



CDH Consulting

Ethan Black

9446 Clermont St

Thornton

CO

80229

September 23, 2025

**Project Name - Chevron - Lower Latham 35-10B,
11B**

Project Number - C018-070

Attached are your analytical results for Chevron - Lower Latham 35-10B, 11B received by Origins Laboratory September 05, 2025. This project is associated with Origins project number E510146-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



CDH Consulting
9446 Clermont St
Thornton CO 80229

Ethan Black
Project Number: C018-070
Project: Chevron - Lower Latham 35-10B, 11B

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	E5I0146-01	Water	September 3, 2025 11:30	09/05/2025 17:07
MW-3	E5I0146-02	Water	September 3, 2025 11:40	09/05/2025 17:07
MW-4	E5I0146-03	Water	September 3, 2025 11:50	09/05/2025 17:07
MW-6	E5I0146-04	Water	September 3, 2025 12:00	09/05/2025 17:07
MW-7	E5I0146-05	Water	September 3, 2025 12:10	09/05/2025 17:07
MW-8	E5I0146-06	Water	September 3, 2025 12:20	09/05/2025 17:07
MW-9	E5I0146-07	Water	September 3, 2025 12:30	09/05/2025 17:07
MW-10	E5I0146-08	Water	September 3, 2025 12:40	09/05/2025 17:07
MW-11	E5I0146-09	Water	September 3, 2025 12:50	09/05/2025 17:07
MW-12	E5I0146-10	Water	September 3, 2025 13:00	09/05/2025 17:07

Origins Laboratory

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Kayla Kenyon, Project Manager

Client: Farm 1 CDH
Address: _____

Telephone Number: _____

Email Address: awana@farm1cdh.com cheryl@farm1cdh.com

Project Manager: Don Peterson
Project Name: Lower Latham 35-103, 113
Project Number: COB-070

Collected By: Aspen Miller
Invoice/Billing Info: _____

Key: W=Water
 GW=Groundwater
 SW=Surface Water
 WW=Waste Water
 L=Liquid

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis				Comments											
							1-5	6-10	11-15	16-20												
1	MW-1	9/13/25	11:30	5	CU	HCl/None																
2	MW-2		11:40																			
3	MW-4		11:50																			
4	MW-6		12:00																			
5	MW-7		12:10																			
6	MW-8		12:20																			
7	MW-9		12:30																			
8	MW-10		12:40																			
9	MW-11		12:50																			
10	MW-12		1:00																			

Relinquished/By: [Signature] Date: 9/14/25 Time: 16:15 Received By: NB Date: 9/15/25 Time: 12:10

Relinquished By: NB Date: 9/15/25 Time: 17:08 Received By: NLM Date: 01/05/25 Time: 17:07

Temp Received - 2.0°C Received On Ice? Yes No

Turnaround Time SAME DAY 24 HR Standard 48 Hr 72

Sample Receipt Checklist

Origins Work Order: ESI0146

Client: CDH

Client Project ID: Lower Latham 35-10B, 11B

Checklist Completed by: NLM/

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 09/08/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1 / 2.0 °C (Describe)

Thermometer ID: T-004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>SC, GB, GL</u>
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>N.C.</u>
Additional Comments (if any): <u>Some Polys not labeled, but in bag w/ labeled vials</u>				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed 09/09/25



CDH Consulting
9446 Clermont St
Thornton CO 80229

Ethan Black
Project Number: C018-070
Project: Chevron - Lower Latham 35-10B, 11B

MW-1

9/3/2025 11:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5I0146-01 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5I0869	09/08/2025	09/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	97.7 %				70-130	"	"	"	
Surrogate: Toluene-d8	95.2 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	602		31.2	mg/L	125	B5I1108	09/11/2025	09/15/2025	
Sulfate	611		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	2150		5.00	"	1	B5I0823	09/08/2025	09/09/2025	

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Kayla Kenyon, Project Manager



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MW-3

9/3/2025 11:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E510146-02 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B510869	09/08/2025	09/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.2 %				70-130	"	"	"	
Surrogate: Toluene-d8	94.4 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	432		31.2	mg/L	125	B511108	09/11/2025	09/15/2025	
Sulfate	244		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1490		5.00	"	1	B510560	09/05/2025	09/11/2025	O-04

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Ethan Black
Project Number: C018-070
Project: Chevron - Lower Latham 35-10B, 11B

MW-4

9/3/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5I0146-03 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	124		2.00	ug/L	1	B5I0869	09/08/2025	09/09/2025	
1,3,5-Trimethylbenzene	53.7		2.00	"	"	"	"	"	
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	11.6		1.00	"	"	"	"	"	
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	64.4		1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	95.2 %				70-130	"	"	"	
Surrogate: Toluene-d8	100 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	496		31.2	mg/L	125	B5I1108	09/11/2025	09/15/2025	
Sulfate	347		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1710		5.00	"	1	B5I0560	09/05/2025	09/11/2025	O-04

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Project: Chevron - Lower Latham 35-10B, 11B

MW-6

9/3/2025 12:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5I0146-04 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	44.6		2.00	ug/L	1	B5I0869	09/08/2025	09/09/2025	
1,3,5-Trimethylbenzene	60.0		2.00	"	"	"	"	"	
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	121		1.00	"	"	"	"	"	
Naphthalene	7.85		2.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	71.6		1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	95.3 %			70-130		"	"	"	
Surrogate: Toluene-d8	95.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %			70-130		"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	471		31.2	mg/L	125	B5I1108	09/11/2025	09/15/2025	
Sulfate	37.5		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1640		5.00	"	1	B5I0823	09/08/2025	09/09/2025	

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Project: Chevron - Lower Latham 35-10B, 11B

MW-7

9/3/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5I0146-05 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	50.9		2.00	ug/L	1	B5I0869	09/08/2025	09/09/2025	
1,3,5-Trimethylbenzene	18.9		2.00	"	"	"	"	"	
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	16.2		1.00	"	"	"	"	"	
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	131		1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.2 %				70-130	"	"	"	
Surrogate: Toluene-d8	97.4 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	423		31.2	mg/L	125	B5I1108	09/11/2025	09/15/2025	
Sulfate	451		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1680		5.00	"	1	B5I0823	09/08/2025	09/09/2025	

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MW-8
9/3/2025 12:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E510146-06 (Water)									
Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B510869	09/08/2025	09/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.1 %				70-130	"	"	"	
Surrogate: Toluene-d8	94.5 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	366		31.2	mg/L	125	B511108	09/11/2025	09/15/2025	
Sulfate	380		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1440		5.00	"	1	B510823	09/08/2025	09/09/2025	

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Thornton CO 80229

Ethan Black
Project Number: C018-070
Project: Chevron - Lower Latham 35-10B, 11B

MW-9
9/3/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E510146-07 (Water)
Origins Laboratory

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B510869	09/08/2025	09/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.5 %				70-130	"	"	"	
Surrogate: Toluene-d8	94.7 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %				70-130	"	"	"	

Chloride and Sulfate By EPA 300.0

Chloride	514		31.2	mg/L	125	B511108	09/11/2025	09/15/2025	
Sulfate	456		31.2	"	"	"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1730		5.00	"	1	B510823	09/08/2025	09/09/2025	
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Kayla Kenyon, Project Manager



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Thornton CO 80229

Ethan Black
Project Number: C018-070
Project: Chevron - Lower Latham 35-10B, 11B

MW-10

9/3/2025 12:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5I0146-08 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5I0869	09/08/2025	09/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.5 %				70-130	"	"	"	
Surrogate: Toluene-d8	95.2 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	305		31.2	mg/L	125	B5I1109	09/11/2025	09/16/2025	
Sulfate	345		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	1250		5.00	"	1	B5I0823	09/08/2025	09/09/2025	

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Ethan Black
Project Number: C018-070
Project: Chevron - Lower Latham 35-10B, 11B

MW-11

9/3/2025 12:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E510146-09 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B510869	09/08/2025	09/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.3 %				70-130	"	"	"	
Surrogate: Toluene-d8	94.7 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	607		31.2	mg/L	125	B511109	09/11/2025	09/16/2025	
Sulfate	594		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	2080		5.00	"	1	B510823	09/08/2025	09/09/2025	

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Ethan Black
Project Number: C018-070
Project: Chevron - Lower Latham 35-10B, 11B

MW-12

9/3/2025 1:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E510146-10 (Water) Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B510869	09/08/2025	09/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.4 %				70-130	"	"	"	
Surrogate: Toluene-d8	94.5 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	706		31.2	mg/L	125	B511109	09/11/2025	09/16/2025	
Sulfate	680		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	2490		5.00	"	1	B510823	09/08/2025	09/09/2025	

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Kayla Kenyon, Project Manager



CDH Consulting
 9446 Clermont St
 Thornton CO 80229

Ethan Black
 Project Number: C018-070
 Project: Chevron - Lower Latham 35-10B, 11B

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B510560 - NO PREP										
Blank (B510560-BLK1)										
					Prepared: 09/05/2025 Analyzed: 09/11/2025					
Total Dissolved Solids	ND	5.00	mg/L							U
LCS (B510560-BS1)										
					Prepared: 09/05/2025 Analyzed: 09/11/2025					
Total Dissolved Solids	1010	5.00	mg/L	1030		97.7	90-110			
Duplicate (B510560-DUP1)										
					Source: E510141-18 Prepared: 09/05/2025 Analyzed: 09/11/2025					
Total Dissolved Solids	722	5.00	mg/L		720			0.277	10	
Batch B510823 - NO PREP										
Blank (B510823-BLK1)										
					Prepared: 09/08/2025 Analyzed: 09/09/2025					
Total Dissolved Solids	ND	5.00	mg/L							U
LCS (B510823-BS1)										
					Prepared: 09/08/2025 Analyzed: 09/09/2025					
Total Dissolved Solids	990	5.00	mg/L	1030		96.1	90-110			
Duplicate (B510823-DUP1)										
					Source: E510145-01 Prepared: 09/08/2025 Analyzed: 09/09/2025					
Total Dissolved Solids	5000	5.00	mg/L		5050			0.995	10	
Batch B511108 - Filter .45um non acidified										
Blank (B511108-BLK1)										
					Prepared: 09/11/2025 Analyzed: 09/12/2025					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
LCS (B511108-BS1)										
					Prepared: 09/11/2025 Analyzed: 09/12/2025					
Chloride	4.14	0.250	mg/L	4.00		103	90-110			
Sulfate	4.12	0.250	"	4.00		103	90-110			

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Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B511108 - Filter .45um non acidified

Matrix Spike (B511108-MS1)

Source: E5I0184-05

Prepared: 09/11/2025 Analyzed: 09/12/2025

Chloride	773		mg/L	500	259	103	90-110			
Sulfate	909		"	500	391	104	90-110			

Matrix Spike Dup (B511108-MSD1)

Source: E5I0184-05

Prepared: 09/11/2025 Analyzed: 09/12/2025

Chloride	776		mg/L	500	259	103	90-110	0.474	5	
Sulfate	912		"	500	391	104	90-110	0.254	5	

Batch B511109 - Filter .45um non acidified

Blank (B511109-BLK1)

Prepared: 09/11/2025 Analyzed: 09/15/2025

Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U

LCS (B511109-BS1)

Prepared: 09/11/2025 Analyzed: 09/15/2025

Chloride	4.29	0.250	mg/L	4.00		107	90-110			
Sulfate	4.29	0.250	"	4.00		107	90-110			

Matrix Spike (B511109-MS1)

Source: E5I0146-09

Prepared: 09/11/2025 Analyzed: 09/15/2025

Chloride	1190		mg/L	500	607	117	90-110			QM-07
Sulfate	1180		"	500	594	117	90-110			QM-07

Matrix Spike Dup (B511109-MSD1)

Source: E5I0146-09

Prepared: 09/11/2025 Analyzed: 09/15/2025

Chloride	1140		mg/L	500	607	107	90-110	3.98	5	
Sulfate	1130		"	500	594	106	90-110	4.44	5	

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B510869 - EPA 5030B (Water)

Blank (B510869-BLK1)

Prepared: 09/08/2025 Analyzed: 09/08/2025

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U

Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.3	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

LCS (B510869-BS1)

Prepared: 09/08/2025 Analyzed: 09/08/2025

1,2,4-Trimethylbenzene	53.8	2.00	ug/L	50.0		108	70-130			
1,3,5-Trimethylbenzene	52.6	2.00	"	50.0		105	70-130			
Benzene	49.5	1.00	"	50.0		98.9	70-130			
Ethylbenzene	54.4	1.00	"	50.0		109	70-130			
m,p-Xylene	108	2.00	"	100		108	70-130			
Naphthalene	52.1	2.00	"	50.0		104	70-130			
o-Xylene	53.6	1.00	"	50.0		107	70-130			
Toluene	50.3	1.00	"	50.0		101	70-130			

Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

Matrix Spike (B510869-MS1)

Source: E510142-01

Prepared: 09/08/2025 Analyzed: 09/08/2025

1,2,4-Trimethylbenzene	54.3	2.00	ug/L	50.0	ND	109	70-130			
1,3,5-Trimethylbenzene	52.6	2.00	"	50.0	ND	105	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B510869 - EPA 5030B (Water)

Matrix Spike (B510869-MS1)		Source: E510142-01			Prepared: 09/08/2025 Analyzed: 09/08/2025					
Benzene	49.6	1.00	ug/L	50.0	ND	99.1	70-130			
Ethylbenzene	54.1	1.00	"	50.0	ND	108	70-130			
m,p-Xylene	108	2.00	"	100	ND	108	70-130			
Naphthalene	53.6	2.00	"	50.0	ND	107	70-130			
o-Xylene	53.6	1.00	"	50.0	ND	107	70-130			
Toluene	49.5	1.00	"	50.0	ND	99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.0	70-130			
Surrogate: Toluene-d8	59		"	62.5		95.0	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		105	70-130			

Matrix Spike Dup (B510869-MSD1)		Source: E510142-01			Prepared: 09/08/2025 Analyzed: 09/08/2025					
1,2,4-Trimethylbenzene	51.7	2.00	ug/L	50.0	ND	103	70-130	4.75	20	
1,3,5-Trimethylbenzene	50.6	2.00	"	50.0	ND	101	70-130	3.96	20	
Benzene	50.1	1.00	"	50.0	ND	100	70-130	1.12	20	
Ethylbenzene	53.0	1.00	"	50.0	ND	106	70-130	2.19	20	
m,p-Xylene	105	2.00	"	100	ND	105	70-130	2.95	20	
Naphthalene	53.3	2.00	"	50.0	ND	107	70-130	0.561	20	
o-Xylene	52.0	1.00	"	50.0	ND	104	70-130	3.03	20	
Toluene	49.7	1.00	"	50.0	ND	99.4	70-130	0.363	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

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Notes and Definitions

- U Sample is Non-Detect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- O-04 This sample was analyzed outside the EPA recommended holding time.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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