	04/08/25

Type: Lab Control Sample	Lab ID: QC1246723	Batch: 368205
Matrix: Water	Method: EPA 410.4	Prep Method: METHOD

QC1246723 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	108.0	100.0	mg/L	108%		90-110

Type: Matrix Spike	Lab ID: QC1246724	Batch: 368205
Matrix (Source ID): Water (529600-001)	Method: EPA 410.4	Prep Method: METHOD

QC1246724 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	128.0	14.00	100.0	mg/L	114%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1246725	Batch: 368205
Matrix (Source ID): Water (529600-001)	Method: EPA 410.4	Prep Method: METHOD

QC1246725 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	122.0	14.00	100.0	mg/L	108%		75-125	5	20	2

Batch QC

Type: Matrix Spike	Lab ID: QC1246726	Batch: 368205
Matrix (Source ID): Water (530175-001)	Method: EPA 410.4	Prep Method: METHOD

QC1246726 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	112.0	8.000	100.0	mg/L	104%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC1246727	Batch: 368205
Matrix (Source ID): Water (530175-001)	Method: EPA 410.4	Prep Method: METHOD

QC1246727 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	108.0	8.000	100.0	mg/L	100%		75-125	4	20	2

Type: Blank	Lab ID: QC1246327	Batch: 368099
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1246327 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	0.011	04/07/25	04/07/25
Arsenic	ND		mg/L	0.010	0.0045	04/07/25	04/07/25
Barium	ND		mg/L	0.010	0.0022	04/07/25	04/07/25
Beryllium	ND		mg/L	0.0050	0.00017	04/07/25	04/07/25
Boron	ND		mg/L	0.050	0.0055	04/07/25	04/07/25
Cadmium	ND		mg/L	0.0050	0.00096	04/07/25	04/07/25
Calcium	ND		mg/L	0.57	0.57	04/07/25	04/07/25
Chromium	ND		mg/L	0.010	0.0023	04/07/25	04/07/25
Cobalt	ND		mg/L	0.0050	0.0022	04/07/25	04/07/25
Copper	ND		mg/L	0.010	0.0059	04/07/25	04/07/25
Iron	ND		mg/L	0.046	0.046	04/07/25	04/07/25
Lead	ND		mg/L	0.010	0.0028	04/07/25	04/07/25
Magnesium	ND		mg/L	0.10	0.025	04/07/25	04/07/25
Manganese	ND		mg/L	0.010	0.0029	04/07/25	04/07/25
Nickel	ND		mg/L	0.010	0.0033	04/07/25	04/07/25
Potassium	ND		mg/L	0.50	0.40	04/07/25	04/07/25
Selenium	ND		mg/L	0.030	0.0098	04/07/25	04/07/25
Silver	ND		mg/L	0.0050	0.0015	04/07/25	04/07/25
Sodium	ND		mg/L	0.50	0.35	04/07/25	04/07/25
Thallium	ND		mg/L	0.030	0.011	04/07/25	04/07/25
Tin	ND		mg/L	0.020	0.0026	04/07/25	04/07/25
Titanium	ND		mg/L	0.010	0.0039	04/07/25	04/07/25
Vanadium	ND		mg/L	0.010	0.0012	04/07/25	04/07/25
Zinc	ND		mg/L	0.050	0.013	04/07/25	04/07/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1246328	Batch: 368099
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1246328 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.3704	0.4000	mg/L	93%		80-120
Arsenic	0.3736	0.4000	mg/L	93%		80-120
Barium	0.3731	0.4000	mg/L	93%		80-120
Beryllium	0.3748	0.4000	mg/L	94%		80-120
Boron	0.3643	0.4000	mg/L	91%		80-120
Cadmium	0.3787	0.4000	mg/L	95%		80-120
Calcium	19.35	20.40	mg/L	95%		80-120
Chromium	0.3707	0.4000	mg/L	93%		80-120
Cobalt	0.3864	0.4000	mg/L	97%		80-120
Copper	0.3749	0.4000	mg/L	94%		80-120
Iron	0.3787	0.4000	mg/L	95%		80-120
Lead	0.3788	0.4000	mg/L	95%		80-120
Magnesium	19.37	20.40	mg/L	95%		80-120
Manganese	0.3814	0.4000	mg/L	95%		80-120
Nickel	0.3780	0.4000	mg/L	94%		80-120
Potassium	22.29	24.00	mg/L	93%		80-120
Selenium	0.3631	0.4000	mg/L	91%		80-120
Silver	0.1891	0.2000	mg/L	95%		80-120
Sodium	18.83	20.40	mg/L	92%		80-120
Thallium	0.3784	0.4000	mg/L	95%		80-120
Tin	4.704	5.000	mg/L	94%		80-120
Titanium	0.3850	0.4000	mg/L	96%		80-120
Vanadium	0.3791	0.4000	mg/L	95%		80-120
Zinc	0.3856	0.4000	mg/L	96%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC1246329	Batch: 368099
Matrix (Source ID): Water (530479-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1246329 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	7.286	ND	8.000	mg/L	91%		75-125	20
Arsenic	7.598	0.3423	8.000	mg/L	91%		75-125	20
Barium	9.932	2.899	8.000	mg/L	88%		75-125	20
Beryllium	7.184	0.006223	8.000	mg/L	90%		75-125	20
Boron	90.07	83.78	8.000	mg/L	79%	NM	75-125	20
Cadmium	7.070	ND	8.000	mg/L	88%		75-125	20
Calcium	6,122	5872	408.0	mg/L	61%	NM	75-125	20
Chromium	7.575	0.4605	8.000	mg/L	89%		75-125	20
Cobalt	7.459	ND	8.000	mg/L	93%		75-125	20
Copper	8.091	ND	8.000	mg/L	101%		75-125	20
Iron	882.4	887.2	8.000	mg/L	-60%	NM	75-125	20
Lead	7.165	ND	8.000	mg/L	90%		75-125	20
Magnesium	1,198	848.2	408.0	mg/L	86%		75-125	20
Manganese	42.46	35.75	8.000	mg/L	84%	NM	75-125	20
Nickel	7.301	0.1231	8.000	mg/L	90%		75-125	20
Potassium	2,078	1645	480.0	mg/L	90%		75-125	20
Selenium	7.238	ND	8.000	mg/L	90%		75-125	20
Silver	3.827	ND	4.000	mg/L	96%		75-125	20
Sodium	5,216	4935	408.0	mg/L	69%	NM	75-125	20
Thallium	7.120	ND	8.000	mg/L	89%		75-125	20
Tin	88.20	0.1041	100.0	mg/L	88%		75-125	20
Titanium	7.714	0.1668	8.000	mg/L	94%		75-125	20
Vanadium	7.488	0.1104	8.000	mg/L	92%		75-125	20
Zinc	9.334	2.102	8.000	mg/L	90%		75-125	20

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1246330	Batch: 368099
Matrix (Source ID): Water (530479-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1246330 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	7.426	ND	8.000	mg/L	93%		75-125	2	20	20
Arsenic	7.749	0.3423	8.000	mg/L	93%		75-125	2	20	20
Barium	10.06	2.899	8.000	mg/L	90%		75-125	1	20	20
Beryllium	7.345	0.006223	8.000	mg/L	92%		75-125	2	20	20
Boron	90.18	83.78	8.000	mg/L	80%	NM	75-125	0	20	20
Cadmium	7.224	ND	8.000	mg/L	90%		75-125	2	20	20
Calcium	6,115	5872	408.0	mg/L	60%	NM	75-125	0	20	20
Chromium	7.727	0.4605	8.000	mg/L	91%		75-125	2	20	20
Cobalt	7.621	ND	8.000	mg/L	95%		75-125	2	20	20
Copper	8.315	ND	8.000	mg/L	104%		75-125	3	20	20
Iron	879.7	887.2	8.000	mg/L	-93%	NM	75-125	0	20	20
Lead	7.355	ND	8.000	mg/L	92%		75-125	3	20	20
Magnesium	1,206	848.2	408.0	mg/L	88%		75-125	1	20	20
Manganese	42.52	35.75	8.000	mg/L	85%	NM	75-125	0	20	20
Nickel	7.455	0.1231	8.000	mg/L	92%		75-125	2	20	20
Potassium	2,086	1645	480.0	mg/L	92%		75-125	0	20	20
Selenium	7.406	ND	8.000	mg/L	93%		75-125	2	20	20
Silver	3.932	ND	4.000	mg/L	98%		75-125	3	20	20
Sodium	5,210	4935	408.0	mg/L	67%	NM	75-125	0	20	20
Thallium	7.285	ND	8.000	mg/L	91%		75-125	2	20	20
Tin	90.26	0.1041	100.0	mg/L	90%		75-125	2	20	20
Titanium	7.916	0.1668	8.000	mg/L	97%		75-125	3	20	20
Vanadium	7.657	0.1104	8.000	mg/L	94%		75-125	2	20	20
Zinc	9.521	2.102	8.000	mg/L	93%		75-125	2	20	20

Batch QC

Type: Serial Dilution	Lab ID: QC1246400	Batch: 368099
Matrix (Source ID): Water (530431-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1246400 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/L				5
Arsenic	ND	ND	mg/L				5
Barium	0.06246	0.06106	mg/L				5
Beryllium	ND	ND	mg/L				5
Boron	0.3917	0.4193	mg/L				5
Cadmium	ND	ND	mg/L				5
Calcium	168.4	170.6	mg/L				5
Chromium	ND	ND	mg/L				5
Cobalt	ND	0.003170	mg/L				5
Copper	ND	ND	mg/L				5
Iron	ND	0.1797	mg/L				5
Lead	ND	ND	mg/L				5
Magnesium	33.62	33.85	mg/L				5
Manganese	0.8757	0.9005	mg/L				5
Nickel	ND	0.006572	mg/L				5
Potassium	ND	2.102	mg/L				5
Selenium	ND	ND	mg/L				5
Silver	ND	ND	mg/L				5
Sodium	136.9	139.2	mg/L				5
Thallium	ND	ND	mg/L				5
Tin	ND	ND	mg/L				5
Titanium	ND	ND	mg/L				5
Vanadium	ND	0.001592	mg/L				5
Zinc	ND	ND	mg/L				5

Type: Blank	Lab ID: QC1246368	Batch: 368108
Matrix: Water	Method: EPA 7470A	Prep Method: EPA 7470A

QC1246368 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.17	04/07/25	04/07/25

Type: Lab Control Sample	Lab ID: QC1246369	Batch: 368108
Matrix: Water	Method: EPA 7470A	Prep Method: EPA 7470A

QC1246369 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.082	5.000	ug/L	102%		80-120

Type: Matrix Spike	Lab ID: QC1246370	Batch: 368108
Matrix (Source ID): Water (530431-001)	Method: EPA 7470A	Prep Method: EPA 7470A

QC1246370 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.614	ND	5.000	ug/L	92%		75-125	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1246371	Batch: 368108
Matrix (Source ID): Water (530431-001)	Method: EPA 7470A	Prep Method: EPA 7470A

QC1246371 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.572	ND	5.000	ug/L	91%		75-125	1	20	1

Type: Matrix Spike	Lab ID: QC1246372	Batch: 368108
Matrix (Source ID): Water (530479-002)	Method: EPA 7470A	Prep Method: EPA 7470A

QC1246372 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1,005	ND	1000	ug/L	100%		75-125	200

Type: Matrix Spike Duplicate	Lab ID: QC1246373	Batch: 368108
Matrix (Source ID): Water (530479-002)	Method: EPA 7470A	Prep Method: EPA 7470A

QC1246373 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1,010	ND	1000	ug/L	101%		75-125	0	20	200

Batch QC

Type: Blank
Matrix: Water

Lab ID: QC1246164

Batch: 368055

QC1246164 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.02	04/05/25	04/07/25
beta-BHC	ND		ug/L	0.05	0.02	04/05/25	04/07/25
gamma-BHC	ND		ug/L	0.05	0.02	04/05/25	04/07/25
delta-BHC	ND		ug/L	0.05	0.02	04/05/25	04/07/25
Heptachlor	ND		ug/L	0.05	0.01	04/05/25	04/07/25
Aldrin	ND		ug/L	0.05	0.02	04/05/25	04/07/25
Heptachlor epoxide	ND		ug/L	0.05	0.02	04/05/25	04/07/25
Endosulfan I	ND		ug/L	0.05	0.02	04/05/25	04/07/25
Dieldrin	ND		ug/L	0.1	0.01	04/05/25	04/07/25
4,4'-DDE	ND		ug/L	0.1	0.02	04/05/25	04/07/25
Endrin	ND		ug/L	0.1	0.02	04/05/25	04/07/25
Endosulfan II	ND		ug/L	0.1	0.02	04/05/25	04/07/25
Endosulfan sulfate	ND		ug/L	0.1	0.02	04/05/25	04/07/25
4,4'-DDD	ND		ug/L	0.1	0.02	04/05/25	04/07/25
Endrin aldehyde	ND		ug/L	0.1	0.03	04/05/25	04/07/25
Endrin ketone	ND		ug/L	0.1	0.03	04/05/25	04/07/25
4,4'-DDT	ND		ug/L	0.1	0.04	04/05/25	04/07/25
Methoxychlor	ND		ug/L	0.1	0.06	04/05/25	04/07/25
Toxaphene	ND		ug/L	2.0	0.8	04/05/25	04/07/25
Chlordane (Technical)	ND		ug/L	1.0	0.3	04/05/25	04/07/25
Surrogates				Limits			
TCMX	65%		%REC	14-120		04/05/25	04/07/25
Decachlorobiphenyl	88%		%REC	20-120		04/05/25	04/07/25
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.37	04/05/25	04/07/25
Aroclor-1221	ND		ug/L	0.50	0.41	04/05/25	04/07/25
Aroclor-1232	ND		ug/L	0.50	0.36	04/05/25	04/07/25
Aroclor-1242	ND		ug/L	0.50	0.35	04/05/25	04/07/25
Aroclor-1248	ND		ug/L	0.50	0.34	04/05/25	04/07/25
Aroclor-1254	ND		ug/L	0.50	0.18	04/05/25	04/07/25
Aroclor-1260	ND		ug/L	0.50	0.45	04/05/25	04/07/25
Aroclor-1262	ND		ug/L	0.50	0.39	04/05/25	04/07/25
Aroclor-1268	ND		ug/L	0.50	0.25	04/05/25	04/07/25
Surrogates				Limits			
Decachlorobiphenyl (PCB)	100%		%REC	18-126		04/05/25	04/07/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1246165	Batch: 368055
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1246165 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.4653	0.5000	ug/L	93%		53-120
beta-BHC	0.4797	0.5000	ug/L	96%		59-120
gamma-BHC	0.4974	0.5000	ug/L	99%		54-120
delta-BHC	0.4917	0.5000	ug/L	98%		58-120
Heptachlor	0.4605	0.5000	ug/L	92%		49-120
Aldrin	0.3813	0.5000	ug/L	76%		47-120
Heptachlor epoxide	0.4369	0.5000	ug/L	87%		53-120
Endosulfan I	0.4571	0.5000	ug/L	91%		56-120
Dieldrin	0.4525	0.5000	ug/L	91%		55-120
4,4'-DDE	0.4489	0.5000	ug/L	90%		55-120
Endrin	0.4973	0.5000	ug/L	99%		57-120
Endosulfan II	0.4588	0.5000	ug/L	92%		58-120
Endosulfan sulfate	0.4483	0.5000	ug/L	90%		56-120
4,4'-DDD	0.4286	0.5000	ug/L	86%		53-120
Endrin aldehyde	0.4094	0.5000	ug/L	82%		45-120
Endrin ketone	0.4787	0.5000	ug/L	96%		61-120
4,4'-DDT	0.4760	0.5000	ug/L	95%		58-120
Methoxychlor	0.4954	0.5000	ug/L	99%		54-120
Surrogates						
TCMX	0.3855	0.5000	ug/L	77%		14-120
Decachlorobiphenyl	0.4662	0.5000	ug/L	93%		20-120

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1246166	Batch: 368055
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1246166 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4664	0.5000	ug/L	93%		53-120	0	20
beta-BHC	0.4899	0.5000	ug/L	98%		59-120	2	20
gamma-BHC	0.5041	0.5000	ug/L	101%		54-120	1	20
delta-BHC	0.5066	0.5000	ug/L	101%		58-120	3	20
Heptachlor	0.4498	0.5000	ug/L	90%		49-120	2	20
Aldrin	0.3237	0.5000	ug/L	65%		47-120	16	20
Heptachlor epoxide	0.4660	0.5000	ug/L	93%		53-120	6	20
Endosulfan I	0.4772	0.5000	ug/L	95%		56-120	4	20
Dieldrin	0.4780	0.5000	ug/L	96%		55-120	5	20
4,4'-DDE	0.4824	0.5000	ug/L	96%		55-120	7	20
Endrin	0.5243	0.5000	ug/L	105%		57-120	5	20
Endosulfan II	0.5015	0.5000	ug/L	100%		58-120	9	20
Endosulfan sulfate	0.4897	0.5000	ug/L	98%		56-120	9	20
4,4'-DDD	0.4815	0.5000	ug/L	96%		53-120	12	20
Endrin aldehyde	0.4477	0.5000	ug/L	90%		45-120	9	20
Endrin ketone	0.5296	0.5000	ug/L	106%		61-120	10	20
4,4'-DDT	0.5196	0.5000	ug/L	104%		58-120	9	20
Methoxychlor	0.5509	0.5000	ug/L	110%		54-120	11	20
Surrogates								
TCMX	0.3721	0.5000	ug/L	74%		14-120		
Decachlorobiphenyl	0.5038	0.5000	ug/L	101%		20-120		

Type: Lab Control Sample	Lab ID: QC1246167	Batch: 368055
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1246167 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	5.265	5.000	ug/L	105%		36-143
Aroclor-1260	5.689	5.000	ug/L	114%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.6182	0.5000	ug/L	124%		18-126

Type: Lab Control Sample Duplicate	Lab ID: QC1246168	Batch: 368055
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1246168 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.702	5.000	ug/L	114%		36-143	8	39
Aroclor-1260	5.948	5.000	ug/L	119%		31-153	4	20
Surrogates								
Decachlorobiphenyl (PCB)	0.6474	0.5000	ug/L	129%	*	18-126		

Batch QC

Type: Blank
Matrix: Water

Lab ID: QC1246314
Method: EPA 8260B

Batch: 368097
Prep Method: EPA 5030B

QC1246314 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.4	04/07/25	04/07/25
Chloroprene	ND		ug/L	200	0.3	04/07/25	04/07/25
3-Chloropropene	ND		ug/L	5.0	0.5	04/07/25	04/07/25
Ethyl methacrylate	ND		ug/L	50	1.5	04/07/25	04/07/25
2-Hexanone	ND		ug/L	5.0	0.7	04/07/25	04/07/25
Iodomethane	ND		ug/L	7.6	7.6	04/07/25	04/07/25
Methyl acrylonitrile	ND		ug/L	35	2.3	04/07/25	04/07/25
Methyl methacrylate	ND		ug/L	5.0	1.5	04/07/25	04/07/25
Vinyl Acetate	ND		ug/L	50	4.3	04/07/25	04/07/25
Acrolein	ND		ug/L	200	2.2	04/07/25	04/07/25
Acrylonitrile	ND		ug/L	10	0.3	04/07/25	04/07/25
Freon 12	ND		ug/L	5.0	0.2	04/07/25	04/07/25
Chloromethane	ND		ug/L	5.0	0.3	04/07/25	04/07/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/07/25	04/07/25
Bromomethane	ND		ug/L	5.0	0.4	04/07/25	04/07/25
Chloroethane	ND		ug/L	5.0	0.3	04/07/25	04/07/25
Trichlorofluoromethane	ND		ug/L	5.0	0.08	04/07/25	04/07/25
Acetone	ND		ug/L	100	21	04/07/25	04/07/25
Freon 113	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,1-Dichloroethene	ND		ug/L	5.0	0.08	04/07/25	04/07/25
Methylene Chloride	ND		ug/L	5.0	2.4	04/07/25	04/07/25
MTBE	ND		ug/L	5.0	0.09	04/07/25	04/07/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,1-Dichloroethane	ND		ug/L	5.0	0.09	04/07/25	04/07/25
2-Butanone	ND		ug/L	100	1.7	04/07/25	04/07/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.2	04/07/25	04/07/25
2,2-Dichloropropane	ND		ug/L	5.0	0.1	04/07/25	04/07/25
Chloroform	ND		ug/L	5.0	0.1	04/07/25	04/07/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/07/25	04/07/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,1-Dichloropropene	ND		ug/L	5.0	0.08	04/07/25	04/07/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/07/25	04/07/25
Benzene	ND		ug/L	1.0	0.1	04/07/25	04/07/25
Trichloroethene	ND		ug/L	5.0	0.2	04/07/25	04/07/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/07/25	04/07/25
Bromodichloromethane	ND		ug/L	5.0	0.08	04/07/25	04/07/25
Dibromomethane	ND		ug/L	5.0	0.2	04/07/25	04/07/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.0	04/07/25	04/07/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.06	04/07/25	04/07/25
Toluene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/07/25	04/07/25
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/07/25	04/07/25
Tetrachloroethene	ND		ug/L	5.0	0.09	04/07/25	04/07/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,2-Dibromoethane	ND		ug/L	5.0	0.07	04/07/25	04/07/25

Batch QC

QC1246314 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/L	5.0	0.09	04/07/25	04/07/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/07/25	04/07/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
m,p-Xylenes	0.3	J	ug/L	10	0.2	04/07/25	04/07/25
o-Xylene	0.1	J	ug/L	5.0	0.1	04/07/25	04/07/25
Styrene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
Bromoform	ND		ug/L	5.0	0.2	04/07/25	04/07/25
Isopropylbenzene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/07/25	04/07/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/07/25	04/07/25
Propylbenzene	ND		ug/L	5.0	0.2	04/07/25	04/07/25
Bromobenzene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
tert-Butylbenzene	ND		ug/L	5.0	0.2	04/07/25	04/07/25
1,2,4-Trimethylbenzene	0.3	J	ug/L	5.0	0.2	04/07/25	04/07/25
sec-Butylbenzene	ND		ug/L	5.0	0.2	04/07/25	04/07/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	04/07/25	04/07/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/07/25	04/07/25
n-Butylbenzene	ND		ug/L	5.0	0.4	04/07/25	04/07/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/07/25	04/07/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.3	04/07/25	04/07/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.3	04/07/25	04/07/25
Hexachlorobutadiene	ND		ug/L	5.0	0.4	04/07/25	04/07/25
Naphthalene	0.5	J	ug/L	5.0	0.3	04/07/25	04/07/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.3	04/07/25	04/07/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	04/07/25	04/07/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	04/07/25	04/07/25
Xylene (total)	0.4	J	ug/L	5.0		04/07/25	04/07/25
Surrogates				Limits			
Dibromofluoromethane	86%		%REC	70-130		04/07/25	04/07/25
1,2-Dichloroethane-d4	91%		%REC	70-130		04/07/25	04/07/25
Toluene-d8	106%		%REC	70-130		04/07/25	04/07/25
Bromofluorobenzene	102%		%REC	70-130		04/07/25	04/07/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1246315	Batch: 368097
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1246315 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	41.48	50.00	ug/L	83%		70-135
MTBE	35.75	50.00	ug/L	72%		70-130
Benzene	42.18	50.00	ug/L	84%		70-130
Trichloroethene	49.34	50.00	ug/L	99%		70-130
Toluene	47.43	50.00	ug/L	95%		70-130
Chlorobenzene	47.37	50.00	ug/L	95%		70-130
Surrogates						
Dibromofluoromethane	45.96	50.00	ug/L	92%		70-130
1,2-Dichloroethane-d4	45.07	50.00	ug/L	90%		70-130
Toluene-d8	53.60	50.00	ug/L	107%		70-130
Bromofluorobenzene	50.71	50.00	ug/L	101%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1246316	Batch: 368097
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1246316 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	37.09	50.00	ug/L	74%		70-135	11	30
MTBE	34.53	50.00	ug/L	69%	*	70-130	3	30
Benzene	38.83	50.00	ug/L	78%		70-130	8	30
Trichloroethene	45.05	50.00	ug/L	90%		70-130	9	30
Toluene	43.51	50.00	ug/L	87%		70-130	9	30
Chlorobenzene	43.89	50.00	ug/L	88%		70-130	8	30
Surrogates								
Dibromofluoromethane	45.67	50.00	ug/L	91%		70-130		
1,2-Dichloroethane-d4	46.11	50.00	ug/L	92%		70-130		
Toluene-d8	54.01	50.00	ug/L	108%		70-130		
Bromofluorobenzene	50.73	50.00	ug/L	101%		70-130		

Type: Matrix Spike	Lab ID: QC1246396	Batch: 368097
Matrix (Source ID): Water (530236-013)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1246396 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	17.20	ND	20.00	ug/L	86%		70-130	1
MTBE	23.15	9.666	20.00	ug/L	67%	*	75-130	1
Benzene	170.4	153.1	20.00	ug/L	87%	NM	70-130	1
Trichloroethene	20.75	ND	20.00	ug/L	104%		63-130	1
Toluene	210.7	207.7	20.00	ug/L	15%	E,NM	70-130	1
Chlorobenzene	19.31	ND	20.00	ug/L	97%		70-130	1
Surrogates								
Dibromofluoromethane	45.04		50.00	ug/L	90%		70-130	1
1,2-Dichloroethane-d4	44.60		50.00	ug/L	89%		70-130	1
Toluene-d8	55.63		50.00	ug/L	111%		70-130	1
Bromofluorobenzene	54.43		50.00	ug/L	109%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1246397	Batch: 368097
Matrix (Source ID): Water (530236-013)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1246397 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	16.22	ND	20.00	ug/L	81%		70-130	6	30	1
MTBE	23.20	9.666	20.00	ug/L	68%	*	75-130	0	30	1
Benzene	149.3	153.1	20.00	ug/L	-19%	NM	70-130	13	30	1
Trichloroethene	21.56	ND	20.00	ug/L	108%		63-130	4	30	1
Toluene	187.8	207.7	20.00	ug/L	-99%	NM	70-130		30	1
Chlorobenzene	19.76	ND	20.00	ug/L	99%		70-130	2	30	1
Surrogates										
Dibromofluoromethane	44.42		50.00	ug/L	89%		70-130			1
1,2-Dichloroethane-d4	45.58		50.00	ug/L	91%		70-130			1
Toluene-d8	56.27		50.00	ug/L	113%		70-130			1
Bromofluorobenzene	55.49		50.00	ug/L	111%		70-130			1

Type: Lab Control Sample	Lab ID: QC1247042	Batch: 368295
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1247042 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	56.32	50.00	ug/L	113%		70-135
MTBE	55.20	50.00	ug/L	110%		70-130
Benzene	54.72	50.00	ug/L	109%		70-130
Trichloroethene	53.07	50.00	ug/L	106%		70-130
Toluene	53.44	50.00	ug/L	107%		70-130
Chlorobenzene	51.95	50.00	ug/L	104%		70-130
Surrogates						
Dibromofluoromethane	48.72	50.00	ug/L	97%		70-130
1,2-Dichloroethane-d4	50.41	50.00	ug/L	101%		70-130
Toluene-d8	49.08	50.00	ug/L	98%		70-130
Bromofluorobenzene	47.09	50.00	ug/L	94%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1247043	Batch: 368295
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1247043 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	55.33	50.00	ug/L	111%		70-135	2	30
MTBE	56.00	50.00	ug/L	112%		70-130	1	30
Benzene	53.82	50.00	ug/L	108%		70-130	2	30
Trichloroethene	52.27	50.00	ug/L	105%		70-130	2	30
Toluene	53.94	50.00	ug/L	108%		70-130	1	30
Chlorobenzene	52.57	50.00	ug/L	105%		70-130	1	30
Surrogates								
Dibromofluoromethane	48.26	50.00	ug/L	97%		70-130		
1,2-Dichloroethane-d4	48.58	50.00	ug/L	97%		70-130		
Toluene-d8	50.07	50.00	ug/L	100%		70-130		
Bromofluorobenzene	49.88	50.00	ug/L	100%		70-130		

Batch QC

Type: Blank	Lab ID: QC1247047	Batch: 368295
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1247047 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbon Disulfide	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Chloroprene	ND		ug/L	200	0.4	04/09/25	04/09/25
3-Chloropropene	ND		ug/L	5.0	0.6	04/09/25	04/09/25
Ethyl methacrylate	ND		ug/L	50	2.4	04/09/25	04/09/25
2-Hexanone	ND		ug/L	5.0	1.5	04/09/25	04/09/25
Iodomethane	ND		ug/L	5.0	1.0	04/09/25	04/09/25
Methyl acrylonitrile	ND		ug/L	35	2.9	04/09/25	04/09/25
Methyl methacrylate	ND		ug/L	5.0	2.3	04/09/25	04/09/25
Vinyl Acetate	ND		ug/L	50	2.6	04/09/25	04/09/25
Acrolein	ND		ug/L	200	4.2	04/09/25	04/09/25
Acrylonitrile	ND		ug/L	10	0.3	04/09/25	04/09/25
Freon 12	ND		ug/L	5.0	0.3	04/09/25	04/09/25
Chloromethane	ND		ug/L	5.0	0.4	04/09/25	04/09/25
Vinyl Chloride	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Bromomethane	ND		ug/L	5.0	0.8	04/09/25	04/09/25
Chloroethane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Trichlorofluoromethane	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Acetone	ND		ug/L	100	17	04/09/25	04/09/25
Freon 113	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Methylene Chloride	ND		ug/L	5.0	3.5	04/09/25	04/09/25
MTBE	ND		ug/L	5.0	0.1	04/09/25	04/09/25
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,1-Dichloroethane	ND		ug/L	5.0	0.1	04/09/25	04/09/25
2-Butanone	ND		ug/L	100	2.0	04/09/25	04/09/25
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
2,2-Dichloropropane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Chloroform	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Bromochloromethane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,1-Dichloropropene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,2-Dichloroethane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Benzene	ND		ug/L	1.0	0.1	04/09/25	04/09/25
Trichloroethene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Bromodichloromethane	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Dibromomethane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.4	04/09/25	04/09/25
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Toluene	ND		ug/L	5.0	0.2	04/09/25	04/09/25
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
1,3-Dichloropropane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Tetrachloroethene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Dibromochloromethane	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,2-Dibromoethane	ND		ug/L	5.0	0.2	04/09/25	04/09/25

Batch QC

QC1247047 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Ethylbenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
m,p-Xylenes	ND		ug/L	10	0.2	04/09/25	04/09/25
o-Xylene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Styrene	ND		ug/L	5.0	0.08	04/09/25	04/09/25
Bromoform	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Isopropylbenzene	ND		ug/L	5.0	0.09	04/09/25	04/09/25
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Propylbenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
Bromobenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
2-Chlorotoluene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
tert-Butylbenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
sec-Butylbenzene	ND		ug/L	5.0	0.08	04/09/25	04/09/25
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,4-Dichlorobenzene	ND		ug/L	5.0	0.2	04/09/25	04/09/25
n-Butylbenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.4	04/09/25	04/09/25
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Hexachlorobutadiene	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Naphthalene	ND		ug/L	5.0	0.3	04/09/25	04/09/25
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.1	04/09/25	04/09/25
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	04/09/25	04/09/25
Xylene (total)	ND		ug/L	5.0		04/09/25	04/09/25
Surrogates				Limits			
Dibromofluoromethane	97%		%REC	70-130		04/09/25	04/09/25
1,2-Dichloroethane-d4	106%		%REC	70-130		04/09/25	04/09/25
Toluene-d8	97%		%REC	70-130		04/09/25	04/09/25
Bromofluorobenzene	98%		%REC	70-130		04/09/25	04/09/25

Batch QC

Type: Matrix Spike	Lab ID: QC1247103	Batch: 368295
Matrix (Source ID): Water (530486-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1247103 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	17.47	ND	20.00	ug/L	87%		70-130	1
MTBE	17.71	ND	20.00	ug/L	89%		75-130	1
Benzene	17.58	ND	20.00	ug/L	88%		70-130	1
Trichloroethene	17.38	ND	20.00	ug/L	87%		63-130	1
Toluene	17.28	ND	20.00	ug/L	86%		70-130	1
Chlorobenzene	17.10	ND	20.00	ug/L	85%		70-130	1
Surrogates								
Dibromofluoromethane	47.81		50.00	ug/L	96%		70-130	1
1,2-Dichloroethane-d4	51.67		50.00	ug/L	103%		70-130	1
Toluene-d8	48.97		50.00	ug/L	98%		70-130	1
Bromofluorobenzene	49.09		50.00	ug/L	98%		70-130	1

Type: Matrix Spike Duplicate	Lab ID: QC1247104	Batch: 368295
Matrix (Source ID): Water (530486-001)	Method: EPA 8260B	Prep Method: EPA 5030B

QC1247104 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	18.20	ND	20.00	ug/L	91%		70-130	4	30	1
MTBE	18.74	ND	20.00	ug/L	94%		75-130	6	30	1
Benzene	18.86	ND	20.00	ug/L	94%		70-130	7	30	1
Trichloroethene	18.72	ND	20.00	ug/L	94%		63-130	7	30	1
Toluene	18.59	ND	20.00	ug/L	93%		70-130	7	30	1
Chlorobenzene	18.47	ND	20.00	ug/L	92%		70-130	8	30	1
Surrogates										
Dibromofluoromethane	45.98		50.00	ug/L	92%		70-130			1
1,2-Dichloroethane-d4	51.71		50.00	ug/L	103%		70-130			1
Toluene-d8	48.59		50.00	ug/L	97%		70-130			1
Bromofluorobenzene	49.65		50.00	ug/L	99%		70-130			1

Batch QC

Type: Blank	Lab ID: QC1245738	Batch: 367928
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1245738 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.9	04/04/25	04/04/25
Pyridine	ND		ug/L	10	1.7	04/04/25	04/04/25
N-Nitrosodimethylamine	ND		ug/L	10	2.8	04/04/25	04/04/25
Phenol	ND		ug/L	10	1.7	04/04/25	04/04/25
Aniline	ND		ug/L	10	3.2	04/04/25	04/04/25
bis(2-Chloroethyl)ether	ND		ug/L	25	3.9	04/04/25	04/04/25
2-Chlorophenol	ND		ug/L	10	3.8	04/04/25	04/04/25
1,3-Dichlorobenzene	ND		ug/L	10	4.0	04/04/25	04/04/25
1,4-Dichlorobenzene	ND		ug/L	10	4.2	04/04/25	04/04/25
Benzyl alcohol	ND		ug/L	10	5.2	04/04/25	04/04/25
1,2-Dichlorobenzene	ND		ug/L	10	3.9	04/04/25	04/04/25
2-Methylphenol	ND		ug/L	10	3.3	04/04/25	04/04/25
bis(2-Chloroisopropyl) ether	ND		ug/L	10	4.3	04/04/25	04/04/25
3-,4-Methylphenol	ND		ug/L	10	3.1	04/04/25	04/04/25
N-Nitroso-di-n-propylamine	ND		ug/L	10	4.2	04/04/25	04/04/25
Hexachloroethane	ND		ug/L	10	3.7	04/04/25	04/04/25
Nitrobenzene	ND		ug/L	25	8.4	04/04/25	04/04/25
Isophorone	ND		ug/L	10	4.2	04/04/25	04/04/25
2-Nitrophenol	ND		ug/L	10	4.6	04/04/25	04/04/25
2,4-Dimethylphenol	ND		ug/L	10	3.7	04/04/25	04/04/25
Benzoic acid	ND		ug/L	50	7.6	04/04/25	04/04/25
bis(2-Chloroethoxy)methane	ND		ug/L	10	3.9	04/04/25	04/04/25
2,4-Dichlorophenol	ND		ug/L	10	4.4	04/04/25	04/04/25
1,2,4-Trichlorobenzene	ND		ug/L	10	4.1	04/04/25	04/04/25
Naphthalene	ND		ug/L	10	3.8	04/04/25	04/04/25
4-Chloroaniline	ND		ug/L	10	3.6	04/04/25	04/04/25
Hexachlorobutadiene	ND		ug/L	10	3.3	04/04/25	04/04/25
4-Chloro-3-methylphenol	ND		ug/L	10	3.9	04/04/25	04/04/25
2-Methylnaphthalene	ND		ug/L	10	3.6	04/04/25	04/04/25
Hexachlorocyclopentadiene	ND		ug/L	25	10	04/04/25	04/04/25
2,4,6-Trichlorophenol	ND		ug/L	10	4.4	04/04/25	04/04/25
2,4,5-Trichlorophenol	ND		ug/L	10	4.0	04/04/25	04/04/25
2-Chloronaphthalene	ND		ug/L	10	3.9	04/04/25	04/04/25
2-Nitroaniline	ND		ug/L	50	3.4	04/04/25	04/04/25
Dimethylphthalate	ND		ug/L	10	4.0	04/04/25	04/04/25
Acenaphthylene	ND		ug/L	10	4.7	04/04/25	04/04/25
2,6-Dinitrotoluene	ND		ug/L	10	3.9	04/04/25	04/04/25
3-Nitroaniline	ND		ug/L	10	3.6	04/04/25	04/04/25
Acenaphthene	ND		ug/L	10	3.6	04/04/25	04/04/25
2,4-Dinitrophenol	ND		ug/L	50	7.7	04/04/25	04/04/25
4-Nitrophenol	ND		ug/L	10	5.6	04/04/25	04/04/25
Dibenzofuran	ND		ug/L	10	3.6	04/04/25	04/04/25
2,4-Dinitrotoluene	ND		ug/L	10	3.3	04/04/25	04/04/25
Diethylphthalate	ND		ug/L	10	3.1	04/04/25	04/04/25
Fluorene	ND		ug/L	10	3.4	04/04/25	04/04/25
4-Chlorophenyl-phenylether	ND		ug/L	10	3.7	04/04/25	04/04/25
4-Nitroaniline	ND		ug/L	10	3.2	04/04/25	04/04/25

Batch QC

QC1245738 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	13	04/04/25	04/04/25
N-Nitrosodiphenylamine	ND		ug/L	10	5.8	04/04/25	04/04/25
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	3.8	04/04/25	04/04/25
4-Bromophenyl-phenylether	ND		ug/L	10	4.0	04/04/25	04/04/25
Hexachlorobenzene	ND		ug/L	10	3.6	04/04/25	04/04/25
Pentachlorophenol	ND		ug/L	25	3.2	04/04/25	04/04/25
Phenanthrene	ND		ug/L	10	2.7	04/04/25	04/04/25
Anthracene	ND		ug/L	10	2.6	04/04/25	04/04/25
Di-n-butylphthalate	ND		ug/L	10	1.7	04/04/25	04/04/25
Fluoranthene	ND		ug/L	10	1.6	04/04/25	04/04/25
Benzidine	ND		ug/L	50	14	04/04/25	04/04/25
Pyrene	ND		ug/L	10	1.9	04/04/25	04/04/25
Butylbenzylphthalate	ND		ug/L	10	2.2	04/04/25	04/04/25
3,3'-Dichlorobenzidine	ND		ug/L	25	3.5	04/04/25	04/04/25
Benzo(a)anthracene	ND		ug/L	10	0.99	04/04/25	04/04/25
Chrysene	ND		ug/L	10	1.2	04/04/25	04/04/25
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	3.3	04/04/25	04/04/25
Di-n-octylphthalate	ND		ug/L	10	1.3	04/04/25	04/04/25
Benzo(b)fluoranthene	ND		ug/L	10	1.2	04/04/25	04/04/25
Benzo(k)fluoranthene	ND		ug/L	10	1.4	04/04/25	04/04/25
Benzo(a)pyrene	ND		ug/L	10	1.4	04/04/25	04/04/25
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	1.2	04/04/25	04/04/25
Dibenz(a,h)anthracene	ND		ug/L	10	1.5	04/04/25	04/04/25
Benzo(g,h,i)perylene	ND		ug/L	10	1.5	04/04/25	04/04/25
Surrogates	Limits						
2-Fluorophenol	30%		%REC	20-140		04/04/25	04/04/25
Phenol-d6	20%		%REC	20-140		04/04/25	04/04/25
2,4,6-Tribromophenol	60%		%REC	20-140		04/04/25	04/04/25
Nitrobenzene-d5	51%		%REC	20-140		04/04/25	04/04/25
2-Fluorobiphenyl	55%		%REC	20-140		04/04/25	04/04/25
Terphenyl-d14	68%		%REC	20-140		04/04/25	04/04/25

Batch QC

Type: Lab Control Sample	Lab ID: QC1245739	Batch: 367928
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1245739 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	21.23	75.00	ug/L	28%		13-120
2-Chlorophenol	43.24	75.00	ug/L	58%		31-120
1,4-Dichlorobenzene	44.62	75.00	ug/L	59%		24-120
3-,4-Methylphenol	42.89	75.00	ug/L	57%		29-120
N-Nitroso-di-n-propylamine	53.79	75.00	ug/L	72%		32-120
2,4-Dimethylphenol	52.49	75.00	ug/L	70%		25-120
1,2,4-Trichlorobenzene	47.18	75.00	ug/L	63%		26-120
4-Chloro-3-methylphenol	57.15	75.00	ug/L	76%		39-120
2,4,5-Trichlorophenol	56.49	75.00	ug/L	75%		38-120
Acenaphthene	51.71	75.00	ug/L	69%		33-120
4-Nitrophenol	27.02	75.00	ug/L	36%		12-120
2,4-Dinitrotoluene	69.06	75.00	ug/L	92%		46-120
Pentachlorophenol	52.64	75.00	ug/L	70%		37-120
Pyrene	62.27	75.00	ug/L	83%		47-120
Chrysene	59.49	75.00	ug/L	79%		48-120
Benzo(b)fluoranthene	60.10	75.00	ug/L	80%		46-120
Surrogates						
2-Fluorophenol	15.29	40.00	ug/L	38%		20-140
Phenol-d6	10.53	40.00	ug/L	26%		20-140
2,4,6-Tribromophenol	31.27	40.00	ug/L	78%		20-140
Nitrobenzene-d5	25.61	40.00	ug/L	64%		20-140
2-Fluorobiphenyl	25.42	40.00	ug/L	64%		20-140
Terphenyl-d14	31.05	40.00	ug/L	78%		20-140

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1245740	Batch: 367928
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1245740 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	17.56	75.00	ug/L	23%		13-120	19	62
2-Chlorophenol	34.81	75.00	ug/L	46%		31-120	22	62
1,4-Dichlorobenzene	35.68	75.00	ug/L	48%		24-120	22	64
3-,4-Methylphenol	36.22	75.00	ug/L	48%		29-120	17	62
N-Nitroso-di-n-propylamine	45.48	75.00	ug/L	61%		32-120	17	65
2,4-Dimethylphenol	44.42	75.00	ug/L	59%		25-120	17	64
1,2,4-Trichlorobenzene	38.72	75.00	ug/L	52%		26-120	20	63
4-Chloro-3-methylphenol	55.26	75.00	ug/L	74%		39-120	3	58
2,4,5-Trichlorophenol	56.07	75.00	ug/L	75%		38-120	1	59
Acenaphthene	49.54	75.00	ug/L	66%		33-120	4	52
4-Nitrophenol	29.12	75.00	ug/L	39%		12-120	7	63
2,4-Dinitrotoluene	69.31	75.00	ug/L	92%		46-120	0	41
Pentachlorophenol	53.96	75.00	ug/L	72%		37-120	2	42
Pyrene	63.35	75.00	ug/L	84%		47-120	2	43
Chrysene	62.66	75.00	ug/L	84%		48-120	5	46
Benzo(b)fluoranthene	64.27	75.00	ug/L	86%		46-120	7	47
Surrogates								
2-Fluorophenol	12.34	40.00	ug/L	31%		20-140		
Phenol-d6	8.661	40.00	ug/L	22%		20-140		
2,4,6-Tribromophenol	31.40	40.00	ug/L	79%		20-140		
Nitrobenzene-d5	21.04	40.00	ug/L	53%		20-140		
2-Fluorobiphenyl	23.26	40.00	ug/L	58%		20-140		
Terphenyl-d14	31.81	40.00	ug/L	80%		20-140		

Type: Blank	Lab ID: QC1245882	Batch: 367968
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1245882 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.88	04/04/25	04/05/25
Surrogates				Limits			
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		04/04/25	04/05/25

Type: Lab Control Sample	Lab ID: QC1245883	Batch: 367968
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1245883 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	9.392	10.00	ug/L	94%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	10.04	10.00	ug/L	100%		80-120

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1245884	Batch: 367968
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1245884 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	9.234	10.00	ug/L	92%		80-120	2	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.962	10.00	ug/L	100%		80-120		

Type: Sample Duplicate	Lab ID: QC1246555	Batch: 368159
Matrix (Source ID): Water (530479-001)	Method: SM 4500-H+ B	

QC1246555 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	5.840	5.840	SU		0	20	1
Temperature	20.30	19.70	deg C		3	20	1

Type: Blank	Lab ID: QC1246129	Batch: 368044
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1246129 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		04/05/25	04/05/25

Type: Lab Control Sample	Lab ID: QC1246130	Batch: 368044
Matrix: Water	Method: SM 4500-S2-D	Prep Method: METHOD

QC1246130 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type: Matrix Spike	Lab ID: QC1246131	Batch: 368044
Matrix (Source ID): Water (530369-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1246131 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: QC1246132	Batch: 368044
Matrix (Source ID): Water (530369-001)	Method: SM 4500-S2-D	Prep Method: METHOD

QC1246132 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: QC1246791	Batch: 368222
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1246791 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.68	04/08/25	04/08/25

Type: Lab Control Sample	Lab ID: QC1246792	Batch: 368222
Matrix: Water	Method: SM 5310B	Prep Method: SM 5310B

QC1246792 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	25.23	25.00	mg/L	101%		85-115

Type: Matrix Spike	Lab ID: QC1246793	Batch: 368222
Matrix (Source ID): Water (530376-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1246793 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	28.51	0.9553	25.00	mg/L	110%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1246794	Batch: 368222
Matrix (Source ID): Water (530376-001)	Method: SM 5310B	Prep Method: SM 5310B

QC1246794 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	28.50	0.9553	25.00	mg/L	110%		75-125	0	25	1

Type: Blank	Lab ID: QC1246160	Batch: 368053
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1246160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Alkalinity, Bicarbonate, as CaCO ₃	ND		mg/L	2.0		04/05/25	04/05/25
Alkalinity, Total as CaCO ₃	ND		mg/L	2.0		04/05/25	04/05/25

Type: Lab Control Sample	Lab ID: QC1246161	Batch: 368053
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1246161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO ₃	928.5	1000	mg/L	93%		90-110

Type: Sample Duplicate	Lab ID: QC1246539	Batch: 368053
Matrix (Source ID): Water (530364-001)	Method: SM2320B	Prep Method: METHOD

QC1246539 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Alkalinity, Bicarbonate, as CaCO ₃	ND	ND	mg/L			20	0.5
Alkalinity, Total as CaCO ₃	ND	ND	mg/L			20	0.5

Batch QC

Type: Blank	Lab ID: QC1246526	Batch: 368151
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1246526 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	20		04/07/25	04/09/25

Type: Lab Control Sample	Lab ID: QC1246527	Batch: 368151
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1246527 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	996.0	1000	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC1246528	Batch: 368151
Matrix (Source ID): Water (530350-001)	Method: SM2540C	Prep Method: METHOD

QC1246528 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	378.0	394.0	mg/L		4	5	2

Type: Sample Duplicate	Lab ID: QC1246529	Batch: 368151
Matrix (Source ID): Water (530420-001)	Method: SM2540C	Prep Method: METHOD

QC1246529 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	722.0	732.0	mg/L		1	5	2

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

Laboratory Job Number 530431

Subcontracted Products

Pace Laboratories



April 15, 2025

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

RE: Project: 530431
Pace Project No.: 30770333

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on April 08, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

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



REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 530431
Pace Project No.: 30770333

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30770333001	FP-01	Water	04/04/25 12:15	04/08/25 10:44

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



ENTHALPY

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



2505643

25-05643

Subcontract Laboratory:

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

Enthalpy Order: EO-530431

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

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
FP-01	04-APR-2025 12:15	530431-001	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	Tris Kelly	christopher Leyva CD
	Date: 4/7/25	Date: 4/8/25 1044
	Date:	Date:
	Date:	Date:

CHK BY	DISTRIBUTION
MPT	SM ☐ ☐ ☐ ☐ ☐
	SUB OUT ☐

PACE ANALYTICAL		COOLER RECEIPT FORM		Page <u>1</u> Of <u>1</u>	
Submission #: <u>25-05643</u>					
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☒ NO ☐ W S
Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: _____					
Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: _____ Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐					
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐					
COC Received ☒ YES ☐ NO		Emissivity: <u>0.97</u> Container: <u>N/A</u> Thermometer ID: <u>274</u> Temperature: (A) <u>3.9</u> °C / (C) <u>3.9</u> °C		Date/Time <u>4/8/25 1044</u> Analyst Init <u>CL2</u>	

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

Comments: _____
 Sample Numbering Completed By: CL2
 A = Actual / C = Corrected

Date/Time: 4/8/25 1956

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



Date of Report: 04/14/2025

Nikayla Yasurek

PACE Analytical - PA

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

Client Project: EO-530431

Pace Project: Chiquita Canyon Landfill Stormwater

Pace Work Order: 2505643

Invoice ID: B515611

Enclosed are the results of analyses for samples received by the laboratory on 4/8/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Williams
Client Service Rep

Steven Bennett
Operations Manager

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

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

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

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2505643-01 - FP-01

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Quality Control Reports

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

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Internal Transfer Chain of Custody



☐ Rush Multiplier ☒ X
☐ Samples Pre-Logged into eCOC
 Workorder: 30770333 Workorder Name: 530431

Cert. Needed: ☐ Yes ☐ No
 Owner Received Date: 4/8/2025 Results Requested By: 4/22/2025



Report To		Subcontract To		Requested Analysis			
Nikayla M. Yasurek Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600		Pace Analytical Bakersfield 4100 Atlas Court Bakersfield, CA 93313 Phone (661)327-4911		Organophosphorus Pesticides			
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers	LAB USE ONLY
1	FP-01	PS	4/4/2025 12:15	30770333001	Water	1	
2							
3							
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y or N	Samples Intact	Y or N
1								
2								
3								

Cooler Temperature on Receipt _____ °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N
 ***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.



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

INTER LABORATORY WORK ORDER # 30770333

(To be completed by sending lab)

Sending Project No:	30770333
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	04/10/25
REQUESTED COMPLETION DATE:	4/22/2025

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

All questions should be addressed to sending project manager.

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

WORK REQUESTED						
Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc.
Organophosphorus Pesticides	DG9H		HCL	1	SI-33GCV	SUB PASI GCV

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

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☐ No

DISPOSITION of FORM

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

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



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



2505643

Subcontract Laboratory:

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

Enthalpy Order: EO-530431

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

Results Due: Standard TAT

Report Level: II

Report To: MDL

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

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
FP-01	04-APR-2025 12:15	530431-001	1	Water	Organophosphorus Pesticides	

Notes:	Relinquished By:	Received By:
	TESTER Tris Kelly	christopher Leyva CO
	Date: 4/7/25	Date: 4/8/25 1044
	Date:	Date:
	Date:	Date:

CHK BY	DISTRIBUTION
API	SM
	SUB OUT

Chain of Custody and Cooler Receipt Form for 2505643 Page 4 of 4

PACE ANALYTICAL		COOLER RECEIPT FORM		Page <u>1</u> Of <u>1</u>	
Submission #: <u>25-05643</u>					
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☐ NO ☒ <u>(W)</u> S
Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: _____					
Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: _____					
Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐					
All samples received? Yes ☒ No ☐		All samples containers Intact? Yes ☒ No ☐		Description(s) match COC? Yes ☒ No ☐	
COC Received ☒ YES ☐ NO		Emissivity: <u>0.97</u> Container: <u>N/A</u> Thermometer ID: <u>274</u>		Date/Time <u>4/8/25</u> 1044	
		Temperature: (A) <u>3.9</u> °C / (C) <u>3.9</u> °C		Analyst Init <u>CL2</u>	

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

Comments: _____ Date/Time: 4/8/25 1956 Rev 23 05/20/22
 Sample Numbering Completed By: CL2
 A = Actual / C = Corrected [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC\rev 20]



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

Reported: 04/14/2025 16:39
Project: Chiquita Canyon Landfill Stormwater
Project Number: EO-530431
Project Manager: Nikayla Yasurek

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2505643-01	COC Number:	---	Receive Date:	04/08/2025 10:44
	Project Number:	---	Sampling Date:	04/04/2025 12:15
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	FP-01	Lab Matrix:	Water
	Sampled By:	Zachary Barker	Sample Type:	Water

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

Reported: 04/14/2025 16:39
Project: Chiquita Canyon Landfill Stormwater
Project Number: EO-530431
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Pace Sample ID: 2505643-01		Client Sample Name: FP-01, 4/4/2025 12:15:00PM, Zachary Barker						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Azinphos methyl	ND	ug/L	0.50	0.12	EPA-8141A	ND		1
Bolstar	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Chlorpyrifos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Coumaphos	ND	ug/L	0.50	0.11	EPA-8141A	ND		1
Demeton O/S	ND	ug/L	0.20	0.056	EPA-8141A	ND		1
Diazinon	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Dichlorvos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Disulfoton	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Ethoprop	ND	ug/L	0.20	0.052	EPA-8141A	ND		1
Fensulfothion	ND	ug/L	0.20	0.051	EPA-8141A	ND		1
Fenthion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Merphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Methyl parathion	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Mevinphos	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Naled	ND	ug/L	0.50	0.17	EPA-8141A	ND		1
Phorate	ND	ug/L	0.20	0.066	EPA-8141A	ND		1
Ronnel (Fenchlorphos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Stirophos (Tetrachlorvinphos)	ND	ug/L	0.20	0.082	EPA-8141A	ND		1
Tokuthion (Prothiofos)	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Trichloronate	ND	ug/L	0.20	0.050	EPA-8141A	ND		1
Triphenylphosphate (Surrogate)	91.6	%	50 - 130 (LCL - UCL)		EPA-8141A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8141A	04/10/25 16:00	04/11/25 19:13	HAH	GC-18	1	B210122	EPA 3510C

DCN = Data Continuation Number



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

Reported: 04/14/2025 16:39
Project: Chiquita Canyon Landfill Stormwater
Project Number: EO-530431
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B210122							
Azinphos methyl	B210122-BLK1	ND	ug/L	0.50	0.12		1
Bolstar	B210122-BLK1	ND	ug/L	0.20	0.050		1
Chlorpyrifos	B210122-BLK1	ND	ug/L	0.20	0.050		1
Coumaphos	B210122-BLK1	ND	ug/L	0.50	0.11		1
Demeton O/S	B210122-BLK1	ND	ug/L	0.20	0.056		1
Diazinon	B210122-BLK1	ND	ug/L	0.20	0.050		1
Dichlorvos	B210122-BLK1	ND	ug/L	0.20	0.050		1
Disulfoton	B210122-BLK1	ND	ug/L	0.20	0.050		1
Ethoprop	B210122-BLK1	ND	ug/L	0.20	0.052		1
Fensulfothion	B210122-BLK1	ND	ug/L	0.20	0.051		1
Fenthion	B210122-BLK1	ND	ug/L	0.20	0.050		1
Merphos	B210122-BLK1	ND	ug/L	0.20	0.050		1
Methyl parathion	B210122-BLK1	ND	ug/L	0.20	0.050		1
Mevinphos	B210122-BLK1	ND	ug/L	0.20	0.050		1
Naled	B210122-BLK1	ND	ug/L	0.50	0.17		1
Phorate	B210122-BLK1	ND	ug/L	0.20	0.066		1
Ronnel (Fenchlorphos)	B210122-BLK1	ND	ug/L	0.20	0.050		1
Stirophos (Tetrachlorvinphos)	B210122-BLK1	ND	ug/L	0.20	0.082		1
Tokuthion (Prothiofos)	B210122-BLK1	ND	ug/L	0.20	0.050		1
Trichloronate	B210122-BLK1	ND	ug/L	0.20	0.050		1
Triphenylphosphate (Surrogate)	B210122-BLK1	101	%	50 - 130 (LCL - UCL)			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B210122-BLK1	PB	EPA-8141A	04/10/25	04/11/25 16:32	HAH	GC-18	1

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

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

Reported: 04/14/2025 16:39
Project: Chiquita Canyon Landfill Stormwater
Project Number: EO-530431
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Run #
								Percent Recovery	RPD	Quals	
QC Batch ID: B210122											
Bolstar	B210122-BS1	LCS	1.7600	2.0000	ug/L	88.0		50 - 130			1
Chlorpyrifos	B210122-BS1	LCS	1.8050	2.0000	ug/L	90.2		60 - 120			1
Diazinon	B210122-BS1	LCS	1.8800	2.0000	ug/L	94.0		60 - 130			1
Methyl parathion	B210122-BS1	LCS	1.7900	2.0000	ug/L	89.5		60 - 120			1
Mevinphos	B210122-BS1	LCS	1.9900	2.0000	ug/L	99.5		50 - 120			1
Ronnel (Fenchlorphos)	B210122-BS1	LCS	1.8050	2.0000	ug/L	90.2		50 - 120			1
Stirophos (Tetrachlorvinphos)	B210122-BS1	LCS	2.0700	2.0000	ug/L	104		50 - 120			1
Triphenylphosphate (Surrogate)	B210122-BS1	LCS	2.4250	2.5000	ug/L	97.0		50 - 130			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B210122-BS1	LCS	EPA-8141A	04/10/25	04/11/25 17:02	HAH	GC-18	1

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

Reported: 04/14/2025 16:39
Project: Chiquita Canyon Landfill Stormwater
Project Number: EO-530431
Project Manager: Nikayla Yasurek

Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

Quality Control Report - Precision & Accuracy

										Control Limits		
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals	R#
QC Batch ID: B210122		Used client sample: N										
Bolstar	MS	2505638-02	ND	2.1150	2.0000	ug/L		106		60 - 120		1
	MSD	2505638-02	ND	2.0700	2.0000	ug/L	2.2	104	30	60 - 120		2
Chlorpyrifos	MS	2505638-02	ND	2.0250	2.0000	ug/L		101		60 - 120		1
	MSD	2505638-02	ND	2.0250	2.0000	ug/L	0	101	30	60 - 120		2
Diazinon	MS	2505638-02	ND	1.7900	2.0000	ug/L		89.5		60 - 130		1
	MSD	2505638-02	ND	1.7000	2.0000	ug/L	5.2	85.0	30	60 - 130		2
Methyl parathion	MS	2505638-02	ND	1.9550	2.0000	ug/L		97.8		60 - 120		1
	MSD	2505638-02	ND	1.9700	2.0000	ug/L	0.8	98.5	30	60 - 120		2
Mevinphos	MS	2505638-02	ND	2.5500	2.0000	ug/L		128		50 - 120	Q03	1
	MSD	2505638-02	ND	2.4550	2.0000	ug/L	3.8	123	30	50 - 120	Q03	2
Ronnel (Fenchlorphos)	MS	2505638-02	ND	1.8950	2.0000	ug/L		94.8		50 - 120		1
	MSD	2505638-02	ND	1.7950	2.0000	ug/L	5.4	89.8	30	50 - 120		2
Stirophos (Tetrachlorvinphos)	MS	2505638-02	ND	2.4050	2.0000	ug/L		120		50 - 120		1
	MSD	2505638-02	ND	2.3650	2.0000	ug/L	1.7	118	30	50 - 120		2
Triphenylphosphate (Surrogate)	MS	2505638-02	ND	2.2500	2.5000	ug/L		90.0		50 - 130		1
	MSD	2505638-02	ND	2.3450	2.5000	ug/L	4.1	93.8		50 - 130		2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run		Analyst	Instrument	Dilution
					Date	Time			
1	B210122-MS1	MS	EPA-8141A	04/10/25	04/11/25	17:44	HAH	GC-18	1
2	B210122-MSD1	MSD	EPA-8141A	04/10/25	04/11/25	18:14	HAH	GC-18	1

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

Reported: 04/14/2025 16:39
Project: Chiquita Canyon Landfill Stormwater
Project Number: EO-530431
Project Manager: Nikayla Yasurek

Notes And Definitions

MDL Method Detection Limit
ND Analyte Not Detected
PQL Practical Quantitation Limit
Q03 Matrix spike recovery(s) was(were) not within the control limits.

Laboratory Job Number 530431

Subcontracted Products

McCampbell Analytical, Inc.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2504593

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker

Project P.O.: 079649

Project: EO-530431

Project Location:

Project Received: 04/08/2025

Analytical Report reviewed & approved for release on 04/11/2025 by:

Yen Cao

Yen Cao

Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

WorkOrder: 2504593

Project: EO-530431

Glossary Abbreviation

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

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

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



Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical

WorkOrder: 2504593

Project: EO-530431

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



Analytical Report

Client: Enthalpy Analytical
Date Received: 04/08/2025 11:51
Date Prepared: 04/09/2025
Project: EO-530431

WorkOrder: 2504593
Extraction Method: SW8151A
Analytical Method: SW8151A
Unit: µg/L

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
FP-01	2504593-001A	Water	04/04/2025 12:15	GC15A 04102518.D	314932

Analytes	Result	MDL	RL	DE	Date Analyzed
Acifluorfen	ND	0.26	1.0	1	04/10/2025 19:36
Bentazon	ND	0.41	1.0	1	04/10/2025 19:36
Chloramben	ND	0.31	1.0	1	04/10/2025 19:36
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	1	04/10/2025 19:36
2,4-DB	ND	0.21	1.0	1	04/10/2025 19:36
Dalapon	ND	0.39	1.0	1	04/10/2025 19:36
DCPA (mono & diacid)	ND	0.14	1.0	1	04/10/2025 19:36
Dicamba	ND	0.059	0.20	1	04/10/2025 19:36
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	1	04/10/2025 19:36
Dichloroprop	ND	0.18	1.0	1	04/10/2025 19:36
Dinoseb (DNBP)	ND	0.18	1.0	1	04/10/2025 19:36
MCPA	ND	1.4	2.0	1	04/10/2025 19:36
MCPP	ND	0.77	2.0	1	04/10/2025 19:36
4-Nitrophenol	ND	0.50	1.0	1	04/10/2025 19:36
Pentachlorophenol (PCP)	ND	0.055	0.20	1	04/10/2025 19:36
Picloram	ND	0.35	1.0	1	04/10/2025 19:36
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	1	04/10/2025 19:36
2,4,5-TP (Silvex)	ND	0.14	0.50	1	04/10/2025 19:36

Surrogates	REC (%)	Limits	
DCAA	94	60-140	04/10/2025 19:36

Analyst(s): DP



Analytical Report

Client: Enthalpy Analytical
Date Received: 04/08/2025 11:51
Date Prepared: 04/10/2025
Project: EO-530431

WorkOrder: 2504593
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
FP-01	2504593-001B	Water	04/04/2025 12:15	GC26 0410250306.D	315114

Analytes	Result	MDL	RL	DF	Date Analyzed
Carbon Dioxide	23,000	1000	1000	20	04/10/2025 17:22

Analyst(s): CLO



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 04/09/2025
Date Analyzed: 04/10/2025
Instrument: GC15A
Matrix: Water
Project: EO-530431

WorkOrder: 2504593
BatchID: 314932
Extraction Method: SW8151A
Analytical Method: SW8151A
Unit: µg/L
Sample ID: MB/LCS/LCSD-314932

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Acifluorfen	ND	0.26	1.0	-	-	-
Bentazon	ND	0.41	1.0	-	-	-
Chloramben	ND	0.31	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.059	0.20	-	-	-
2,4-DB	ND	0.21	1.0	-	-	-
Dalapon	ND	0.39	1.0	-	-	-
DCPA (mono & diacid)	ND	0.14	1.0	-	-	-
Dicamba	ND	0.059	0.20	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.19	1.0	-	-	-
Dichloroprop	ND	0.18	1.0	-	-	-
Dinoseb (DNBP)	ND	0.18	1.0	-	-	-
MCPA	ND	1.4	2.0	-	-	-
MCPP	ND	0.77	2.0	-	-	-
4-Nitrophenol	ND	0.50	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.055	0.20	-	-	-
Picloram	ND	0.35	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.056	0.20	-	-	-
2,4,5-TP (Silvex)	ND	0.14	0.50	-	-	-
Surrogate Recovery						
DCAA	9.8			10	98	70-130

(Cont.)



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 04/09/2025
Date Analyzed: 04/10/2025
Instrument: GC15A
Matrix: Water
Project: EO-530431

WorkOrder: 2504593
BatchID: 314932
Extraction Method: SW8151A
Analytical Method: SW8151A
Unit: µg/L
Sample ID: MB/LCS/LCSD-314932

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	9.7	8.4	10	97	84	70-130	14.9	30
Bentazon	10	9.9	10	104	99	70-130	4.81	30
Chloramben	9.5	9.4	10	95	93	70-130	1.41	30
2,4-D (Dichlorophenoxyacetic acid)	9.4	9.7	10	94	97	70-130	2.41	30
2,4-DB	11	12	10	111	119	70-130	7.53	30
Dalapon	10	10	10	101	102	70-130	0.766	30
DCPA (mono & diacid)	9.1	8.4	10	91	84	70-130	7.90	30
Dicamba	9.3	9.5	10	93	95	70-130	1.43	30
3,5-Dichlorobenzoic Acid	9.2	9.2	10	92	92	70-130	0.798	30
Dichloroprop	9.2	9.3	10	92	93	70-130	0.838	30
Dinoseb (DNBP)	9.2	9.3	10	92	93	70-130	0.810	30
MCPA	110	110	100	110	110	70-130	0.285	30
MCPP	87	86	100	87	86	70-130	0.728	30
4-Nitrophenol	12	12	10	116	122	70-130	4.98	30
Pentachlorophenol (PCP)	9.3	9.4	10	93	94	70-130	1.21	30
Picloram	9.7	9.0	10	97	90	70-130	7.29	30
2,4,5-T (Trichlorophenoxy acetic acid)	9.7	9.7	10	97	97	70-130	0.302	30
2,4,5-TP (Silvex)	9.4	9.4	10	94	94	70-130	0.563	30
Surrogate Recovery								
DCAA	9.6	9.7	10	96	97	70-130	1.49	30



Quality Control Report

Client: Enthalpy Analytical
Date Prepared: 04/10/2025
Date Analyzed: 04/10/2025
Instrument: GC26
Matrix: Water
Project: EO-530431

WorkOrder: 2504593
BatchID: 315114
Extraction Method: RSK175
Analytical Method: RSK175
Unit: µg/L
Sample ID: MB/LCS/LCSD-315114

QC Summary Report for RSK175

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

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Carbon Dioxide	130	150	187.2	72	81	70-130	12.7	30

McCampbell Analytical, Inc.



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

☐ WaterTrax ☐ CLIP ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2504593

ClientCode: ENO

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

Report to:

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

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-530431

Bill to:

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

Requested TAT: 3 days;

Date Received: 04/08/2025

Date Logged: 04/08/2025

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2504593-001	FP-01	Water	4/4/2025 12:15	☐	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: Lilly Ortiz

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-530431

Work Order: 2504593

Client Contact: Zach Barker

QC Level: LEVEL 2

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

Comments

Date Logged: 4/8/2025

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	FP-01	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	4/4/2025 12:15	3 days	4/11/2025	None	☐	☐
001B	FP-01	Water	RSK175 (CO2)	2	VOA, Unpres	☐	☐	☐	4/4/2025 12:15	3 days	4/11/2025	None	☐	☐

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

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

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

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

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

2804593



ENTHALPY

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

Subcontract Laboratory:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

HOLD TIME RUSHEnthalpy Order: EO-530431

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

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

Notes:

Chiquita Canyon Landfill

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
FP-01	04-APR-2025 12:15	530431-001	1	Water	EPA 8151A Chlorinated Herbicides	
			2	Water	RSK-175 CO2	

Notes:	Relinquished By:	Received By:
	Tris Kelly	<i>[Signature]</i>
	Date: 4/7/25	Date: 4/8/25 11:51
		<i>[Signature]</i>
	Date:	Date:
	Date:	Date:



Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-530431

Date and Time Received: 4/8/2025 11:51

Date Logged: 4/8/2025

Received by: Lilly Ortiz

Logged by: Lilly Ortiz

WorkOrder No: 2504593 Matrix: Water
Carrier: Golden State Overnight

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 0.1°C	NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐ No ☐	NA ☒
Sample labels checked for correct preservation?	Yes ☒ No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐ No ☐	NA ☒

UCMR Samples:

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

Comments: