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

enthalpy.com

Lab Job Number : 515273
Report Level : II
Report Date : 09/18/2024

Analytical Report *prepared for:*

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

Location: Chiquita Canyon LF New Wells - RM 22.1077.00113

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #: 515273
Location: Chiquita Canyon LF New Wells - RM 22.1077.00113
Date Received: 09/03/24

Sample ID	Lab ID	Collected	Matrix
DW-31	515273-001	09/03/24 12:48	Water
QCTB	515273-002	09/03/24 00:00	Water
QCFB	515273-003	09/03/24 00:00	Water
QCEB	515273-004	09/03/24 00:00	Water

ENTHALPY ANALYTICAL

Case Narrative

RMC Geoscience 775 Baywood Drive Suite 305 Petaluma, CA 94954 Adrienne Thibeault	Lab Job Number:	515273
	Location:	Chiquita Canyon LF New Wells - RM 22.1077.00113
	Date Received:	09/03/24

This data package contains sample and QC results for four water samples, requested for the above referenced project on 09/04/24. The samples were received cold and intact.

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

- DW-31 (lab # 515273-001) had pH greater than 2.
- No other analytical problems were encountered.

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

- High recoveries were observed for 2,4-dimethylphenol and 2,4,5-trichlorophenol in the BSD for batch 349474; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated sample.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

PCBs (EPA 8082):

- High surrogate recovery was observed for decachlorobiphenyl (PCB) in the BSD for batch 349611.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):

- High recoveries were observed for iron in the MS/MSD for batch 349489; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 349402; 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.

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):

- High recovery was observed for chemical oxygen demand in the MSD of DW-31 (lab # 515273-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Cyanide - Semi-Automated Method (EPA 335.4):

- Low recoveries were observed for cyanide in the MS/MSD for batch 349476; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. The cyanide sample was received in an unpreserved plastic bottle. The sodium hydroxide preservative was added upon receipt at the laboratory.
- No other analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
American Environmental Testing in Burbank, CA performed the analysis (NELAP certified). Please see the American Environmental Testing case narrative.

Dioxins & Furans (EPA 8290):
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 515273

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

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Phone 714-771-6900

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geologic Associates	Name:	Chiquita Canyon LF New Wells
Report To:	Adrienne Thibeault	Number:	RM22.1077.00/13
Email:	athibeault@geo-logic.com	P.O. #:	
Address:	2777 East Guasti Dr,	Address:	29201 Henry Mayo Dr,
	Ontario CA		Castaic, CA 91384
Phone:	1-949-677-1093	Global ID:	T0034642 43
Fax:		Sampled By:	Ryan Rivera

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Bromide, Chloride, Fluoride, Nitrate-N, TDS, Ammonia-N, CO_2 (free & total)	COD, pH, Sulfide, Total Organic Carbon and TOX, Total Phenols, Total Hardness	SVOCs + 1,4-dioxane, Chlorinated Herbicides, Organophosphorus pesticides, Organochlorine Pesticides,	VOCs App I and 2 + dichlorodifluoromethane	Total metals, Calcium, Boron, Iron, Sodium, Manganese, Magnesium, Potassium	App 2 metals - Total (Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn, V, Zn)	Bicarbonate (as $CaCO_3$), Bicarbonate (as HCO_3), Carbonate (as $CaCO_3$), Alkalinity (as $CaCO_3$)	Hydroxide (as $CaCO_3$), Total Cations, Total anions	Total phosphorus, phosphate, cyanide	Test Instructions / Comments
1	DW-31	9/3/24	12:48 pm	W	31	✓	X	X	X	X	X	X	X	X	X	X	1202 4.3°C/4.5°C
2	QCTB	9/3/24		W	2	✓					X						
3	QCFB	9/3/24		W	3	✓					X						
4	QCEB	9/3/24		W	3	✓					X						
5																	
6																	
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Ryan C. Rivera	Ryan C. Rivera	Geologic Associates	9-3-24 1756
[1] Received By:		Jim Lim / Sanji's Pinch	SA-NM	9-3-24 1756
[2] Relinquished By:		Sanji's Pinch	GA	9/4/24 1606
[2] Received By:			FA	9/4/24 1600
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 9.3.24 WO# _____ Client: GEOLOGIC ASSOCIATES

Section 2: Shipping / Custody **Are custody seals present? ☐ Yes ☒ No**

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

Shipping Info: _____

Section 3a: Condition / Packaging ☒ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 9.3.24 By (initials) MF Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None

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

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

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2

Cooler Temp (°C) #1: 23.2 / 13.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

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

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

☐ Adequate headspace for microbiology analysis.

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

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

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

Section 5: Explanations / Comments ☐ **PM notified**

_____

_____

_____

_____

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_____

_____

_____

_____

_____

_____

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

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

SAMPLE RECEIPT CHECKLIST

AS 9/5/24

Section 1: General Info

Date Received: 914124 WO# 515273 Client: Geologic AS.

Section 2: Shipping / Custody Are custody seals present? ☐ Yes ☑ No

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

Shipping Info: _____

Section 3a: Condition / Packaging ☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 914124 By (initials) Sangis 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: IR02 CF: +0.2

Cooler Temp (°C) #1: 4.3 / 4.5 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

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

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

☐ Adequate headspace for microbiology analysis.

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

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

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible? AS 914124	✓	✓	
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? AS 914124	✓	✓	
6) Are sample labels present, legible, and in agreement with the CoC? AS 914124	✓	✓	
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? AS 914124	✓	✓	
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? AS 914124	✓	✓	

Section 5: Explanations / Comments ☐ PM notified

4.1 Pencil was used to fill out the COC.

4.6 Containers labeled with time between 1248-1316

4.9 Cyan - The container for Cyanide was not preserved AS 914124

4.13 6/12 vials received for Sample 1 exceed headspace

4.5 Did not receive Sample 3 and 4.

Date Logged 913124 By (print) AS (sign) _____

Date Labeled 914124 By (print) Orange (sign) _____

Zach Barker

From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Wednesday, September 4, 2024 1:05 PM
To: Zach Barker
Cc: Mark Ellis
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

No, this was *my* mistake, not yours – we didn't have it on the bottle order I sent you originally. I just wanted to make sure it was going to be included. Thanks for covering that!

Adrienne Thibeault, PG
Senior Geologist

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From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Wednesday, September 4, 2024 12:52 PM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Hi Adrienne,

Yes the sulfate will be analyzed on the same run as the nitrate and the sodium will be analyzed on the same run as all of the metals. I always try and include all of compounds on the bottle order to avoid confusion, but sometimes I may miss one or two.

Sorry about that!

Thanks,

Zach Barker
Project Manager
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From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Wednesday, September 4, 2024 12:50 PM
To: Zach Barker <Zach.Barker@enthalpy.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Hi again, Zach –

I just realized sulfate and sodium weren't included on the bottle order. Do you have enough sample volume to add those two analytes to the list?

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Senior Geologist

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From: Thibeault, Adrienne
Sent: Wednesday, September 4, 2024 12:39 PM
To: Zach Barker <Zach.Barker@enthalpy.com>
Cc: Jim Lin <jim.lin@enthalpy.com>; Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>; Mitchell, Richard <rmitchell@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Hi Zach,

It just struck me that I never replied to this email – sorry about that. I confirmed that we do not need the TOX analysis, so please cross that one off the list. Thank you for checking!

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Zach Barker

From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Friday, September 6, 2024 3:56 PM
To: Zach Barker
Cc: Mark Ellis
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

I appreciate you, Zach. Have a wonderful weekend 😊

Adrienne Thibeault, PG
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From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Friday, September 6, 2024 3:55 PM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Got it! I'll put sulfate back on the reporting list. I already removed the alkalinity/carbonate/bicarbonate/hydroxide and the ion balance calculation. Additionally, because the hardness calculation is analyzed based on calcium and magnesium by 6010, removing that calculation is no trouble at all and will not incur any cost.

Thanks,

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From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Friday, September 6, 2024 3:46 PM
To: Zach Barker <Zach.Barker@enthalpy.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Thank you sooooo much for understanding. I appreciate you jumping on this so quickly.

I want to keep the cations/anions you have listed below, we just don't need the "total anions/cations calculations" line item anymore. So, please keep all of the constituents you have highlighted in red, and we need sulfate as well – these are all part of the sites routine monitoring parameters.

Thanks again! Let me know if you have any questions.

(Sorry for my late reply, it's been a very busy Friday).

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From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Friday, September 6, 2024 10:34 AM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Hi Adrienne,

I will remove these analyses right now. All that had been batched was hardness on the first sample. There's no worries on this, as I completely understand how dynamic and fluid (no pun intended) the work at chiquita is. It changes every day, every hour, and sometimes seemingly every minute.

Can you please help specify exactly which cations and anions you want removed? On the list you sent me and on the COC, "total cations, total anions" are requested. However, almost every single cation and anion we use for the ion balance calculation is also individually requested on the COC (except sulfate). Can you please help me identify exactly which ones are to be removed? Specifically the cations and anions which are in red? The cations and anions we use for our ion balance calculation are as follows:

- Calcium
- Magnesium
- Sodium
- Potassium
- Carbonate -- you specified removing this.
- Bicarbonate – you specified removing this.
- Hydroxide -- you specified removing this.
- Sulfate – This was NOT specifically on the COC. I will remove it now.

- Chloride
- Nitrate

Thanks,

Zach Barker
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From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Friday, September 6, 2024 10:02 AM
To: Zach Barker <Zach.Barker@enthalpy.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Oh, Zach… we (I) screwed up. I had one of the staff put together the bottle order to send to you for Chiquita Canyon, but when I went to check it against the WDRs and investigative order for the site this morning (I should have done it much earlier, I know), I saw some inconsistencies with what we requested in the regulator documents. Before I get into the particulars, I just want to say that we will pay for whatever work has already been completed.

To make sure we don't find something that we weren't even supposed to test for, we need to cancel the following analyses:

Bicarbonate (as (HCO3)
Carbonate (as CaCO3)
Hydroxide
Total Hardness
Cation/Anion Calcs
Total Phosphorous
Phosphate
Total Phenols
TOC

I saw mercury wasn't on the BO, though it is an Appx II constituent. Is it too late to add that to the list of analyses?

Sorry to be such a pain in the butt. This is your first experience working with me and I know I've already been more work than either of us would like to admit. I sincerely appreciate your patience! Let me know what you can do to make the changes I listed above. I apologize again for the inconvenience.

Adrienne Thibeault, PG
Senior Geologist

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From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Thursday, September 5, 2024 11:59 PM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>; Mitchell, Richard <rmitchell@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Adrienne,

I apologize I didn't get the finalize TIC list for 8260 over to you. I will have this over tomorrow.

Thanks,

Zach Barker
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From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Thursday, September 5, 2024 3:44 PM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>; Mitchell, Richard <rmitchell@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Understood. Mark Ellis will revise the quote and/or confirm the 8290 2,3,7,8 TCDD only rate. Appreciate your fast response on all this.

Thanks,

Zach Barker
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From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Thursday, September 5, 2024 3:39 PM
To: Zach Barker <Zach.Barker@enthalpy.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>; Mitchell, Richard <rmitchell@geo-

logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

We're on a pretty tight schedule, so let's go with El Dorado Hills' 15-day TAT.

Rick, I wanted to make sure you're in the loop for this one. Enthalpy has to sub out 2,3,7,8 TCDD (EPA Method 8290), so while we should see the rest of the results around September 19-20, we won't have complete results until September 30.

Adrienne Thibeault, PG
Senior Geologist

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From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Thursday, September 5, 2024 3:20 PM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Hi Adrienne,

Each of our sister labs got back to me on this. Enthalpy El Dorado Hills is able to accommodate a 15 day standard TAT for this. Enthalpy Wilmington is able to do a 20 day standard TAT. While Enthalpy Wilmington does have the longer TAT, they are the lab that has done the previous Chiquita 8290 work. Neither lab has receiving over the weekend, therefore we will have to sub these on Monday, 9/9 and the samples will arrive on Tuesday, 9/10 which is when the TAT will begin (for the 8290 only).

Please advise on which option you would like to go with and let me know if you have any additional questions.

Thanks!

Zach Barker
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From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Thursday, September 5, 2024 2:35 PM

To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

You got it Adrienne!

Good news: the EB and FB were found in a refrigerator so there will be no issues in reporting the data and the data for each will be on this report. I apologize for the false alarm and the extra worry!

I'll have the TIC list over to you today or this evening.

Thanks,

.**Zach Barker**
Project Manager
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From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Thursday, September 5, 2024 2:11 PM
To: Zach Barker <Zach.Barker@enthalpy.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Thanks you for everything, Zach. Glad we could figure this out. I appreciate it.

Adrienne Thibeault, PG
Senior Geologist

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athibeault@geo-logic.com
www.geo-logic.com

From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Thursday, September 5, 2024 12:34 PM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Adrienne,

I'm sorry about the late notice on the missing EB and FB. I spoke to Jim in the North Hollywood Service Center, and he agrees that the EB and FB were present when he received the samples. He also says they went out with our courier yesterday. Our courier delivered these samples to Orange late in the afternoon yesterday. Our team in Orange informed me that they did not see the EB and FB and did not notify me until well after hours last night, which is why the notice is coming in late. I am having our team double check everything, and I am also having the courier who transported the samples from North Hollywood to Orange double check everything. I will keep you updated.

Regarding the 2,3,7,8 TCDD, I will determine the fastest TAT we can get on a standard TAT with our two sister lab options and I will have Mark reach out with pricing. We will proceed with the work around for the cyanide analysis.

I will update you when I have completed the 8270 TIC list and when I have a resolution regarding the EB and FB.

Thank you,

Zach Barker
Project Manager
Enthalpy Analytical
931 W Barkley Ave. | Orange, CA 92868
Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
zach.barker@enthalpy.com |enthalpy.com
Terms and Conditions

From: Thibeault, Adrienne <athibeault@geo-logic.com>
Sent: Thursday, September 5, 2024 12:09 PM
To: Zach Barker <Zach.Barker@enthalpy.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>; Rivera, Ryan <rrivera@geo-logic.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Hi Zach, my responses in green below.

Adrienne Thibeault, PG
Senior Geologist

Geo-Logic Associates
Office: (909) 626-2282
Mobile: (949) 677-1093
athibeault@geo-logic.com
www.geo-logic.com

From: Zach Barker <Zach.Barker@enthalpy.com>
Sent: Thursday, September 5, 2024 11:56 AM
To: Thibeault, Adrienne <athibeault@geo-logic.com>
Cc: Mark Ellis <mark.ellis@enthalpy.com>
Subject: RE: [External] - Chiquita Landfill Bottle Order - New Wells

Hi Adrienne,

I wanted to update you and go over a couple items.

- We did not receive containers for the field blank or equipment blank samples collected on September 3rd. I only provided one extra set of HCl preserved VOAs for one field blank, one equipment blank and one trip blank. Were the equipment and field blanks collected yesterday, instead of 9/3? COC is attached for your reference.

  I assume the number of bottles would've been checked and compared against the COC at the service center before the bottles were shipped to your laboratory in Orange? I'm curious as to why we're just hearing about this now? I had a senior geologist onsite with Ryan confirming the sample were collected correctly – I was on the phone with both of them throughout the process of double checking the bottles – so I'm confident that all of the bottles were accounted for when they were delivered to the service center. Has anyone checked on this with them? Equipment/field blanks were collected on both days.

- We will be reporting a fair amount of TICs for the 8270 list and a couple for the 8260 list. The 8260 TICs will be: isobutanol and 2-methylacetonitrile. So far the 8270 TICs are: ethyl methane sulfonate, methyl methane sulfonate and pentachlorobenzene. I will provide a final list of 8270 TICs today, but I can see there are others that will be added.

  Understood.

- I noticed on the Appendix II list that 2,3,7,8 TCDD is on this list (see page 9 CAS 1746-01-6). This compound is not listed on the original document you sent me or the COC. I did provide 1 extra 1L amber just in case for a situation like this. Do you want us to proceed with that analysis? If so, the work will go to either our sister lab in El Dorado Hills or our sister lab in Wilmington, NC. Which ever can accommodate a faster TAT. Please be advised that the standard TAT for this analysis is usually anywhere from 20-25 business days and the cost is in the $800 or so range (I'll have Mark confirm a price). We have the option of analyzing via EPA 8290 or 1613B. Both methods are CA ELAP certified at our sister labs. **Please confirm if you would like to proceed with this analysis.**

  Yes, please – thank you for catching my oversite.

- We did not receive a bottle for cyanide. Looking at the bottle order, I see that this is an oversite on MY part despite double checking the bottle order. I sincerely apologize for this. I provided an extra 1L plastic and we have the option of preserving an aliquot with sodium hydroxide and running the analysis. The data will not be flagged, but this will be mentioned in the case narrative. Again, I apologize for my oversite. **Please confirm if you would like us to proceed with this.**

  Yes, please proceed with your suggestion. Thank you for finding a solution.

Let me know if you have any questions.

Thank you,

.**Zach Barker**
Project Manager
Enthalpy Analytical
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ENTHALPY ANALYTICAL

Analysis Results for 515273

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

Lab Job #: 515273
Location: Chiquita Canyon LF New Wells -
RM 22.1077.00113
Date Received: 09/03/24

Sample ID: DW-31 **Lab ID: 515273-001** **Collected: 09/03/24 12:48**
Matrix: Water

515273-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.20**		mg/L	0.20	0.081	1	349402	09/04/24 18:00	09/04/24 21:16	AJL
Chloride	**140**		mg/L	1.0	0.20	1	349402	09/04/24 18:00	09/04/24 21:16	AJL
Bromide	**0.59**		mg/L	0.30	0.077	1	349402	09/04/24 18:00	09/04/24 21:16	AJL
Nitrogen, Nitrate	**0.32**		mg/L	0.10	0.03	1	349402	09/04/24 18:00	09/04/24 21:16	AJL
Sulfate	**500**		mg/L	10	2.0	10	349402	09/04/24 18:00	09/04/24 21:33	AJL
Method: EPA 335.4 Prep Method: METHOD										
Cyanide	ND		mg/L	0.0050	0.0023	0.5	349476	09/05/24	09/05/24	DAD
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.047**	J	mg/L	0.10	0.033	1	350084	09/13/24	09/17/24	JAK
Method: EPA 410.4 Prep Method: METHOD										
Chemical Oxygen Demand	**39**		mg/L	4.0	1.6	1	350000	09/12/24	09/12/24	EPL
Method: EPA 6010B Prep Method: EPA 3015A										
Antimony	ND		mg/L	0.030	0.014	1	349489	09/06/24	09/06/24	CAP
Arsenic	ND		mg/L	0.010	0.0045	1	349489	09/06/24	09/06/24	CAP
Barium	**0.049**		mg/L	0.010	0.0029	1	349489	09/06/24	09/06/24	CAP
Beryllium	ND		mg/L	0.0050	0.00037	1	349489	09/06/24	09/06/24	CAP
Boron	**0.63**		mg/L	0.050	0.012	1	349489	09/06/24	09/09/24	CAP
Cadmium	ND		mg/L	0.0050	0.0011	1	349489	09/06/24	09/06/24	CAP
Calcium	**240**		mg/L	0.36	0.36	1	349489	09/06/24	09/06/24	CAP
Chromium	ND		mg/L	0.010	0.0028	1	349489	09/06/24	09/06/24	CAP
Cobalt	**0.0074**		mg/L	0.0050	0.00079	1	349489	09/06/24	09/09/24	CAP
Copper	ND		mg/L	0.010	0.0050	1	349489	09/06/24	09/09/24	CAP
Iron	**0.93**		mg/L	0.030	0.030	1	349489	09/06/24	09/06/24	CAP
Lead	ND		mg/L	0.010	0.0030	1	349489	09/06/24	09/06/24	CAP
Magnesium	**45**		mg/L	0.10	0.047	1	349489	09/06/24	09/06/24	CAP
Manganese	**1.2**		mg/L	0.010	0.0021	1	349489	09/06/24	09/06/24	CAP
Nickel	**0.013**		mg/L	0.010	0.0032	1	349489	09/06/24	09/06/24	CAP
Potassium	**2.2**		mg/L	0.53	0.53	1	349489	09/06/24	09/06/24	CAP
Selenium	ND		mg/L	0.030	0.0082	1	349489	09/06/24	09/06/24	CAP
Silver	ND		mg/L	0.0050	0.0013	1	349489	09/06/24	09/06/24	CAP
Sodium	**160**		mg/L	0.50	0.33	1	349489	09/06/24	09/06/24	CAP

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

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Analysis Results for 515273

515273-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Tin	ND		mg/L	0.020	0.010	1	349489	09/06/24	09/06/24	CAP
Titanium	**0.022**		mg/L	0.010	0.0021	1	349489	09/06/24	09/06/24	CAP
Vanadium	**0.0027**	J	mg/L	0.010	0.0013	1	349489	09/06/24	09/06/24	CAP
Zinc	ND		mg/L	0.050	0.012	1	349489	09/06/24	09/06/24	CAP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.18	1	349564	09/06/24	09/06/24	MLL
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
beta-BHC	ND		ug/L	0.05	0.03	0.95	349611	09/07/24	09/07/24	MES
gamma-BHC	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
delta-BHC	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Heptachlor	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Aldrin	ND		ug/L	0.05	0.03	0.95	349611	09/07/24	09/07/24	MES
Heptachlor epoxide	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Endosulfan I	ND		ug/L	0.05	0.02	0.95	349611	09/07/24	09/07/24	MES
Dieldrin	ND		ug/L	0.1	0.02	0.95	349611	09/07/24	09/07/24	MES
4,4'-DDE	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
Endrin	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
Endosulfan II	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
Endosulfan sulfate	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
4,4'-DDD	ND		ug/L	0.1	0.02	0.95	349611	09/07/24	09/07/24	MES
Endrin aldehyde	ND		ug/L	0.1	0.04	0.95	349611	09/07/24	09/07/24	MES
Endrin ketone	ND		ug/L	0.1	0.03	0.95	349611	09/07/24	09/07/24	MES
4,4'-DDT	ND		ug/L	0.1	0.04	0.95	349611	09/07/24	09/07/24	MES
Methoxychlor	ND		ug/L	0.1	0.05	0.95	349611	09/07/24	09/07/24	MES
Toxaphene	ND		ug/L	1.9	0.3	0.95	349611	09/07/24	09/07/24	MES
Chlordane (Technical)	ND		ug/L	1.0	0.1	0.95	349611	09/07/24	09/07/24	MES
Surrogates				**Limits**						
TCMX	84%		%REC	14-120		0.95	349611	09/07/24	09/07/24	MES
Decachlorobiphenyl	79%		%REC	20-120		0.95	349611	09/07/24	09/07/24	MES
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.48	0.12	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1221	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1232	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1242	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1248	ND		ug/L	0.48	0.017	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1254	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1260	ND		ug/L	0.48	0.096	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1262	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Aroclor-1268	ND		ug/L	0.48	0.095	0.95	349611	09/07/24	09/07/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	79%		%REC	18-126		0.95	349611	09/07/24	09/07/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Carbon Disulfide	ND		ug/L	5.0	0.6	1	349416	09/05/24	09/05/24	LYZ
Chloroprene	ND		ug/L	200	0.6	1	349416	09/05/24	09/05/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Ethyl methacrylate	ND		ug/L	50	1.9	1	349416	09/05/24	09/05/24	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
2-Hexanone	ND		ug/L	5.0	1.2	1	349416	09/05/24	09/05/24	LYZ
Iodomethane	ND		ug/L	20	1.0	1	349416	09/05/24	09/05/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.1	1	349416	09/05/24	09/05/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.6	1	349416	09/05/24	09/05/24	LYZ
Vinyl Acetate	ND		ug/L	50	2.0	1	349416	09/05/24	09/05/24	LYZ
Acrolein	ND		ug/L	200	2.1	1	349416	09/05/24	09/05/24	LYZ
Acrylonitrile	ND		ug/L	10	0.9	1	349416	09/05/24	09/05/24	LYZ
Freon 12	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Chloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Acetone	ND		ug/L	100	44	1	349416	09/05/24	09/05/24	LYZ
Freon 113	ND		ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Methylene Chloride	ND		ug/L	5.0	3.7	1	349416	09/05/24	09/05/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
2-Butanone	ND		ug/L	100	2.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chloroform	ND		ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Benzene	ND		ug/L	1.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Toluene	**0.4**	J	ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349416	09/05/24	09/05/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Styrene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Naphthalene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349416	09/05/24	09/05/24	LYZ
TIC:2-methylacetonitrile	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane-d4	95%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Toluene-d8	93%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Bromofluorobenzene	92%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3535										
1,4-Dioxane	**3.7**		ug/L	1.0	0.45	1	349487	09/05/24	09/06/24	TJW
Surrogates				**Limits**						
1,4-Dioxane-d8 (SUR)	99%		%REC	80-120		1	349487	09/05/24	09/06/24	TJW
Method: EPA 8270C Prep Method: EPA 3510C										
Carbazole	ND		ug/L	9.5	1.4	0.95	349474	09/05/24	09/06/24	ZFA
Pyridine	ND		ug/L	9.5	1.6	0.95	349474	09/05/24	09/06/24	ZFA
N-Nitrosodimethylamine	ND		ug/L	9.5	1.4	0.95	349474	09/05/24	09/06/24	ZFA
Phenol	ND		ug/L	9.5	0.74	0.95	349474	09/05/24	09/06/24	ZFA
Aniline	ND		ug/L	9.5	1.6	0.95	349474	09/05/24	09/06/24	ZFA
bis(2-Chloroethyl)ether	ND		ug/L	24	1.1	0.95	349474	09/05/24	09/06/24	ZFA
2-Chlorophenol	ND		ug/L	9.5	1.4	0.95	349474	09/05/24	09/06/24	ZFA
1,3-Dichlorobenzene	ND		ug/L	9.5	1.1	0.95	349474	09/05/24	09/06/24	ZFA
1,4-Dichlorobenzene	ND		ug/L	9.5	1.1	0.95	349474	09/05/24	09/06/24	ZFA
Benzyl alcohol	ND		ug/L	9.5	1.9	0.95	349474	09/05/24	09/06/24	ZFA
1,2-Dichlorobenzene	ND		ug/L	9.5	1.0	0.95	349474	09/05/24	09/06/24	ZFA
2-Methylphenol	ND		ug/L	9.5	1.3	0.95	349474	09/05/24	09/06/24	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/L	9.5	1.2	0.95	349474	09/05/24	09/06/24	ZFA
3-,4-Methylphenol	ND		ug/L	9.5	1.2	0.95	349474	09/05/24	09/06/24	ZFA
N-Nitroso-di-n-propylamine	ND		ug/L	9.5	1.4	0.95	349474	09/05/24	09/06/24	ZFA

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Hexachloroethane	ND		ug/L	9.5	1.3	0.95	349474	09/05/24	09/06/24	ZFA
Nitrobenzene	ND		ug/L	24	1.2	0.95	349474	09/05/24	09/06/24	ZFA
Isophorone	ND		ug/L	9.5	2.1	0.95	349474	09/05/24	09/06/24	ZFA
2-Nitrophenol	ND		ug/L	9.5	2.1	0.95	349474	09/05/24	09/06/24	ZFA
2,4-Dimethylphenol	ND		ug/L	9.5	1.7	0.95	349474	09/05/24	09/06/24	ZFA
Benzoic acid	ND		ug/L	48	6.0	0.95	349474	09/05/24	09/06/24	ZFA
bis(2-Chloroethoxy)methane	ND		ug/L	9.5	1.4	0.95	349474	09/05/24	09/06/24	ZFA
2,4-Dichlorophenol	ND		ug/L	9.5	2.1	0.95	349474	09/05/24	09/06/24	ZFA
1,2,4-Trichlorobenzene	ND		ug/L	9.5	1.0	0.95	349474	09/05/24	09/06/24	ZFA
Naphthalene	ND		ug/L	9.5	1.1	0.95	349474	09/05/24	09/06/24	ZFA
4-Chloroaniline	ND		ug/L	9.5	1.6	0.95	349474	09/05/24	09/06/24	ZFA
Hexachlorobutadiene	ND		ug/L	9.5	1.0	0.95	349474	09/05/24	09/06/24	ZFA
4-Chloro-3-methylphenol	ND		ug/L	9.5	2.0	0.95	349474	09/05/24	09/06/24	ZFA
2-Methylnaphthalene	ND		ug/L	9.5	0.83	0.95	349474	09/05/24	09/06/24	ZFA
Hexachlorocyclopentadiene	ND		ug/L	24	8.4	0.95	349474	09/05/24	09/06/24	ZFA
2,4,6-Trichlorophenol	ND		ug/L	9.5	2.3	0.95	349474	09/05/24	09/06/24	ZFA
2,4,5-Trichlorophenol	ND		ug/L	9.5	2.5	0.95	349474	09/05/24	09/06/24	ZFA
2-Chloronaphthalene	ND		ug/L	9.5	0.81	0.95	349474	09/05/24	09/06/24	ZFA
2-Nitroaniline	ND		ug/L	48	1.8	0.95	349474	09/05/24	09/06/24	ZFA
Dimethylphthalate	ND		ug/L	9.5	1.6	0.95	349474	09/05/24	09/06/24	ZFA
Acenaphthylene	ND		ug/L	9.5	1.0	0.95	349474	09/05/24	09/06/24	ZFA
2,6-Dinitrotoluene	ND		ug/L	9.5	1.5	0.95	349474	09/05/24	09/06/24	ZFA
3-Nitroaniline	ND		ug/L	9.5	2.2	0.95	349474	09/05/24	09/06/24	ZFA
Acenaphthene	ND		ug/L	9.5	0.82	0.95	349474	09/05/24	09/06/24	ZFA
2,4-Dinitrophenol	ND		ug/L	48	9.4	0.95	349474	09/05/24	09/06/24	ZFA
4-Nitrophenol	ND		ug/L	9.5	2.1	0.95	349474	09/05/24	09/06/24	ZFA
Dibenzofuran	ND		ug/L	9.5	0.84	0.95	349474	09/05/24	09/06/24	ZFA
2,4-Dinitrotoluene	ND		ug/L	9.5	1.5	0.95	349474	09/05/24	09/06/24	ZFA
Diethylphthalate	ND		ug/L	9.5	1.5	0.95	349474	09/05/24	09/06/24	ZFA
Fluorene	ND		ug/L	9.5	0.88	0.95	349474	09/05/24	09/06/24	ZFA
4-Chlorophenyl-phenylether	ND		ug/L	9.5	0.80	0.95	349474	09/05/24	09/06/24	ZFA
4-Nitroaniline	ND		ug/L	9.5	4.0	0.95	349474	09/05/24	09/06/24	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/L	48	2.4	0.95	349474	09/05/24	09/06/24	ZFA
N-Nitrosodiphenylamine	ND		ug/L	9.5	2.2	0.95	349474	09/05/24	09/06/24	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.5	1.0	0.95	349474	09/05/24	09/06/24	ZFA
4-Bromophenyl-phenylether	ND		ug/L	9.5	1.0	0.95	349474	09/05/24	09/06/24	ZFA
Hexachlorobenzene	ND		ug/L	9.5	1.2	0.95	349474	09/05/24	09/06/24	ZFA
Pentachlorophenol	ND		ug/L	24	9.7	0.95	349474	09/05/24	09/06/24	ZFA
Phenanthrene	ND		ug/L	9.5	0.94	0.95	349474	09/05/24	09/06/24	ZFA
Anthracene	ND		ug/L	9.5	1.0	0.95	349474	09/05/24	09/06/24	ZFA
Di-n-butylphthalate	ND		ug/L	9.5	1.8	0.95	349474	09/05/24	09/06/24	ZFA
Fluoranthene	ND		ug/L	9.5	1.1	0.95	349474	09/05/24	09/06/24	ZFA
Benzidine	ND		ug/L	48	7.3	0.95	349474	09/05/24	09/06/24	ZFA
Pyrene	ND		ug/L	9.5	1.2	0.95	349474	09/05/24	09/06/24	ZFA
Butylbenzylphthalate	ND		ug/L	9.5	2.5	0.95	349474	09/05/24	09/06/24	ZFA
3,3'-Dichlorobenzidine	ND		ug/L	24	6.9	0.95	349474	09/05/24	09/06/24	ZFA
Benzo(a)anthracene	ND		ug/L	9.5	1.3	0.95	349474	09/05/24	09/06/24	ZFA
Chrysene	ND		ug/L	9.5	1.3	0.95	349474	09/05/24	09/06/24	ZFA
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.5	2.6	0.95	349474	09/05/24	09/06/24	ZFA
Di-n-octylphthalate	ND		ug/L	9.5	5.6	0.95	349474	09/05/24	09/06/24	ZFA
Benzo(b)fluoranthene	ND		ug/L	9.5	1.8	0.95	349474	09/05/24	09/06/24	ZFA

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzo(k)fluoranthene	ND		ug/L	9.5	2.5	0.95	349474	09/05/24	09/06/24	ZFA
Benzo(a)pyrene	ND		ug/L	9.5	1.4	0.95	349474	09/05/24	09/06/24	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.5	4.9	0.95	349474	09/05/24	09/06/24	ZFA
Dibenz(a,h)anthracene	ND		ug/L	9.5	4.0	0.95	349474	09/05/24	09/06/24	ZFA
Benzo(g,h,i)perylene	ND		ug/L	9.5	1.5	0.95	349474	09/05/24	09/06/24	ZFA
TIC:1,2,4,5-Tetrachlorobenzene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:1,3,5-Trinitrobenzene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:1,4-Naphthoquinone	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:1,4-Phenylenediamine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:1-Naphthylamine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:2,2'oxybis(1-chloropropane)	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:2,3,4,6-Tetrachlorophenol	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:2,6-Dichlorophenol	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:2-Acetylaminofluorene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:2-Naphthylamine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:3-Methylcholanthrene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:4-Aminobiphenyl	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:5-Nitro-o-toluidine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Acetophenone	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Ethyl methanesulfonate	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Famphur	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Hexachloropropene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Isosafrole	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Methapyrilene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Methyl methanesulfonate	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:N-Nitrosodi-n-butylamine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:N-Nitrosodiethylamine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:N-Nitrosomethylethylamine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:N-Nitrosopiperidine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:N-Nitrosopyrrolidine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Pentachlorobenzene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Pentachloronitrobenzene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Phenacetin	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Propyzamide	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Safrole	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:Thionazin	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:a,a-Dimethylphenethylamine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:dimethylaminoazobenzene	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:o,o,o-Triethyl phosphorothioate	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
TIC:o-Toluidine	ND		ug/L			0.95	349474	09/05/24	09/06/24	ZFA
Surrogates				**Limits**						
2-Fluorophenol	58%		%REC	10-140		0.95	349474	09/05/24	09/06/24	ZFA
Phenol-d6	43%		%REC	10-140		0.95	349474	09/05/24	09/06/24	ZFA
2,4,6-Tribromophenol	130%		%REC	12-140		0.95	349474	09/05/24	09/06/24	ZFA
Nitrobenzene-d5	98%		%REC	10-140		0.95	349474	09/05/24	09/06/24	ZFA
2-Fluorobiphenyl	94%		%REC	11-140		0.95	349474	09/05/24	09/06/24	ZFA
Terphenyl-d14	138%		%REC	20-140		0.95	349474	09/05/24	09/06/24	ZFA
Method: SM 4500-H+ B										
pH	**6.80**	H	SU			1	349991	09/12/24 11:33	09/12/24 11:33	ARM

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Temperature	**18.10**	H	deg C	1.00		1	349991	09/12/24 11:33	09/12/24 11:33	ARM
Method: SM 4500-S2-D Prep Method: METHOD										
Sulfide	ND		mg/L	0.10		1	349463	09/05/24	09/05/24	EPL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	349543	09/06/24	09/07/24	DXA

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

Sample ID: QCTB	Lab ID: 515273-002	Collected: 09/03/24
	Matrix: Water	

515273-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
TIC:2-methylacetonitrile	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
Carbon Disulfide	ND		ug/L	5.0	0.6	1	349416	09/05/24	09/05/24	LYZ
Chloroprene	ND		ug/L	200	0.6	1	349416	09/05/24	09/05/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Ethyl methacrylate	ND		ug/L	50	1.9	1	349416	09/05/24	09/05/24	LYZ
2-Hexanone	ND		ug/L	5.0	1.2	1	349416	09/05/24	09/05/24	LYZ
Iodomethane	ND		ug/L	20	1.0	1	349416	09/05/24	09/05/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.1	1	349416	09/05/24	09/05/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.6	1	349416	09/05/24	09/05/24	LYZ
Vinyl Acetate	ND		ug/L	50	2.0	1	349416	09/05/24	09/05/24	LYZ
Acrolein	ND		ug/L	200	2.1	1	349416	09/05/24	09/05/24	LYZ
Acrylonitrile	ND		ug/L	10	0.9	1	349416	09/05/24	09/05/24	LYZ
Freon 12	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Chloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Acetone	ND		ug/L	100	44	1	349416	09/05/24	09/05/24	LYZ
Freon 113	ND		ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Methylene Chloride	ND		ug/L	5.0	3.7	1	349416	09/05/24	09/05/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
2-Butanone	ND		ug/L	100	2.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chloroform	**0.6**	J	ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Benzene	ND		ug/L	1.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349416	09/05/24	09/05/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Styrene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Naphthalene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349416	09/05/24	09/05/24	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	110%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane-d4	96%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Toluene-d8	91%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Bromofluorobenzene	93%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

Sample ID: QCFB	Lab ID: 515273-003	Collected: 09/03/24
	Matrix: Water	

515273-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
TIC:2-methylacetonitrile	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
Carbon Disulfide	ND		ug/L	5.0	0.6	1	349416	09/05/24	09/05/24	LYZ
Chloroprene	ND		ug/L	200	0.6	1	349416	09/05/24	09/05/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Ethyl methacrylate	ND		ug/L	50	1.9	1	349416	09/05/24	09/05/24	LYZ
2-Hexanone	ND		ug/L	5.0	1.2	1	349416	09/05/24	09/05/24	LYZ
Iodomethane	ND		ug/L	20	1.0	1	349416	09/05/24	09/05/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.1	1	349416	09/05/24	09/05/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.6	1	349416	09/05/24	09/05/24	LYZ
Vinyl Acetate	ND		ug/L	50	2.0	1	349416	09/05/24	09/05/24	LYZ
Acrolein	ND		ug/L	200	2.1	1	349416	09/05/24	09/05/24	LYZ
Acrylonitrile	ND		ug/L	10	0.9	1	349416	09/05/24	09/05/24	LYZ
Freon 12	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Chloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Acetone	ND		ug/L	100	44	1	349416	09/05/24	09/05/24	LYZ
Freon 113	ND		ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Methylene Chloride	ND		ug/L	5.0	3.7	1	349416	09/05/24	09/05/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
2-Butanone	**3.1**	J	ug/L	100	2.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chloroform	ND		ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Benzene	ND		ug/L	1.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349416	09/05/24	09/05/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Styrene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Naphthalene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349416	09/05/24	09/05/24	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane-d4	97%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Toluene-d8	93%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Bromofluorobenzene	93%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

Sample ID: QCEB	Lab ID: 515273-004	Collected: 09/03/24
	Matrix: Water	

515273-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
TIC:2-methylacetonitrile	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
TIC:Isobutanol	ND		ug/L			1	349416	09/05/24	09/05/24	LYZ
Carbon Disulfide	ND		ug/L	5.0	0.6	1	349416	09/05/24	09/05/24	LYZ
Chloroprene	ND		ug/L	200	0.6	1	349416	09/05/24	09/05/24	LYZ
3-Chloropropene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Ethyl methacrylate	ND		ug/L	50	1.9	1	349416	09/05/24	09/05/24	LYZ
2-Hexanone	ND		ug/L	5.0	1.2	1	349416	09/05/24	09/05/24	LYZ
Iodomethane	ND		ug/L	20	1.0	1	349416	09/05/24	09/05/24	LYZ
Methyl acrylonitrile	ND		ug/L	35	2.1	1	349416	09/05/24	09/05/24	LYZ
Methyl methacrylate	ND		ug/L	5.0	1.6	1	349416	09/05/24	09/05/24	LYZ
Vinyl Acetate	ND		ug/L	50	2.0	1	349416	09/05/24	09/05/24	LYZ
Acrolein	ND		ug/L	200	2.1	1	349416	09/05/24	09/05/24	LYZ
Acrylonitrile	ND		ug/L	10	0.9	1	349416	09/05/24	09/05/24	LYZ
Freon 12	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Chloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Vinyl Chloride	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromomethane	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
Chloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Acetone	ND		ug/L	100	44	1	349416	09/05/24	09/05/24	LYZ
Freon 113	ND		ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Methylene Chloride	ND		ug/L	5.0	3.7	1	349416	09/05/24	09/05/24	LYZ
MTBE	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
2-Butanone	**3.4**	J	ug/L	100	2.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2,2-Dichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chloroform	ND		ug/L	5.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Bromochloromethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Carbon Tetrachloride	ND		ug/L	5.0	0.05	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Benzene	ND		ug/L	1.0	0.08	1	349416	09/05/24	09/05/24	LYZ
Trichloroethene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromodichloromethane	ND		ug/L	5.0	0.06	1	349416	09/05/24	09/05/24	LYZ
Dibromomethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	1	349416	09/05/24	09/05/24	LYZ
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Toluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 515273

515273-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichloropropane	ND		ug/L	5.0	0.09	1	349416	09/05/24	09/05/24	LYZ
Tetrachloroethene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Dibromochloromethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromoethane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Chlorobenzene	ND		ug/L	5.0	0.3	1	349416	09/05/24	09/05/24	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	1	349416	09/05/24	09/05/24	LYZ
Ethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
m,p-Xylenes	ND		ug/L	10	0.2	1	349416	09/05/24	09/05/24	LYZ
o-Xylene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Styrene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Bromoform	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Isopropylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Propylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Bromobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
2-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
n-Butylbenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	1	349416	09/05/24	09/05/24	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
Hexachlorobutadiene	ND		ug/L	5.0	0.1	1	349416	09/05/24	09/05/24	LYZ
Naphthalene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	349416	09/05/24	09/05/24	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	1	349416	09/05/24	09/05/24	LYZ
Xylene (total)	ND		ug/L	5.0		1	349416	09/05/24	09/05/24	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	108%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
1,2-Dichloroethane-d4	95%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Toluene-d8	93%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ
Bromofluorobenzene	93%		%REC	70-130		1	349416	09/05/24	09/05/24	LYZ

H Holding time was exceeded
J Estimated value
ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1183625**	**Batch:**	**349402**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1183625 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.081	09/04/24 18:00	09/04/24 19:52
Chloride	ND		mg/L	1.0	0.20	09/04/24 18:00	09/04/24 19:52
Bromide	ND		mg/L	0.30	0.077	09/04/24 18:00	09/04/24 19:52
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	09/04/24 18:00	09/04/24 19:52
Sulfate	ND		mg/L	1.0	0.20	09/04/24 18:00	09/04/24 19:52

Type:	**Lab Control Sample**	**Lab ID:**	**QC1183626**	**Batch:**	**349402**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1183626 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	10.77	10.00	mg/L	108%		90-110
Chloride	49.19	50.00	mg/L	98%		90-110
Bromide	14.90	15.00	mg/L	99%		90-110
Nitrogen, Nitrate	4.472	4.518	mg/L	99%		90-110
Sulfate	24.73	25.00	mg/L	99%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1183627**	**Batch:**	**349402**
Matrix (Source ID):	**Drinking Water (515351-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1183627 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	20.56	0.7221	20.00	mg/L	99%		80-120	1
Chloride	224.2	138.7	100.0	mg/L	85%	E	80-120	1
Bromide	15.62	0.7656	15.00	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.006	ND	9.036	mg/L	100%		80-120	1
Sulfate	53.35	3.744	50.00	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1183628**	**Batch:**	**349402**
Matrix (Source ID):	**Drinking Water (515351-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1183628 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	20.65	0.7221	20.00	mg/L	100%		80-120	0	20	1
Chloride	224.8	138.7	100.0	mg/L	86%	E	80-120		20	1
Bromide	15.61	0.7656	15.00	mg/L	99%		80-120	0	20	1
Nitrogen, Nitrate	9.020	ND	9.036	mg/L	100%		80-120	0	20	1
Sulfate	53.31	3.744	50.00	mg/L	99%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC1183852**	**Batch:**	**349476**
Matrix:	**Water**	**Method:**	**EPA 335.4**	**Prep Method:**	**METHOD**

QC1183852 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.0050	0.0023	09/05/24	09/05/24

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1183853	Batch: 349476
Matrix: Water	Method: EPA 335.4	Prep Method: METHOD

QC1183853 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.09622	0.1000	mg/L	96%		90-110

Type: Matrix Spike	Lab ID: QC1183854	Batch: 349476
Matrix (Source ID): Water (515258-001)	Method: EPA 335.4	Prep Method: METHOD

QC1183854 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.07770	ND	0.1000	mg/L	78%	*	90-110	0.5

Type: Matrix Spike Duplicate	Lab ID: QC1183855	Batch: 349476
Matrix (Source ID): Water (515258-001)	Method: EPA 335.4	Prep Method: METHOD

QC1183855 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.07533	ND	0.1000	mg/L	75%	*	90-110	3	20	0.5

Type: Blank	Lab ID: QC1185859	Batch: 350084
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1185859 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.033	09/13/24	09/17/24

Type: Lab Control Sample	Lab ID: QC1185860	Batch: 350084
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC1185860 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	0.9205	1.000	mg/L	92%		80-120

Type: Matrix Spike	Lab ID: QC1185861	Batch: 350084
Matrix (Source ID): Water (515575-001)	Method: EPA 350.1	Prep Method: METHOD

QC1185861 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	1.044	ND	1.000	mg/L	104%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1185862	Batch: 350084
Matrix (Source ID): Water (515575-001)	Method: EPA 350.1	Prep Method: METHOD

QC1185862 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	1.028	ND	1.000	mg/L	103%		80-120	2	20	1

ENTHALPY ANALYTICAL

Batch QC

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

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

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

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

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

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

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

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

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

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

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

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1183898**	**Batch: 349489**
Matrix: Water	**Method: EPA 6010B**	**Prep Method: EPA 3015A**

QC1183898 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	0.014	09/06/24	09/06/24
Arsenic	ND		mg/L	0.010	0.0045	09/06/24	09/06/24
Barium	ND		mg/L	0.010	0.0029	09/06/24	09/06/24
Beryllium	ND		mg/L	0.0050	0.00037	09/06/24	09/06/24
Boron	ND		mg/L	0.050	0.012	09/06/24	09/06/24
Cadmium	ND		mg/L	0.0050	0.0011	09/06/24	09/06/24
Calcium	ND		mg/L	0.36	0.36	09/06/24	09/06/24
Chromium	ND		mg/L	0.010	0.0028	09/06/24	09/06/24
Cobalt	ND		mg/L	0.0050	0.00079	09/06/24	09/09/24
Copper	ND		mg/L	0.010	0.0050	09/06/24	09/06/24
Iron	ND		mg/L	0.030	0.030	09/06/24	09/06/24
Lead	ND		mg/L	0.010	0.0030	09/06/24	09/06/24
Magnesium	ND		mg/L	0.10	0.047	09/06/24	09/06/24
Manganese	ND		mg/L	0.010	0.0021	09/06/24	09/06/24
Nickel	ND		mg/L	0.010	0.0032	09/06/24	09/06/24
Potassium	ND		mg/L	0.53	0.53	09/06/24	09/06/24
Selenium	ND		mg/L	0.030	0.0082	09/06/24	09/06/24
Silver	ND		mg/L	0.0050	0.0013	09/06/24	09/06/24
Sodium	ND		mg/L	0.50	0.33	09/06/24	09/06/24
Tin	ND		mg/L	0.020	0.010	09/06/24	09/06/24
Titanium	ND		mg/L	0.010	0.0021	09/06/24	09/06/24
Vanadium	ND		mg/L	0.010	0.0013	09/06/24	09/06/24
Zinc	ND		mg/L	0.050	0.012	09/06/24	09/06/24

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1183899**	**Batch:**	**349489**
Matrix:	**Water**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1183899 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.3806	0.4000	mg/L	95%		80-120
Arsenic	0.3762	0.4000	mg/L	94%		80-120
Barium	0.3874	0.4000	mg/L	97%		80-120
Beryllium	0.3694	0.4000	mg/L	92%		80-120
Boron	0.3735	0.4000	mg/L	93%		80-120
Cadmium	0.3806	0.4000	mg/L	95%		80-120
Calcium	19.26	20.40	mg/L	94%		80-120
Chromium	0.3703	0.4000	mg/L	93%		80-120
Cobalt	0.3849	0.4000	mg/L	96%		80-120
Copper	0.3569	0.4000	mg/L	89%		80-120
Iron	0.3761	0.4000	mg/L	94%		80-120
Lead	0.3801	0.4000	mg/L	95%		80-120
Magnesium	19.22	20.40	mg/L	94%		80-120
Manganese	0.3732	0.4000	mg/L	93%		80-120
Nickel	0.3752	0.4000	mg/L	94%		80-120
Potassium	21.61	24.00	mg/L	90%		80-120
Selenium	0.3658	0.4000	mg/L	91%		80-120
Silver	0.1808	0.2000	mg/L	90%		80-120
Sodium	18.95	20.40	mg/L	93%		80-120
Tin	4.778	5.000	mg/L	96%		80-120
Titanium	0.3758	0.4000	mg/L	94%		80-120
Vanadium	0.3800	0.4000	mg/L	95%		80-120
Zinc	0.3767	0.4000	mg/L	94%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1183900**	**Batch:**	**349489**
Matrix (Source ID):	**Water (515387-003)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3015A**

QC1183900 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.3846	ND	0.4000	mg/L	96%		75-125	1
Arsenic	0.3820	ND	0.4000	mg/L	95%		75-125	1
Barium	0.4846	0.1085	0.4000	mg/L	94%		75-125	1
Beryllium	0.3587	ND	0.4000	mg/L	90%		75-125	1
Boron	1.181	0.8320	0.4000	mg/L	87%		75-125	1
Cadmium	0.3668	ND	0.4000	mg/L	92%		75-125	1
Calcium	184.0	167.4	20.40	mg/L	82%	NM	75-125	1
Chromium	0.3625	ND	0.4000	mg/L	91%		75-125	1
Cobalt	0.3678	0.002758	0.4000	mg/L	91%		75-125	1
Copper	0.3864	ND	0.4000	mg/L	97%		75-125	1
Iron	1.485	0.9377	0.4000	mg/L	137%	*	75-125	1
Lead	0.3662	ND	0.4000	mg/L	92%		75-125	1
Magnesium	121.7	103.7	20.40	mg/L	88%	NM	75-125	1
Manganese	1.276	0.9220	0.4000	mg/L	89%		75-125	1
Nickel	0.3688	0.003564	0.4000	mg/L	91%		75-125	1
Potassium	48.71	26.30	24.00	mg/L	93%		75-125	1
Selenium	0.3677	ND	0.4000	mg/L	92%		75-125	1
Silver	0.1900	ND	0.2000	mg/L	95%		75-125	1
Sodium	635.7	623.3	20.40	mg/L	61%	NM	75-125	1
Tin	4.729	ND	5.000	mg/L	95%		75-125	1
Titanium	0.4392	0.05072	0.4000	mg/L	97%		75-125	1
Vanadium	0.3944	0.01464	0.4000	mg/L	95%		75-125	1
Zinc	0.3664	ND	0.4000	mg/L	92%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1183901	Batch:	349489
Matrix (Source ID):	Water (515387-003)	Method:	EPA 6010B	Prep Method:	EPA 3015A

QC1183901 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.3890	ND	0.4000	mg/L	97%		75-125	1	20	1
Arsenic	0.3839	ND	0.4000	mg/L	96%		75-125	1	20	1
Barium	0.4877	0.1085	0.4000	mg/L	95%		75-125	1	20	1
Beryllium	0.3654	ND	0.4000	mg/L	91%		75-125	2	20	1
Boron	1.206	0.8320	0.4000	mg/L	93%		75-125	2	20	1
Cadmium	0.3664	ND	0.4000	mg/L	92%		75-125	0	20	1
Calcium	184.4	167.4	20.40	mg/L	83%	NM	75-125	0	20	1
Chromium	0.3626	ND	0.4000	mg/L	91%		75-125	0	20	1
Cobalt	0.3759	0.002758	0.4000	mg/L	93%		75-125	2	20	1
Copper	0.3956	ND	0.4000	mg/L	99%		75-125	2	20	1
Iron	1.490	0.9377	0.4000	mg/L	138%	*	75-125	0	20	1
Lead	0.3688	ND	0.4000	mg/L	92%		75-125	1	20	1
Magnesium	122.0	103.7	20.40	mg/L	90%	NM	75-125	0	20	1
Manganese	1.258	0.9220	0.4000	mg/L	84%		75-125	1	20	1
Nickel	0.3693	0.003564	0.4000	mg/L	91%		75-125	0	20	1
Potassium	48.76	26.30	24.00	mg/L	94%		75-125	0	20	1
Selenium	0.3701	ND	0.4000	mg/L	93%		75-125	1	20	1
Silver	0.1914	ND	0.2000	mg/L	96%		75-125	1	20	1
Sodium	635.3	623.3	20.40	mg/L	59%	NM	75-125	0	20	1
Tin	4.726	ND	5.000	mg/L	95%		75-125	0	20	1
Titanium	0.4399	0.05072	0.4000	mg/L	97%		75-125	0	20	1
Vanadium	0.3949	0.01464	0.4000	mg/L	95%		75-125	0	20	1
Zinc	0.3667	ND	0.4000	mg/L	92%		75-125	0	20	1

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

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

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

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

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

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

ENTHALPY ANALYTICAL

Batch QC

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

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

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

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

ENTHALPY ANALYTICAL

Batch QC

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

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

ENTHALPY ANALYTICAL

Batch QC

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

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

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

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

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

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

ENTHALPY ANALYTICAL

Batch QC

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

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

ENTHALPY ANALYTICAL

Batch QC

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

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

Type:	Lab Control Sample	Lab ID:	QC1183674	Batch:	349416
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1183674 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.65	50.00	ug/L	101%		70-135
MTBE	49.49	50.00	ug/L	99%		70-130
Benzene	51.15	50.00	ug/L	102%		70-130
Trichloroethene	51.12	50.00	ug/L	102%		70-130
Toluene	46.85	50.00	ug/L	94%		70-130
Chlorobenzene	51.40	50.00	ug/L	103%		70-130
Surrogates						
Dibromofluoromethane	53.43	50.00	ug/L	107%		70-130
1,2-Dichloroethane-d4	45.83	50.00	ug/L	92%		70-130
Toluene-d8	46.69	50.00	ug/L	93%		70-130
Bromofluorobenzene	45.77	50.00	ug/L	92%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1183675**	**Batch:**	**349416**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1183675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.94	50.00	ug/L	104%		70-135	3	30
MTBE	50.69	50.00	ug/L	101%		70-130	2	30
Benzene	52.83	50.00	ug/L	106%		70-130	3	30
Trichloroethene	53.39	50.00	ug/L	107%		70-130	4	30
Toluene	48.47	50.00	ug/L	97%		70-130	3	30
Chlorobenzene	53.48	50.00	ug/L	107%		70-130	4	30
Surrogates								
Dibromofluoromethane	52.37	50.00	ug/L	105%		70-130		
1,2-Dichloroethane-d4	44.41	50.00	ug/L	89%		70-130		
Toluene-d8	47.26	50.00	ug/L	95%		70-130		
Bromofluorobenzene	46.45	50.00	ug/L	93%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1183678	Batch: 349416
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1183678 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	09/05/24	09/05/24
TIC:2-methylacetonitrile	ND		ug/L			09/05/24	09/05/24
TIC:Isobutanol	ND		ug/L			09/05/24	09/05/24
Carbon Disulfide	ND		ug/L	5.0	0.6	09/05/24	09/05/24
Chloroprene	ND		ug/L	200	0.6	09/05/24	09/05/24
3-Chloropropene	ND		ug/L	5.0	0.4	09/05/24	09/05/24
Ethyl methacrylate	ND		ug/L	50	1.9	09/05/24	09/05/24
2-Hexanone	ND		ug/L	5.0	1.2	09/05/24	09/05/24
Iodomethane	ND		ug/L	20	1.0	09/05/24	09/05/24
Methyl acrylonitrile	ND		ug/L	35	2.1	09/05/24	09/05/24
Methyl methacrylate	ND		ug/L	5.0	1.6	09/05/24	09/05/24
Vinyl Acetate	ND		ug/L	50	2.0	09/05/24	09/05/24
Acrolein	ND		ug/L	200	2.1	09/05/24	09/05/24
Acrylonitrile	ND		ug/L	10	0.9	09/05/24	09/05/24
Freon 12	ND		ug/L	5.0	0.09	09/05/24	09/05/24
Chloromethane	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Vinyl Chloride	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Bromomethane	ND		ug/L	5.0	0.3	09/05/24	09/05/24
Chloroethane	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Trichlorofluoromethane	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Acetone	ND		ug/L	100	44	09/05/24	09/05/24
Freon 113	ND		ug/L	5.0	0.08	09/05/24	09/05/24
1,1-Dichloroethene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Methylene Chloride	ND		ug/L	5.0	3.7	09/05/24	09/05/24
MTBE	ND		ug/L	5.0	0.1	09/05/24	09/05/24
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.09	09/05/24	09/05/24
1,1-Dichloroethane	ND		ug/L	5.0	0.06	09/05/24	09/05/24
2-Butanone	ND		ug/L	100	2.3	09/05/24	09/05/24
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
2,2-Dichloropropane	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Chloroform	ND		ug/L	5.0	0.08	09/05/24	09/05/24
Bromochloromethane	ND		ug/L	5.0	0.2	09/05/24	09/05/24
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,1-Dichloropropene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Carbon Tetrachloride	ND		ug/L	5.0	0.05	09/05/24	09/05/24
1,2-Dichloroethane	ND		ug/L	5.0	0.06	09/05/24	09/05/24
Benzene	ND		ug/L	1.0	0.08	09/05/24	09/05/24
Trichloroethene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,2-Dichloropropane	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Bromodichloromethane	ND		ug/L	5.0	0.06	09/05/24	09/05/24
Dibromomethane	ND		ug/L	5.0	0.1	09/05/24	09/05/24
4-Methyl-2-Pentanone	ND		ug/L	5.0	1.3	09/05/24	09/05/24
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	09/05/24	09/05/24
Toluene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
1,1,2-Trichloroethane	ND		ug/L	5.0	0.2	09/05/24	09/05/24
1,3-Dichloropropane	ND		ug/L	5.0	0.09	09/05/24	09/05/24

ENTHALPY ANALYTICAL

Batch QC

QC1183678 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Tetrachloroethene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Dibromochloromethane	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,2-Dibromoethane	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Chlorobenzene	ND		ug/L	5.0	0.3	09/05/24	09/05/24
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.07	09/05/24	09/05/24
Ethylbenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
m,p-Xylenes	ND		ug/L	10	0.2	09/05/24	09/05/24
o-Xylene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Styrene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Bromoform	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Isopropylbenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,2,3-Trichloropropane	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Propylbenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Bromobenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
2-Chlorotoluene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
4-Chlorotoluene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
tert-Butylbenzene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
sec-Butylbenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
para-Isopropyl Toluene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
n-Butylbenzene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
1,2-Dichlorobenzene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.5	09/05/24	09/05/24
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
Hexachlorobutadiene	ND		ug/L	5.0	0.1	09/05/24	09/05/24
Naphthalene	ND		ug/L	5.0	0.4	09/05/24	09/05/24
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	09/05/24	09/05/24
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.4	09/05/24	09/05/24
Xylene (total)	ND		ug/L	5.0		09/05/24	09/05/24
Surrogates				**Limits**			
Dibromofluoromethane	105%		%REC	70-130		09/05/24	09/05/24
1,2-Dichloroethane-d4	91%		%REC	70-130		09/05/24	09/05/24
Toluene-d8	95%		%REC	70-130		09/05/24	09/05/24
Bromofluorobenzene	96%		%REC	70-130		09/05/24	09/05/24

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1183729	Batch:	349416
Matrix (Source ID):	Water (515372-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1183729 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	1,896	ND	2500	ug/L	76%		70-130	50
MTBE	1,975	9.142	2500	ug/L	79%		75-130	50
Benzene	2,518	635.1	2500	ug/L	75%		70-130	50
Trichloroethene	2,002	ND	2500	ug/L	80%		63-130	50
Toluene	1,878	57.17	2500	ug/L	73%		70-130	50
Chlorobenzene	2,028	ND	2500	ug/L	81%		70-130	50
Surrogates								
Dibromofluoromethane	2,663		2500	ug/L	107%		70-130	50
1,2-Dichloroethane-d4	2,217		2500	ug/L	89%		70-130	50
Toluene-d8	2,399		2500	ug/L	96%		70-130	50
Bromofluorobenzene	2,346		2500	ug/L	94%		70-130	50

Type:	Matrix Spike Duplicate	Lab ID:	QC1183730	Batch:	349416
Matrix (Source ID):	Water (515372-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1183730 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	2,028	ND	2500	ug/L	81%		70-130	7	30	50
MTBE	2,083	9.142	2500	ug/L	83%		75-130	5	30	50
Benzene	2,678	635.1	2500	ug/L	82%		70-130	6	30	50
Trichloroethene	2,109	ND	2500	ug/L	84%		63-130	5	30	50
Toluene	1,987	57.17	2500	ug/L	77%		70-130	6	30	50
Chlorobenzene	2,135	ND	2500	ug/L	85%		70-130	5	30	50
Surrogates										
Dibromofluoromethane	2,589		2500	ug/L	104%		70-130			50
1,2-Dichloroethane-d4	2,162		2500	ug/L	86%		70-130			50
Toluene-d8	2,386		2500	ug/L	95%		70-130			50
Bromofluorobenzene	2,384		2500	ug/L	95%		70-130			50

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1183843	Batch: 349474
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1183843 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Carbazole	ND		ug/L	10	1.4	09/05/24	09/06/24
Pyridine	ND		ug/L	10	1.7	09/05/24	09/06/24
N-Nitrosodimethylamine	ND		ug/L	10	1.4	09/05/24	09/06/24
Phenol	ND		ug/L	10	0.77	09/05/24	09/06/24
Aniline	ND		ug/L	10	1.7	09/05/24	09/06/24
bis(2-Chloroethyl)ether	ND		ug/L	25	1.2	09/05/24	09/06/24
2-Chlorophenol	ND		ug/L	10	1.4	09/05/24	09/06/24
1,3-Dichlorobenzene	ND		ug/L	10	1.2	09/05/24	09/06/24
1,4-Dichlorobenzene	ND		ug/L	10	1.2	09/05/24	09/06/24
Benzyl alcohol	ND		ug/L	10	2.0	09/05/24	09/06/24
1,2-Dichlorobenzene	ND		ug/L	10	1.1	09/05/24	09/06/24
2-Methylphenol	ND		ug/L	10	1.3	09/05/24	09/06/24
bis(2-Chloroisopropyl) ether	ND		ug/L	10	1.3	09/05/24	09/06/24
3-,4-Methylphenol	ND		ug/L	10	1.3	09/05/24	09/06/24
N-Nitroso-di-n-propylamine	ND		ug/L	10	1.5	09/05/24	09/06/24
Hexachloroethane	ND		ug/L	10	1.3	09/05/24	09/06/24
Nitrobenzene	ND		ug/L	25	1.2	09/05/24	09/06/24
Isophorone	ND		ug/L	10	2.2	09/05/24	09/06/24
2-Nitrophenol	ND		ug/L	10	2.2	09/05/24	09/06/24
2,4-Dimethylphenol	ND		ug/L	10	1.8	09/05/24	09/06/24
Benzoic acid	ND		ug/L	50	6.3	09/05/24	09/06/24
bis(2-Chloroethoxy)methane	ND		ug/L	10	1.5	09/05/24	09/06/24
2,4-Dichlorophenol	ND		ug/L	10	2.2	09/05/24	09/06/24
1,2,4-Trichlorobenzene	ND		ug/L	10	1.1	09/05/24	09/06/24
Naphthalene	ND		ug/L	10	1.1	09/05/24	09/06/24
4-Chloroaniline	ND		ug/L	10	1.7	09/05/24	09/06/24
Hexachlorobutadiene	ND		ug/L	10	1.1	09/05/24	09/06/24
4-Chloro-3-methylphenol	ND		ug/L	10	2.0	09/05/24	09/06/24
2-Methylnaphthalene	ND		ug/L	10	0.87	09/05/24	09/06/24
Hexachlorocyclopentadiene	ND		ug/L	25	8.8	09/05/24	09/06/24
2,4,6-Trichlorophenol	ND		ug/L	10	2.4	09/05/24	09/06/24
2,4,5-Trichlorophenol	ND		ug/L	10	2.7	09/05/24	09/06/24
2-Chloronaphthalene	ND		ug/L	10	0.85	09/05/24	09/06/24
2-Nitroaniline	ND		ug/L	50	1.9	09/05/24	09/06/24
Dimethylphthalate	ND		ug/L	10	1.7	09/05/24	09/06/24
Acenaphthylene	ND		ug/L	10	1.1	09/05/24	09/06/24
2,6-Dinitrotoluene	ND		ug/L	10	1.6	09/05/24	09/06/24
3-Nitroaniline	ND		ug/L	10	2.3	09/05/24	09/06/24
Acenaphthene	ND		ug/L	10	0.86	09/05/24	09/06/24
2,4-Dinitrophenol	ND		ug/L	50	9.9	09/05/24	09/06/24
4-Nitrophenol	ND		ug/L	10	2.2	09/05/24	09/06/24
Dibenzofuran	ND		ug/L	10	0.88	09/05/24	09/06/24
2,4-Dinitrotoluene	ND		ug/L	10	1.5	09/05/24	09/06/24
Diethylphthalate	ND		ug/L	10	1.6	09/05/24	09/06/24
Fluorene	ND		ug/L	10	0.92	09/05/24	09/06/24
4-Chlorophenyl-phenylether	ND		ug/L	10	0.84	09/05/24	09/06/24
4-Nitroaniline	ND		ug/L	10	4.2	09/05/24	09/06/24

ENTHALPY ANALYTICAL

Batch QC

QC1183843 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
4,6-Dinitro-2-methylphenol	ND		ug/L	50	2.5	09/05/24	09/06/24
N-Nitrosodiphenylamine	ND		ug/L	10	2.4	09/05/24	09/06/24
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	1.1	09/05/24	09/06/24
4-Bromophenyl-phenylether	ND		ug/L	10	1.1	09/05/24	09/06/24
Hexachlorobenzene	ND		ug/L	10	1.3	09/05/24	09/06/24
Pentachlorophenol	ND		ug/L	25	10	09/05/24	09/06/24
Phenanthrene	ND		ug/L	10	0.99	09/05/24	09/06/24
Anthracene	ND		ug/L	10	1.1	09/05/24	09/06/24
Di-n-butylphthalate	ND		ug/L	10	1.9	09/05/24	09/06/24
Fluoranthene	ND		ug/L	10	1.2	09/05/24	09/06/24
Benzidine	ND		ug/L	50	7.6	09/05/24	09/06/24
Pyrene	ND		ug/L	10	1.2	09/05/24	09/06/24
Butylbenzylphthalate	ND		ug/L	10	2.6	09/05/24	09/06/24
3,3'-Dichlorobenzidine	ND		ug/L	25	7.2	09/05/24	09/06/24
Benzo(a)anthracene	ND		ug/L	10	1.3	09/05/24	09/06/24
Chrysene	ND		ug/L	10	1.4	09/05/24	09/06/24
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	2.8	09/05/24	09/06/24
Di-n-octylphthalate	ND		ug/L	10	5.9	09/05/24	09/06/24
Benzo(b)fluoranthene	ND		ug/L	10	1.9	09/05/24	09/06/24
Benzo(k)fluoranthene	ND		ug/L	10	2.6	09/05/24	09/06/24
Benzo(a)pyrene	ND		ug/L	10	1.5	09/05/24	09/06/24
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	5.2	09/05/24	09/06/24
Dibenz(a,h)anthracene	ND		ug/L	10	4.2	09/05/24	09/06/24
Benzo(g,h,i)perylene	ND		ug/L	10	1.6	09/05/24	09/06/24
TIC:1,2,4,5-Tetrachlorobenzene	ND		ug/L			09/05/24	09/06/24
TIC:1,3,5-Trinitrobenzene	ND		ug/L			09/05/24	09/06/24
TIC:1,4-Naphthoquinone	ND		ug/L			09/05/24	09/06/24
TIC:1,4-Phenylenediamine	ND		ug/L			09/05/24	09/06/24
TIC:1-Naphthylamine	ND		ug/L			09/05/24	09/06/24
TIC:2,2'oxybis(1-chloropropane)	ND		ug/L			09/05/24	09/06/24
TIC:2,3,4,6-Tetrachlorophenol	ND		ug/L			09/05/24	09/06/24
TIC:2,6-Dichlorophenol	ND		ug/L			09/05/24	09/06/24
TIC:2-Acetylaminofluorene	ND		ug/L			09/05/24	09/06/24
TIC:2-Naphthylamine	ND		ug/L			09/05/24	09/06/24
TIC:3-Methylcholanthrene	ND		ug/L			09/05/24	09/06/24
TIC:4-Aminobiphenyl	ND		ug/L			09/05/24	09/06/24
TIC:5-Nitro-o-toluidine	ND		ug/L			09/05/24	09/06/24
TIC:7,12-Dimethylbenz[a]anthracene	ND		ug/L			09/05/24	09/06/24
TIC:Acetophenone	ND		ug/L			09/05/24	09/06/24
TIC:Ethyl methanesulfonate	ND		ug/L			09/05/24	09/06/24
TIC:Famphur	ND		ug/L			09/05/24	09/06/24
TIC:Hexachloropropene	ND		ug/L			09/05/24	09/06/24
TIC:Isosafrole	ND		ug/L			09/05/24	09/06/24
TIC:Methapyrilene	ND		ug/L			09/05/24	09/06/24
TIC:Methyl methanesulfonate	ND		ug/L			09/05/24	09/06/24
TIC:N-Nitrosodi-n-butylamine	ND		ug/L			09/05/24	09/06/24
TIC:N-Nitrosodiethylamine	ND		ug/L			09/05/24	09/06/24
TIC:N-Nitrosomethylethylamine	ND		ug/L			09/05/24	09/06/24
TIC:N-Nitrosopiperidine	ND		ug/L			09/05/24	09/06/24
TIC:N-Nitrosopyrrolidine	ND		ug/L			09/05/24	09/06/24
TIC:Pentachlorobenzene	ND		ug/L			09/05/24	09/06/24
TIC:Pentachloronitrobenzene	ND		ug/L			09/05/24	09/06/24

ENTHALPY ANALYTICAL

Batch QC

QC1183843 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TIC:Phenacetin	ND		ug/L			09/05/24	09/06/24
TIC:Propyzamide	ND		ug/L			09/05/24	09/06/24
TIC:Safrole	ND		ug/L			09/05/24	09/06/24
TIC:Thionazin	ND		ug/L			09/05/24	09/06/24
TIC:a,a-Dimethylphenethylamine	ND		ug/L			09/05/24	09/06/24
TIC:dimethylaminoazobenzene	ND		ug/L			09/05/24	09/06/24
TIC:o,o,o-Triethyl phosphorothioate	ND		ug/L			09/05/24	09/06/24
TIC:o-Toluidine	ND		ug/L			09/05/24	09/06/24
Surrogates				**Limits**			
2-Fluorophenol	57%		%REC	20-140		09/05/24	09/06/24
Phenol-d6	39%		%REC	20-140		09/05/24	09/06/24
2,4,6-Tribromophenol	89%		%REC	20-140		09/05/24	09/06/24
Nitrobenzene-d5	100%		%REC	20-140		09/05/24	09/06/24
2-Fluorobiphenyl	92%		%REC	20-140		09/05/24	09/06/24
Terphenyl-d14	113%		%REC	20-140		09/05/24	09/06/24

Type: Lab Control Sample **Lab ID:** QC1183844 **Batch:** 349474
Matrix: Water **Method:** EPA 8270C **Prep Method:** EPA 3510C

QC1183844 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	38.99	75.00	ug/L	52%		13-120
2-Chlorophenol	69.06	75.00	ug/L	92%		31-120
1,4-Dichlorobenzene	77.06	75.00	ug/L	103%		24-120
3-,4-Methylphenol	67.79	75.00	ug/L	90%		29-120
N-Nitroso-di-n-propylamine	78.19	75.00	ug/L	104%		32-120
2,4-Dimethylphenol	87.53	75.00	ug/L	117%		25-120
1,2,4-Trichlorobenzene	69.64	75.00	ug/L	93%		26-120
4-Chloro-3-methylphenol	77.84	75.00	ug/L	104%		39-120
2,4,5-Trichlorophenol	88.28	75.00	ug/L	118%		38-120
Acenaphthene	68.81	75.00	ug/L	92%		33-120
4-Nitrophenol	31.34	75.00	ug/L	42%		12-120
2,4-Dinitrotoluene	80.29	75.00	ug/L	107%		46-120
Pentachlorophenol	61.31	75.00	ug/L	82%		37-120
Pyrene	88.21	75.00	ug/L	118%		47-120
Chrysene	75.15	75.00	ug/L	100%		48-120
Benzo(b)fluoranthene	77.19	75.00	ug/L	103%		46-120
Surrogates						
2-Fluorophenol	27.31	40.00	ug/L	68%		20-140
Phenol-d6	19.06	40.00	ug/L	48%		20-140
2,4,6-Tribromophenol	43.18	40.00	ug/L	108%		20-140
Nitrobenzene-d5	44.96	40.00	ug/L	112%		20-140
2-Fluorobiphenyl	40.43	40.00	ug/L	101%		20-140
Terphenyl-d14	47.36	40.00	ug/L	118%		20-140

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1183845	Batch: 349474
Matrix: Water	Method: EPA 8270C	Prep Method: EPA 3510C

QC1183845 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Phenol	37.29	75.00	ug/L	50%		13-120	4	62
2-Chlorophenol	77.20	75.00	ug/L	103%		31-120	11	62
1,4-Dichlorobenzene	73.61	75.00	ug/L	98%		24-120	5	64
3-,4-Methylphenol	68.04	75.00	ug/L	91%		29-120	0	62
N-Nitroso-di-n-propylamine	83.61	75.00	ug/L	111%		32-120	7	65
2,4-Dimethylphenol	90.63	75.00	ug/L	121%	*	25-120	3	64
1,2,4-Trichlorobenzene	78.05	75.00	ug/L	104%		26-120	11	63
4-Chloro-3-methylphenol	87.13	75.00	ug/L	116%		39-120	11	58
2,4,5-Trichlorophenol	91.96	75.00	ug/L	123%	*	38-120	4	59
Acenaphthene	70.60	75.00	ug/L	94%		33-120	3	52
4-Nitrophenol	38.43	75.00	ug/L	51%		12-120	20	63
2,4-Dinitrotoluene	84.81	75.00	ug/L	113%		46-120	5	41
Pentachlorophenol	62.90	75.00	ug/L	84%		37-120	3	42
Pyrene	89.75	75.00	ug/L	120%		47-120	2	43
Chrysene	70.00	75.00	ug/L	93%		48-120	7	46
Benzo(b)fluoranthene	83.07	75.00	ug/L	111%		46-120	7	47
Surrogates								
2-Fluorophenol	27.29	40.00	ug/L	68%		20-140		
Phenol-d6	18.43	40.00	ug/L	46%		20-140		
2,4,6-Tribromophenol	44.96	40.00	ug/L	112%		20-140		
Nitrobenzene-d5	43.29	40.00	ug/L	108%		20-140		
2-Fluorobiphenyl	45.00	40.00	ug/L	112%		20-140		
Terphenyl-d14	46.92	40.00	ug/L	117%		20-140		

Type: Blank	Lab ID: QC1183888	Batch: 349487
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1183888 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,4-Dioxane	ND		ug/L	1.0	0.45	09/05/24	09/06/24
Surrogates				**Limits**			
1,4-Dioxane-d8 (SUR)	100%		%REC	80-120		09/05/24	09/06/24

Type: Lab Control Sample	Lab ID: QC1183889	Batch: 349487
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3535

QC1183889 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,4-Dioxane	8.098	10.00	ug/L	81%		80-120
Surrogates						
1,4-Dioxane-d8 (SUR)	9.861	10.00	ug/L	99%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1183890**	**Batch:**	**349487**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3535**

QC1183890 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,4-Dioxane	8.355	10.00	ug/L	84%		80-120	3	20
Surrogates								
1,4-Dioxane-d8 (SUR)	9.910	10.00	ug/L	99%		80-120		

Type:	**Sample Duplicate**	**Lab ID:**	**QC1185533**	**Batch:**	**349991**
Matrix (Source ID):	**Water (515273-001)**	**Method:**	**SM 4500-H+ B**		

QC1185533 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.850	6.800	SU		1	20	1
Temperature	17.80	18.10	deg C		2	20	1

Type:	**Blank**	**Lab ID:**	**QC1183796**	**Batch:**	**349463**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1183796 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfide	ND		mg/L	0.10		09/05/24	09/05/24

Type:	**Lab Control Sample**	**Lab ID:**	**QC1183797**	**Batch:**	**349463**
Matrix:	**Water**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1183797 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfide	1.000	1.000	mg/L	100%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC1183798**	**Batch:**	**349463**
Matrix (Source ID):	**Water (515067-001)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1183798 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:**	**QC1183799**	**Batch:**	**349463**
Matrix (Source ID):	**Water (515067-001)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1183799 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: QC1184069**	**Batch: 349543**
Matrix: Drinking Water	**Method: SM2540C**	**Prep Method: METHOD**

QC1184069 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	5.0		09/06/24	09/07/24

Type: Lab Control Sample	**Lab ID: QC1184070**	**Batch: 349543**
Matrix: Drinking Water	**Method: SM2540C**	**Prep Method: METHOD**

QC1184070 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,004	1000	mg/L	100%		90-110

Type: Sample Duplicate	**Lab ID: QC1184071**	**Batch: 349543**
Matrix (Source ID): Water (515256-003)	**Method: SM2540C**	**Prep Method: METHOD**

QC1184071 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	3,708	3696	mg/L		0	5	4

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

Laboratory Job Number 515273

Subcontracted Products

American Environmental Testing

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
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September 13, 2024

AETL Job No: BFI0061
Received Date: 09/06/2024
Project Number: EO-515273

Enthalpy Analytical
931 W. Barkley Ave.
Orange, CA 92868
Telephone: (714)771-6900

Attention: Zach Barker

Project Name: EO-515273
Site:

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

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

Table of Contents

Client Project Name: OPP & Herbicide Project Number: EO-515273
Work Order Number: BFI0061

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

Enthalpy Analytical	AETL Job Number:	BFI0061	
931 W. Barkley Ave.	Project Number:	EO-515273	
Orange, CA 92868	Attention:	Zach Barker	
	Project Name:	EO-515273	Reported: 09/13/2024 10:25

Sample Condition on Receipt

Cooler ID: Default Cooler **Temperature: 5.5 °C**

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

ENTHALPY ANALYTICAL

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

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

Enthalpy Order: EO-515273
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel Transfer File (3 tab xls: SAMPDATE, QCDATA, LNOTE)

Notes:

BFI0061

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-31	03-SEP-2024 12:48	515273-001	1	Water	Organophosphorus Pesticides	BFI0061-01

Notes:	Relinquished By:	Received By:
	Sarg's Piver	
	Date: 9/6/24 1655	Date:
	Date:	Date:
	Date:	Date: 09/06/24 16:55

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COOLER RECEIPT FORM

Client Name: Enthalpy

Project Name: OPP & Herbicide Project No.: EO-515273

AETL Job Number: BFI0061

Date Received: 09/06/2024 Received by: Areg Alexandrian

Carrier: ☐ AETL Courier ☑ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☑ Cooler (1) ☐ Other (Specify):

Sample Container Temperature: 5.5 °C IR Gun S/N: 51941911MV

Type of sample containers: ☐ VOA, ☑ Glass bottles, ☐Wide mouth jars, ☐HDPE bottles, ☐ Metal sleeves, ☐ Acetate sleeves, ☐ 5035 Kit: ☐ AETL or ☐ Client, ☐ Tedlar Bags, Summa Canister: ☐ 6L, ☐ 3L, ☐ 1L, Others (Specify): _____

How are samples preserved: ☐ None, ☑ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✔			
2. Are Sample labels legible & indelible ink?	✔			
3. Do samples match the COC?	✔			
4. Are the required analyses clear?	✔			
5. Is there enough samples for required analysis?	✔			
6. Does cooler or samples have custody seal(s)?			✔	
7. Are sample containers intact and in good condition?	✔			
8. Are samples preserved?	✔			
9. Are samples preserved properly for the intended analysis?	✔			
10. Are the VOAs free of headspace? See footnote.			✔	
11. Are the jars free of headspace?			✔	
12. Are there any samples with short hold times?		✔		

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

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

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

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

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

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Orange, CA 92868	Attention:	Zach Barker	
	Project Name:	EO-515273	Reported: 09/13/2024 10:25

Case Narrative

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

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

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

No analytical non-conformances were encountered.

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Samples Received

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

Client ID		Sample Date
DW-31		09/3/2024 12:48
Lab ID	**Matrix**	**Quantity of Containers**
BFI0061-01	Aqueous	1
Analysis	**Units**	**TAT**
EPA 8141A	ug/L	5

Total Number of Samples received: 1

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Positive Hits Summary

Lab ID **Client ID** **Sampled**

Method	Analyte	Result	Qualifier	Unit	Analyzed

No positive results reported

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Orange, CA 92868	Attention:	Zach Barker	
	Project Name:	EO-515273	Reported: 09/13/2024 10:25

Analytical Results

Client ID: DW-31
Lab ID: BFI0061-01 (Aqueous) **Sampled:** 09/03/24 12:48

Organophosphorus Pesticides

Method: EPA 8141A

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Azinphos-methyl	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Bolstar (Sulprofos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Chloropyrifos (Dursban)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Coumaphos	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Demeton-O & S	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Dichlorvos (DDVP, Diclorovos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Disulfoton	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Ethoprop	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Fensulfothion	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Fenthion	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Malathion	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Merphos	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Methyl parathion (Parathion methyl)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Mevinphos	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Naled	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Phorate (Phosphorodithioic acid)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Ronnel	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Tetrachlorvinphos (Stirophos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Tokuthion (Prothiofos)	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
Trichloronate	ND		1	0.400	ug/L	09/09/24 15:03	09/10/24 01:32	B4I0077	TTN	3510C
	Recovery			Acceptance Criteria						
Surrogate: Tributylphosphate	*79.6%*			*40-150*		09/09/24 15:03	*09/10/24 01:32*	B4I0077	*TTN*	3510C

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Orange, CA 92868	Attention:	Zach Barker	
	Project Name:	EO-515273	Reported: 09/13/2024 10:25

Quality Control Results

Organophosphorus Pesticides (EPA 8141A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0077 - 3510C				**Prepared: 09/09/2024 15:03**						
Method Blank (B4I0077-BLK1)				**Analyzed: 09/10/2024 00:59**						
Azinphos-methyl	ND	0.400	ug/L							
Bolstar (Sulprofos)	ND	0.400	ug/L							
Chloropyrifos (Dursban)	ND	0.400	ug/L							
Coumaphos	ND	0.400	ug/L							
Demeton-O & S	ND	0.400	ug/L							
Dichlorvos (DDVP, Diclorovos)	ND	0.400	ug/L							
Disulfoton	ND	0.400	ug/L							
Ethoprop	ND	0.400	ug/L							
Fensulfothion	ND	0.400	ug/L							
Fenthion	ND	0.400	ug/L							
Malathion	ND	0.400	ug/L							
Merphos	ND	0.400	ug/L							
Methyl parathion (Parathion methyl)	ND	0.400	ug/L							
Mevinphos	ND	0.400	ug/L							
Naled	ND	0.400	ug/L							
Phorate (Phosphorodithioic acid)	ND	0.400	ug/L							
Ronnel	ND	0.400	ug/L							
Tetrachlorvinphos (Stirophos)	ND	0.400	ug/L							
Tokuthion (Prothiofos)	ND	0.400	ug/L							
Trichloronate	ND	0.400	ug/L							
Surrogate: Tributylphosphate	*ND*		*ug/L*	*2.50*		*<.*	*40-150*			

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Quality Control Results

Organophosphorus Pesticides (EPA 8141A)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4I0077 - 3510C (Continued)				**Prepared: 09/09/2024 15:03**						
LCS (B4I0077-BS1)				**Analyzed: 09/09/2024 23:53**						
Azinphos-methyl	0.876	0.400	ug/L	2.00		43.8	30-150			
Bolstar (Sulprofos)	2.48	0.400	ug/L	2.00		124	30-160			
Chloropyrifos (Dursban)	2.34	0.400	ug/L	2.00		117	30-160			
Coumaphos	1.63	0.400	ug/L	2.00		81.3	30-160			
Demeton-O & S	0.715	0.400	ug/L	2.00		35.8	20-160			
Dichlorvos (DDVP, Diclorovos)	1.37	0.400	ug/L	2.00		68.4	30-160			
Disulfoton	2.22	0.400	ug/L	2.00		111	30-160			
Ethoprop	1.86	0.400	ug/L	2.00		92.8	30-160			
Fensulfothion	0.927	0.400	ug/L	2.00		46.3	30-160			
Fenthion	2.11	0.400	ug/L	2.00		105	30-160			
Malathion	1.66	0.400	ug/L	2.00		83.2	30-142			
Merphos	1.94	0.400	ug/L	2.00		97.0	30-160			
Methyl parathion (Parathion methyl)	2.31	0.400	ug/L	2.00		115	30-160			
Mevinphos	1.43	0.400	ug/L	2.00		71.3	30-160			
Naled	0.615	0.400	ug/L	2.00		30.7	30-160			
Phorate (Phosphorodithioic acid)	2.19	0.400	ug/L	2.00		110	30-160			
Ronnel	1.29	0.400	ug/L	2.00		64.7	30-160			
Tetrachlorvinphos (Stirophos)	1.35	0.400	ug/L	2.00		67.7	30-160			
Tokuthion (Prothiofos)	2.46	0.400	ug/L	2.00		123	30-160			
Trichloronate	2.29	0.400	ug/L	2.00		114	30-160			
Surrogate: Tributylphosphate	*2.47*		*ug/L*	*2.50*		*98.9*	*40-150*			
LCSD (B4I0077-BSD1)				**Analyzed: 09/10/2024 00:26**						
Azinphos-methyl	0.953	0.400	ug/L	2.00		47.7	30-150	8.42	40	
Bolstar (Sulprofos)	2.69	0.400	ug/L	2.00		135	30-160	8.19	40	
Chloropyrifos (Dursban)	2.55	0.400	ug/L	2.00		127	30-160	8.48	40	
Coumaphos	1.76	0.400	ug/L	2.00		88.0	30-160	7.87	40	
Demeton-O & S	0.778	0.400	ug/L	2.00		38.9	20-160	8.39	40	
Dichlorvos (DDVP, Diclorovos)	1.46	0.400	ug/L	2.00		73.2	30-160	6.73	40	
Disulfoton	2.41	0.400	ug/L	2.00		121	30-160	8.49	40	
Ethoprop	2.01	0.400	ug/L	2.00		101	30-160	8.18	40	
Fensulfothion	0.957	0.400	ug/L	2.00		47.9	30-160	3.20	40	
Fenthion	2.29	0.400	ug/L	2.00		114	30-160	8.27	40	
Malathion	1.80	0.400	ug/L	2.00		90.2	30-142	8.17	40	
Merphos	2.11	0.400	ug/L	2.00		106	30-160	8.43	40	
Methyl parathion (Parathion methyl)	2.54	0.400	ug/L	2.00		127	30-160	9.76	40	
Mevinphos	1.51	0.400	ug/L	2.00		75.4	30-160	5.57	40	
Naled	0.693	0.400	ug/L	2.00		34.7	30-160	12.0	40	
Phorate (Phosphorodithioic acid)	2.38	0.400	ug/L	2.00		119	30-160	8.47	40	
Ronnel	1.38	0.400	ug/L	2.00		69.2	30-160	6.66	40	
Tetrachlorvinphos (Stirophos)	1.47	0.400	ug/L	2.00		73.6	30-160	8.28	40	

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Quality Control Results

Organophosphorus Pesticides (EPA 8141A)

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

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Qualifiers and Definitions

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

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

Laboratory Job Number 515273

Subcontracted Products

Enthalpy - El Dorado Hills

September 12, 2024

Enthalpy Analytical - El Dorado Hills
Work Order No. 2409043

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

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on September 06, 2024 under your Project Name 'EO-515273'.

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

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

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical - EDH Work Order No. 2409043
Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 8290A

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

Holding Times

The method holding time criteria was met for this sample.

Quality Control

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

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

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

TABLE OF CONTENTS

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2409043-01	DW-31	03-Sep-24 12:48	06-Sep-24 11:20	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 8290A**

Client Data
Name: Enthalpy Analytical
Project: EO-515273
Matrix: Aqueous

Laboratory Data
Lab Sample: B24I050-BLK1
QC Batch: B24I050 Date Extracted: 09-Sep-24
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.922			10-Sep-24 21:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	101	40 - 135		10-Sep-24 21:49	1
37Cl-2,3,7,8-TCDD	CRS	113	40 - 135		10-Sep-24 21:49	1

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

Sample ID: OPR **EPA Method 8290A**

Client Data		Laboratory Data			
Name:	Enthalpy Analytical	Lab Sample:	B24I050-BS1		
Project:	EO-515273	QC Batch:	B24I050	Date Extracted:	09-Sep-24 10:56
Matrix:	Aqueous	Sample Size:	1.00 L	Column:	ZB-DIOXIN

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

Sample ID: DW-31 **EPA Method 8290A**

Client Data

Name: Enthalpy Analytical
Project: EO-515273
Matrix: Water
Date Collected: 03-Sep-24 12:48

Laboratory Data

Lab Sample: 2409043-01
QC Batch: B24I050
Sample Size: 0.998 L
Date Received: 06-Sep-24 11:20
Date Extracted: 09-Sep-24
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	185			11-Sep-24 02:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	103	40 - 135		11-Sep-24 02:29	1
37Cl-2,3,7,8-TCDD	CRS	118	40 - 135		11-Sep-24 02:29	1

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

DATA QUALIFIERS & ABBREVIATIONS

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

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

Enthalpy Analytical - EDH Certifications

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

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

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

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

Enthalpy Order: EO-515273
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

2409043 1.0°C

Notes:
Chiquita Canyon LF New Wells RM22.1077.00/13

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
DW-31	03-SEP-2024 12:48	515273-001	1	Water	EPA 8290 - 2,3,7,8-TCDD Only	

Notes:	Relinquished By:	Received By:
	JELBERT QUITUGUA J. Quitugua 1630	
	Date: 9/5/24	Date: 09/06/24 1120
	Date:	Date:
	Date:	Date:

CoC/Label Reconciliation Report WO# 2409043

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2409043-01	A DW-31 ☑ (B)	515273-001	03-Sep-24 12:48 ☑ (A)	Amber Glass NM Bottle, 1L	Aqueous	

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

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

Comments: (A) Barcode was used to reconcile time.
(B) No back up volume.

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: JT 09/06/24
WMS 09/06/24

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

enthalpy.com

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

Analytical Report *prepared for:*

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

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

Authorized for release by:

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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #: 516176
Location: Chiquita Canyon LF New Wells, RM22.1077.00/13
Date Received: 09/16/24

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

Case Narrative

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

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

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

RSK-175 CO2 (RSK-175):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record — Lab No: 516176 — Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

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

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

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 15.8/15.2 IR 0 / C ice (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geo-logic Associates	Name:	Chiquita Canyon LF New Wells
Report To:	Adrienne Thibeault	Number:	RM22.1077.00/13
Email:	athibeault@geo-logic.com	P.O. #:	
Address:	2777 East Guasti Rd,	Address:	29201 Henry Mayo Drive,
	Ontario CA, 91761		Castaic, CA 91384
Phone:	1-949-677-1093	Global ID:	T0034644243
Fax:		Sampled By:	RR/JR

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8151	RSK-175 CO2	Test Instructions / Comments
1	DW-30	9/16/24	1116	W	4		✓	✓	
2	DW-31	9/16/24	0902	W	4		✓	✓	
3									
4									
5									
6									
7									
8									
9									
10									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Ryan C. Rivera	Ryan C. Rivera	Geo-logic Associates	9/16/24 1:22 pm
[1] Received By:	Adam Dinkmeyer	Adam Dinkmeyer	EA	9-16-24 1324
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 9/16/24 WO# 516176 Client: GEO-LOGIC

ENTHALPY

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☐ No

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

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 9/16/24 By (initials) ABD Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

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

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

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR01 CF: -0.6

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

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

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

☐ Adequate headspace for microbiology analysis.

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

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

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

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 9/16/24 **By (print)** Berkely **(sign)** _____

Date Labeled 9/16/24 **By (print)** TLK **(sign)** TLK

Laboratory Job Number 516176

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2409B05

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Zach Barker
Project P.O.: 058321
Project: EO-516176

Project Location:
Project Received: 09/18/2024

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

Yen Cao
Project Manager

McCampbell 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

Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2409B05

Project: EO-516176

Glossary Abbreviation

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

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

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

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2409B05

Project: EO-516176

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

Analytical Qualifiers

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

Quality Control Qualifiers

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

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2409B05
Date Received:	09/18/2024 9:10	**Extraction Method:**	SW8151A
Date Prepared:	09/18/2024	**Analytical Method:**	SW8151A
Project:	EO-516176	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

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

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

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

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2409B05
Date Received:	09/18/2024 9:10	**Extraction Method:**	SW8151A
Date Prepared:	09/18/2024	**Analytical Method:**	SW8151A
Project:	EO-516176	**Unit:**	µg/L

Chlorinated Herbicides by GC-ECD

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

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

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

Analyst(s): DP Analytical Comments: a3

McCampbell Analytical, Inc.
"When Quality Counts"

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2409B05
Date Received:	09/18/2024 9:10	**Extraction Method:**	RSK175
Date Prepared:	09/18/2024	**Analytical Method:**	RSK175
Project:	EO-516176	**Unit:**	µg/L

Dissolved Carbon Dioxide by RSK 175

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-30	2409B05-001B	Water	09/16/2024 11:16	GC26 0918241204.D	302191

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

Analyst(s): PRE

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

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

Analyst(s): PRE

12 of 19

McCampbell Analytical, Inc.
"When Quality Counts"

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2409B05
Date Prepared:	09/18/2024	**BatchID:**	302194
Date Analyzed:	09/19/2024	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-516176	**Sample ID:**	MB/LCS/LCSD-302194

QC Summary Report for SW8151A

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

(Cont.)

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2409B05
Date Prepared:	09/18/2024	**BatchID:**	302194
Date Analyzed:	09/19/2024	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Water	**Unit:**	µg/L
Project:	EO-516176	**Sample ID:**	MB/LCS/LCSD-302194

QC Summary Report for SW8151A

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

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2409B05
Date Prepared:	09/18/2024	**BatchID:**	302191
Date Analyzed:	09/18/2024	**Extraction Method:**	RSK175
Instrument:	GC26	**Analytical Method:**	RSK175
Matrix:	Water	**Unit:**	µg/L
Project:	EO-516176	**Sample ID:**	MB/LCS/LCSD-302191

QC Summary Report for RSK175

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

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

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2409B05 **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ Excel [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(916) 202-6379 FAX:
Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 058321
Project: EO-516176

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

Requested TAT: **2 days;**
Date Received: **09/18/2024**
Date Logged: **09/18/2024**

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

Test Legend:

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

Project Manager: Yen Cao

Prepared by: Natalie Zaragoza

Comments:

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

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WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL **Project:** EO-516176 **Work Order:** 2409B05
Client Contact: Zach Barker **QC Level:** LEVEL 2
Contact's Email: zach.barker@enthalpy.com **Comments:** **Date Logged:** 9/18/2024

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

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	DW-30	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	9/16/2024 11:16	2 days	9/20/2024	Present	☐	☐
001B	DW-30	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/16/2024 11:16	2 days	9/20/2024	Present	☐	☐
002A	DW-31	Water	SW8151A (Chlorinated Herbicides)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	9/16/2024 9:02	2 days	9/20/2024	Present	☐	☐
002B	DW-31	Water	RSK175 (CO2)	3	VOA, Unpres	☐	☐	☐	9/16/2024 9:02	2 days	9/20/2024	Present	☐	☐

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

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

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

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

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

Cont./Comp. = Containers /Composites

2409805

ENTHALPY ANALYTICAL

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

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

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

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

Notes:

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

Notes:	Relinquished By:	Received By:
	JELBERT QUITUGUA J. Quitugua 1450	
	Date: 9/17/24	Date:
		[illegible]
	Date:	Date: 09/18/24 0910
	Date:	Date:

FedEx: 778649491483

0.3 cut
IR41

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Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	9/18/2024 09:10
Project:	EO-516176	Date Logged:	9/18/2024
		Received by:	Natalie Zaragoza
WorkOrder №:	2409B05 Matrix:	Logged by:	Natalie Zaragoza
Carrier:	FedEx		

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.3°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

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

Comments: