



**Fremont Environmental**  
**Paul Henehan**  
**8305 6th St, PO Box 1289**  
**Wellington CO 80549**

**March 13, 2025**

**Project Name - Chevron - HSR Fischer 6-23      Project Number - CO24-016**

Attached are your analytical results for Chevron - HSR Fischer 6-23 received by Origins Laboratory February 28, 2025. This project is associated with Origins project number E5C0010-01.

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.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. 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



Fremont Environmental  
8305 6th St, PO Box 1289  
Wellington CO 80549

Paul Henehan  
Project Number: CO24-016  
Project: Chevron - HSR Fischer 6-23

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1R	E5C0010-01	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-2R	E5C0010-02	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-3R	E5C0010-03	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-4R	E5C0010-04	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-5R	E5C0010-05	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-6R	E5C0010-06	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-7R	E5C0010-07	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-8R	E5C0010-08	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-9R	E5C0010-09	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-10R	E5C0010-10	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-11R	E5C0010-11	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-12R	E5C0010-12	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-13R	E5C0010-13	Water	February 27, 2025 0:00	02/28/2025 17:15
MW-14R	E5C0010-14	Water	February 27, 2025 0:00	02/28/2025 17:15

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**ORIGINS**

**ESC0010**

Page 1 of 2

Client: Fremont Environmental  
 Address: \_\_\_\_\_

Project Manager: Paul Henehan  
 Project Name: HSR Fischer 6-23

Telephone Number: \_\_\_\_\_  
 Email Address: Paul.Henehan@originslab.com

Collected By: Aaron Miller  
 Invoice Billing Info: Don Fischer Lawson


Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
					915-Organics	915-Inorganics	
MW-1R	2/17/25	1	4	CRU, W, HCL	X	X	
MW-2R	1						
MW-3R	1						
MW-4R	1						
MW-5R	1						
MW-6R	1						
MW-7R	1						
MW-8R	1						
MW-9R	1						
MW-10R	1						

Relinquished By: <u>W</u>	Date: <u>2/17/25</u>	Time: <u>153</u>	Received By: <u>W</u>	Date: <u>2/28/25</u>	Time: <u>155</u>
Relinquished By: <u>W</u>	Date: <u>02/28/25</u>	Time: <u>175</u>	Received By: <u>W</u>	Date: <u>2/28/25</u>	Time: <u>1715</u>

3.2

Temp Received: \_\_\_\_\_  
 Received On Ice?  Yes  No

Turnaround Time  
 48 Hr  72  
 SAME DAY  24 Hr

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Project Number: CO24-016  
Project: Chevron - HSR Fischer 6-23

Origins Laboratory

F-012207-01-R1  
Effective Date: 01/09/12

### Sample Receipt Checklist

Origins Work Order: ESC 0000 Client: Fremont  
 Checklist Completed by: SEM/NKM Client Project ID: HSR Fischer 6-23  
 Date/time completed: 03/03/25 Shipped Via: TD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply): Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 3.2 °C (Describe)  
 Thermometer ID: T-001

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" 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 checked="" type="checkbox"/>			
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" 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"/>			
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 HNO3, HCl, H2SO4) / (pH > 10 for samples preserved with NaAsO2-NaOH, ZnAc-NaOH)	<input checked="" type="checkbox"/>			
Additional Comments (if any): Every container for every sample has an incomplete sample ID (e.g. container should be labeled 'MW-12' but is actually labeled '1'). NO SAMPLE TIME				

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

These containers have ~1/4-1/2 in. of headspace:  
 • ESC010-02 A  
 • ESC0010-01 C  
 • ESC0010-05 A  
 • ESC010-08 B

Reviewed by (Project Manager) AJ

Date/Time Reviewed 3/4/25

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 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**MW-1R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-01 (Water)**

**Anions by IC 300.0**

Chloride	430		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	1040		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	108 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2770		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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**MW-2R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-02 (Water)**

**Anions by IC 300.0**

Chloride	382		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	857		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	109 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.5 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2330		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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**MW-3R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-03 (Water)**

**Anions by IC 300.0**

Chloride	454		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	1180		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	108 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.0 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	3140		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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**MW-4R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-04 (Water)**

**Anions by IC 300.0**

Chloride	<b>358</b>		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	<b>788</b>		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	<b>10.9</b>		1.00	"	"	"	"	"	
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	<b>3.19</b>		1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	96.8 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %	70-130	"	"	"	"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	<b>2150</b>		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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**MW-5R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-05 (Water)**

**Anions by IC 300.0**

Chloride	400		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	1070		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	107%		70-130			"	"	"	
Surrogate: Toluene-d8	96.2%		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0%		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2840		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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**MW-6R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5C0010-06 (Water)**

**Anions by IC 300.0**

Chloride	421		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	1040		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2800		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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 Project: Chevron - HSR Fischer 6-23

**MW-7R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-07 (Water)**

**Anions by IC 300.0**

Chloride	561		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	717		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	186		1.00	"	"	"	"	"	
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	2.05		1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	97.0 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %		70-130		"	"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	3100		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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 Project: Chevron - HSR Fischer 6-23

**MW-8R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-08 (Water)**

**Anions by IC 300.0**

Chloride	384		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	883		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	109 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.4 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2340		5.00	mg/L	1	B5C0339	03/03/2025	03/03/2025	
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**MW-9R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-09 (Water)**

**Anions by IC 300.0**

Chloride	351		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	697		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	95.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.9 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2090		5.00	mg/L	1	B5C0340	03/03/2025	03/04/2025	
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Origins Laboratory

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Fremont Environmental  
 8305 6th St, PO Box 1289  
 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**MW-10R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-10 (Water)**

**Anions by IC 300.0**

Chloride	379		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	754		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	108 %		70-130			"	"	"	
Surrogate: Toluene-d8	95.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2260		5.00	mg/L	1	B5C0340	03/03/2025	03/04/2025	
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 8305 6th St, PO Box 1289  
 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**MW-11R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-11 (Water)**

**Anions by IC 300.0**

Chloride	405		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	462		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	107%		70-130			"	"	"	
Surrogate: Toluene-d8	95.9%		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0%		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2420		5.00	mg/L	1	B5C0340	03/03/2025	03/04/2025	
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Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**MW-12R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-12 (Water)**

**Anions by IC 300.0**

Chloride	379		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	964		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	108 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2440		5.00	mg/L	1	B5C0340	03/03/2025	03/04/2025	
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 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**MW-13R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5C0010-13 (Water)**

**Anions by IC 300.0**

Chloride	453		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	1080		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	107%		70-130			"	"	"	
Surrogate: Toluene-d8	97.2%		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7%		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2930		5.00	mg/L	1	B5C0340	03/03/2025	03/04/2025	
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Wellington CO 80549

Paul Henehan  
Project Number: CO24-016  
Project: Chevron - HSR Fischer 6-23

**MW-14R**

**2/27/2025 12:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5C0010-14 (Water)**

**Anions by IC 300.0**

Chloride	371		31.2	mg/L	125	B5C0404	03/04/2025	03/04/2025	
Sulfate	770		31.2	"	"	"	"	"	

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5C0449	03/04/2025	03/09/2025	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	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %		70-130			"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	2390		5.00	mg/L	1	B5C0340	03/03/2025	03/04/2025	
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Fremont Environmental  
 8305 6th St, PO Box 1289  
 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**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 B5C0449 - EPA 5030B (Water)**

**Blank (B5C0449-BLK1)**

Prepared: 03/04/2025 Analyzed: 03/08/2025

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	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	70-130			

Origins Laboratory

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Fremont Environmental  
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 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**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 B5C0449 - EPA 5030B (Water)**

**LCS (B5C0449-BS1)**

Prepared: 03/04/2025 Analyzed: 03/08/2025

1,2,4-Trimethylbenzene	45.2	2.00	ug/L	50.0		90.4	70-130			
1,3,5-Trimethylbenzene	45.5	2.00	"	50.0		91.0	70-130			
Benzene	46.6	1.00	"	50.0		93.2	70-130			
Ethylbenzene	45.5	1.00	"	50.0		90.9	70-130			
m,p-Xylene	91.3	2.00	"	100		91.3	70-130			
Naphthalene	50.5	2.00	"	50.0		101	70-130			
o-Xylene	45.6	1.00	"	50.0		91.3	70-130			
Toluene	45.8	1.00	"	50.0		91.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

Origins Laboratory

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Fremont Environmental  
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 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**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 B5C0449 - EPA 5030B (Water)**

**Matrix Spike (B5C0449-MS1)**

**Source: E5C0010-01**

Prepared: 03/04/2025 Analyzed: 03/09/2025

1,2,4-Trimethylbenzene	44.8	2.00	ug/L	50.0	ND	89.6	70-130			
1,3,5-Trimethylbenzene	44.2	2.00	"	50.0	ND	88.3	70-130			
Benzene	47.0	1.00	"	50.0	ND	93.9	70-130			
Ethylbenzene	43.9	1.00	"	50.0	ND	87.8	70-130			
m,p-Xylene	88.5	2.00	"	100	ND	88.5	70-130			
Naphthalene	56.1	2.00	"	50.0	ND	112	70-130			
o-Xylene	45.3	1.00	"	50.0	ND	90.6	70-130			
Toluene	45.0	1.00	"	50.0	ND	90.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		108	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**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 B5C0449 - EPA 5030B (Water)**

**Matrix Spike Dup (B5C0449-MSD1)**

**Source: E5C0010-01**

Prepared: 03/04/2025 Analyzed: 03/09/2025

1,2,4-Trimethylbenzene	42.3	2.00	ug/L	50.0	ND	84.5	70-130	5.88	20	
1,3,5-Trimethylbenzene	42.4	2.00	"	50.0	ND	84.8	70-130	4.00	20	
Benzene	45.8	1.00	"	50.0	ND	91.7	70-130	2.41	20	
Ethylbenzene	42.3	1.00	"	50.0	ND	84.5	70-130	3.74	20	
m,p-Xylene	85.8	2.00	"	100	ND	85.8	70-130	3.09	20	
Naphthalene	53.7	2.00	"	50.0	ND	107	70-130	4.33	20	
o-Xylene	43.8	1.00	"	50.0	ND	87.6	70-130	3.30	20	
Toluene	43.4	1.00	"	50.0	ND	86.8	70-130	3.73	20	
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**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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**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 B5C0339 - NO PREP**

**Blank (B5C0339-BLK1)**

Prepared: 03/03/2025 Analyzed: 03/03/2025

Total Dissolved Solids ND 5.00 mg/L

**LCS (B5C0339-BS1)**

Prepared: 03/03/2025 Analyzed: 03/03/2025

Total Dissolved Solids 972 5.00 mg/L 1000 97.2 90-110

**Duplicate (B5C0339-DUP1)**

**Source: E5B0774-01**

Prepared: 03/03/2025 Analyzed: 03/03/2025

Total Dissolved Solids 710 5.00 mg/L 722 1.68 10

**Batch B5C0340 - NO PREP**

**Blank (B5C0340-BLK1)**

Prepared: 03/03/2025 Analyzed: 03/04/2025

Total Dissolved Solids ND 5.00 mg/L

**LCS (B5C0340-BS1)**

Prepared: 03/03/2025 Analyzed: 03/04/2025

Total Dissolved Solids 988 5.00 mg/L 1000 98.8 90-110

**Duplicate (B5C0340-DUP1)**

**Source: E5C0004-02**

Prepared: 03/03/2025 Analyzed: 03/04/2025

Total Dissolved Solids 4830 5.00 mg/L 4790 0.791 10

**Batch B5C0404 - Filter .45um non acidified**

**Blank (B5C0404-BLK1)**

Prepared: 03/04/2025 Analyzed: 03/04/2025

Chloride ND 0.250 mg/L

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 Wellington CO 80549

Paul Henehan  
 Project Number: CO24-016  
 Project: Chevron - HSR Fischer 6-23

**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 B5C0404 - Filter .45um non acidified**

**Blank (B5C0404-BLK1)**

Prepared: 03/04/2025 Analyzed: 03/04/2025

Sulfate ND 0.250 mg/L

**LCS (B5C0404-BS1)**

Prepared: 03/04/2025 Analyzed: 03/04/2025

Chloride 3.92 0.250 mg/L 4.00 98.1 90-110  
 Sulfate 3.84 0.250 " 4.00 96.1 90-110

**Matrix Spike (B5C0404-MS1)**

**Source: E5C0010-01**

Prepared: 03/04/2025 Analyzed: 03/04/2025

Chloride 920 mg/L 500 430 97.9 90-110  
 Sulfate 1430 " 500 1040 79.0 90-110 QM-07

**Matrix Spike Dup (B5C0404-MSD1)**

**Source: E5C0010-01**

Prepared: 03/04/2025 Analyzed: 03/04/2025

Chloride 929 mg/L 500 430 99.8 90-110 0.986 5  
 Sulfate 1460 " 500 1040 84.4 90-110 1.86 5 QM-07

Origins Laboratory

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Fremont Environmental  
8305 6th St, PO Box 1289  
Wellington CO 80549

Paul Henehan  
Project Number: CO24-016  
Project: Chevron - HSR Fischer 6-23

### 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.
  - ND Analyte NOT DETECTED at or above the reporting limit
  - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory

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