



**Fremont Environmental**

**Ethan Black**

**8305 6th St, PO Box 1289**

**Wellington CO 80549**

**April 14, 2025**

**Project Name - Chevron - Harper Kona**

**Project Number - C021-074**

Attached are your analytical results for Chevron - Harper Kona received by Origins Laboratory March 13, 2025. This project is associated with Origins project number E5C0541-01.

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

Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-12 20FT	E5C0541-01	Soil	March 13, 2025 13:30	03/13/2025 17:20
MW-12GW	E5C0541-02	Water	March 13, 2025 14:00	03/13/2025 17:20
MW-13 20FT	E5C0541-03	Soil	March 13, 2025 11:00	03/13/2025 17:20
MW-13GW	E5C0541-04	Water	March 13, 2025 12:15	03/13/2025 17:20
MW-13 25FT	E5C0541-05	Soil	March 13, 2025 11:15	03/13/2025 17:20
MW-12 22FT	E5C0541-06	Soil	March 13, 2025 13:45	03/13/2025 17:20

Origins Laboratory

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# ORIGINS LABORATORY

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

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

Page 1 of 1

ORIGINS WORK ORDER # **ESGOSU1**

**ORIGINS**  
 LABORATORY INC

Client: Fremont Environmental

Address:

Project Manager: **Ethan Black**  
 Project Name: **Harper Kona**  
 Project Number: **C021-074**  
 Collected By: **Jordan Suttles**  
 Invoice/Billing Info: **Chevron - Dan Peterson**

Key:

W=Water

GW=Groundwater

SW=Surface Water

WW=Waste Water

L=Liquid

Telephone Number: **964-483-2069**

Email Address: **jordan@fremontenv.com**

Address: **Fremont Environmental**

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	
							Project # added per 3/13/25	Comments
1	MW-12 20FT	3/13/25	13:30	2	Soil	None	X	project # added per 3/13/25
2	MW-12 20FT	3/13/25	14:00	4	Soil	None	X	Comments
3	MW-13 20FT	3/13/25	11:00	2	Soil	None	X	
4	MW-13 20FT	3/13/25	12:15	4	Soil	None	X	
5	MW-13 25FT	3/13/25	11:15	2	Soil	None	X	
6	MW-12 20FT	3/13/25	13:45	2	Soil	None	X	
7								
8								
9								
10								

Relinquished By: **Jordan Suttles** Date: **3/13/25** Time: **14:30** Received By: **VK** Date: **03/13/25** Time: **1600**

Relinquished By: **VK** Date: **03/13/25** Time: **1620** Received By: **SAJ** Date: **3/13/25** Time: **1720**

Turnaround Time:  SAME DAY  24 HR  48 HR  72 HR

Standard:  Standard

Temp Received:  Yes  No

For Lab Sample Receiving Only

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | origins@originslab.com | Temp Received - 1.2 Received On Ice - 1.2

Origins Laboratory



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Wellington CO 80549

Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

Origins Laboratory  
Sample Receipt Checklist  
Effective Date: 01/09/12

Origins Work Order: ESCOSHI Client: fremont  
Client Project ID: Harper Kona

Checklist Completed by: SKOINER Shipped Via: 40  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 3/14/25 Airbill #: N/A

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
(Describe)

Cooler Number/Temperature: 1/1.2 °C 1 °C 1 °C 1 °C  
Thermometer ID: 7007

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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			NC
Additional Comments (if any):				

<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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager): AK Date/Time Reviewed: 3/17/25

Origins Laboratory

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Kayla Kenyon For Jen Pellegrini, Project Manager



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 Wellington CO 80549

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-12 20FT**  
**3/13/2025 1:30:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.744		0.101	mg/L	1	B5C1922	03/19/2025	03/21/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1942	03/19/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	77.5 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1808	03/18/2025	03/19/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	110 %			70-130		"	"	"	
Surrogate: Toluene-d8	119 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	86.9 %			70-130		"	"	"	

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**3/13/2025 1:30:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	24.6		0.499	meq/L	10	[CALC]	03/19/2025	03/24/2025	
Magnesium	27.7		0.823	"	"	"	"	"	
Sodium	22.6		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.02			pH Units	1	B5C2016	03/20/2025	03/22/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	4.42		0.0100	SAR	1	B5C1961	03/19/2025	03/24/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	5.08		0.00500	mmhos/cm	1	B5C2016	03/20/2025	03/22/2025	
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	9.05		0.271	mg/kg	10	B5C1838	03/18/2025	03/20/2025	
Barium	76.4		9.35	"	"	"	"	"	
Cadmium	ND		0.0935	"	"	"	"	"	U
Copper	13.2		9.35	"	"	"	"	"	
Lead	13.6		0.935	"	"	"	"	"	
Nickel	9.28		0.935	"	"	"	"	"	
Selenium	0.438		0.243	"	"	"	"	"	

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**MW-12 20FT**  
**3/13/2025 1:30:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-01 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Silver	ND		0.0935	mg/kg	10	B5C1838	03/18/2025	03/20/2025	U
Zinc	59.7		34.6	"	"	"	"	"	

**Waypoint Analytical, LLC.**

**PAH by 8270D**

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

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**MW-12 20FT**  
**3/13/2025 1:30:00PM**

**E5C0541-01 (Soil)**  
**Waypoint Analytical, LLC.**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>PAH by 8270D</b>									
Naphthalene	ND	0.00145	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.2 %			33-115		"	"	"	
Surrogate: 4-Terphenyl-d14	81.9 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	64.8 %			29-110		"	"	"	
<b>Total Metals by 7196A</b>									
Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808437	03/13/2025	03/31/2025	

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**MW-12GW**  
**3/13/2025 2:00:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-02 (Water)**  
**Origins Laboratory**

**Anions by IC 300.0**

Chloride	165		31.2	mg/L	125	B5C1842	03/18/2025	03/20/2025	
Sulfate	3110		31.2	"	"	"	"	"	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	4680		5.00	"	1	B5C1493	03/14/2025	03/20/2025	
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**Waypoint Analytical, LLC.**

**BTEX by 8260B**

1,2,4-Trimethylbenzene	ND	0.86	1	µg/L	1	L807122	03/24/2025	03/24/2025	
1,3,5-Trimethylbenzene	ND	0.76	1	"	"	"	"	"	
Benzene	ND	2	2	"	"	"	"	"	
Ethylbenzene	ND	0.61	1	"	"	"	"	"	
m,p-Xylene	ND	1.36	2	"	"	"	"	"	
Naphthalene	ND	3.67	5	"	"	"	"	"	
o-Xylene	ND	2	2	"	"	"	"	"	
Toluene	ND	5	5	"	"	"	"	"	
Xylene (Total)	ND	0.77	1	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane - d4	91.8 %				63-136	"	"	"	
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**MW-12GW**  
**3/13/2025 2:00:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-02 (Water)</b>									
<b>Waypoint Analytical, LLC.</b>									
<b>BTEX by 8260B</b>									
Surrogate: 4-Bromofluorobenzene	83.6 %			71-137		L807122	03/24/2025	03/24/2025	
Surrogate: Dibromofluoromethane	93.6 %			70-128		"	"	"	
Surrogate: Toluene-d8	93.8 %			70-130		"	"	"	

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**MW-13 20FT**  
**3/13/2025 11:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-03 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.823		0.100	mg/L	1	B5C1922	03/19/2025	03/21/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1942	03/19/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	84.8 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1808	03/18/2025	03/19/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %			70-130		"	"	"	
Surrogate: Toluene-d8	117 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	85.3 %			70-130		"	"	"	

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Project Number: C021-074  
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**MW-13 20FT**  
**3/13/2025 11:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-03 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	23.1		0.499	meq/L	10	[CALC]	03/19/2025	03/24/2025	
Magnesium	34.4		0.823	"	"	"	"	"	
Sodium	28.4		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.07			pH Units	1	B5C2016	03/20/2025	03/22/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	5.30		0.0100	SAR	1	B5C1961	03/19/2025	03/24/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	5.82		0.00500	mmhos/cm	1	B5C2016	03/20/2025	03/22/2025	
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	8.04		0.243	mg/kg	10	B5C1838	03/18/2025	03/20/2025	
Barium	54.2		8.37	"	"	"	"	"	
Cadmium	ND		0.0837	"	"	"	"	"	U
Copper	11.6		8.37	"	"	"	"	"	
Lead	11.8		0.837	"	"	"	"	"	
Nickel	9.03		0.837	"	"	"	"	"	
Selenium	0.413		0.218	"	"	"	"	"	

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**MW-13 20FT**  
**3/13/2025 11:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-03 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Silver	ND		0.0837	mg/kg	10	B5C1838	03/18/2025	03/20/2025	U
Zinc	57.2		31.0	"	"	"	"	"	

**Waypoint Analytical, LLC.**

**PAH by 8270D**

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

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**MW-13 20FT**  
**3/13/2025 11:00:00AM**

**E5C0541-03 (Soil)**  
**Waypoint Analytical, LLC.**

**PAH by 8270D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Naphthalene	ND	0.00145	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	58.8 %			33-115		"	"	"	
Surrogate: 4-Terphenyl-d14	81.4 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	59.5 %			29-110		"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808437	03/13/2025	03/31/2025	
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Origins Laboratory

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

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-13GW**  
**3/13/2025 12:15:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-04 (Water)**  
**Origins Laboratory**

**Anions by IC 300.0**

Chloride	188		31.2	mg/L	125	B5C1842	03/18/2025	03/20/2025	
Sulfate	3320		125	"	501	"	"	03/20/2025	

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	4940		5.00	"	1	B5C1493	03/14/2025	03/20/2025	
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**Waypoint Analytical, LLC.**

**BTEX by 8260B**

1,2,4-Trimethylbenzene	ND	0.86	1	µg/L	1	L807122	03/24/2025	03/24/2025	
1,3,5-Trimethylbenzene	ND	0.76	1	"	"	"	"	"	
Benzene	ND	2	2	"	"	"	"	"	
Ethylbenzene	ND	0.61	1	"	"	"	"	"	
m,p-Xylene	ND	1.36	2	"	"	"	"	"	
Naphthalene	ND	3.67	5	"	"	"	"	"	
o-Xylene	ND	2	2	"	"	"	"	"	
Toluene	ND	5	5	"	"	"	"	"	
Xylene (Total)	ND	0.77	1	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane - d4	90 %				63-136	"	"	"	
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Origins Laboratory



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

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-13GW**  
**3/13/2025 12:15:00PM**

Detection Reporting  
 Limit Limit  
 Units Dilution Batch Prepared Analyzed Notes

**E5C0541-04 (Water)**  
**Waypoint Analytical, LLC.**

**BTEX by 8260B**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Surrogate: 4-Bromofluorobenzene	83.2 %			71-137		L807122	03/24/2025	03/24/2025	
Surrogate: Dibromofluoromethane	92.4 %			70-128		"	"	"	
Surrogate: Toluene-d8	92.2 %			70-130		"	"	"	

Origins Laboratory

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Fremont Environmental  
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 Wellington CO 80549

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-13 25FT**  
**3/13/2025 11:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-05 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.595		0.101	mg/L	1	B5C1922	03/19/2025	03/21/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1942	03/19/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	77.2 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1808	03/18/2025	03/19/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	111 %			70-130		"	"	"	
Surrogate: Toluene-d8	118 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	86.6 %			70-130		"	"	"	

Origins Laboratory

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

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-13 25FT**  
**3/13/2025 11:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-05 (Soil)**  
**Origins Laboratory**

**Metals by Saturated Paste by EPA 6010**

Calcium	21.3		0.499	meq/L	10	[CALC]	03/19/2025	03/24/2025	
Magnesium	22.3		0.823	"	"	"	"	"	
Sodium	16.3		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.09			pH Units	1	B5C2016	03/20/2025	03/22/2025	
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**SAR by 20B Saturated Paste**

SAR	3.50		0.0100	SAR	1	B5C1961	03/19/2025	03/24/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	4.14		0.00500	mmhos/cm	1	B5C2016	03/20/2025	03/22/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	3.47		0.288	mg/kg	10	B5C1838	03/18/2025	03/20/2025	
Barium	62.5		9.93	"	"	"	"	"	
Cadmium	ND		0.0993	"	"	"	"	"	U
Copper	ND		9.93	"	"	"	"	"	U
Lead	6.09		0.993	"	"	"	"	"	
Nickel	8.71		0.993	"	"	"	"	"	
Selenium	ND		0.258	"	"	"	"	"	U

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

Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

**MW-13 25FT**  
**3/13/2025 11:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-05 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Silver	ND		0.0993	mg/kg	10	B5C1838	03/18/2025	03/20/2025	U
Zinc	42.9		36.7	"	"	"	"	"	

**Waypoint Analytical, LLC.**

**PAH by 8270D**

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

Origins Laboratory



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Fremont Environmental  
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 Wellington CO 80549

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-13 25FT**  
**3/13/2025 11:15:00AM**

**E5C0541-05 (Soil)**  
**Waypoint Analytical, LLC.**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>PAH by 8270D</b>									
Naphthalene	ND	0.00145	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	47.5 %			33-115		"	"	"	
Surrogate: 4-Terphenyl-d14	72.1 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	49.7 %			29-110		"	"	"	
<b>Total Metals by 7196A</b>									
Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808437	03/13/2025	03/31/2025	

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Fremont Environmental  
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Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-12 22FT**  
**3/13/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-06 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.435		0.102	mg/L	1	B5C1922	03/19/2025	03/21/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1942	03/19/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	90.0 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1808	03/18/2025	03/19/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	114 %			70-130		"	"	"	
Surrogate: Toluene-d8	115 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	86.1 %			70-130		"	"	"	

Origins Laboratory

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

Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

**MW-12 22FT**  
**3/13/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-06 (Soil)**  
**Origins Laboratory**

**Metals by Saturated Paste by EPA 6010**

Calcium	21.2		0.499	meq/L	10	[CALC]	03/19/2025	03/24/2025	
Magnesium	15.0		0.823	"	"	"	"	"	
Sodium	8.44		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	7.98			pH Units	1	B5C2016	03/20/2025	03/22/2025	
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**SAR by 20B Saturated Paste**

SAR	1.98		0.0100	SAR	1	B5C1961	03/19/2025	03/24/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.16		0.00500	mmhos/cm	1	B5C2016	03/20/2025	03/22/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	5.10		0.278	mg/kg	10	B5C1838	03/18/2025	03/20/2025	
Barium	16.0		9.57	"	"	"	"	"	
Cadmium	ND		0.0957	"	"	"	"	"	U
Copper	ND		9.57	"	"	"	"	"	U
Lead	4.70		0.957	"	"	"	"	"	
Nickel	4.88		0.957	"	"	"	"	"	
Selenium	ND		0.249	"	"	"	"	"	U

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Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-12 22FT**  
**3/13/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0541-06 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Silver	ND		0.0957	mg/kg	10	B5C1838	03/18/2025	03/20/2025	U
Zinc	ND		35.4	"	"	"	"	"	U

**Waypoint Analytical, LLC.**

**PAH by 8270D**

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

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 8305 6th St, PO Box 1289  
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Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**MW-12 22FT**  
**3/13/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5C0541-06 (Soil)</b>									
<b>Waypoint Analytical, LLC.</b>									
<b>PAH by 8270D</b>									
Naphthalene	ND	0.00145	0.00201	mg/Kg	1	L807352	03/25/2025	03/27/2025	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	49.1 %					33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.1 %					33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.8 %					29-110	"	"	"
<b>Total Metals by 7196A</b>									
Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808437	03/13/2025	03/31/2025	

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8305 6th St, PO Box 1289  
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Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

**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 B5C1493 - NO PREP**

<b>Blank (B5C1493-BLK1)</b>										
					Prepared: 03/14/2025 Analyzed: 03/20/2025					
Total Dissolved Solids	ND	5.00	mg/L							U
<b>LCS (B5C1493-BS1)</b>										
					Prepared: 03/14/2025 Analyzed: 03/20/2025					
Total Dissolved Solids	974	5.00	mg/L	1000		97.4	90-110			
<b>Duplicate (B5C1493-DUP1)</b>										
					Source: E5C0531-23 Prepared: 03/14/2025 Analyzed: 03/20/2025					
Total Dissolved Solids	1230	5.00	mg/L		1320			6.90	10	

**Batch B5C1842 - Filter .45um non acidified**

<b>Blank (B5C1842-BLK1)</b>										
					Prepared: 03/18/2025 Analyzed: 03/20/2025					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
<b>LCS (B5C1842-BS1)</b>										
					Prepared: 03/18/2025 Analyzed: 03/20/2025					
Chloride	3.97	0.250	mg/L	4.00		99.3	90-110			
Sulfate	4.01	0.250	"	4.00		100	90-110			
<b>Matrix Spike (B5C1842-MS1)</b>										
					Source: E5C0492-12 Prepared: 03/18/2025 Analyzed: 03/20/2025					
Chloride	746		mg/L	500	237	102	90-110			
Sulfate	2770		"	500	2390	76.2	90-110			QM-07
<b>Matrix Spike Dup (B5C1842-MSD1)</b>										
					Source: E5C0492-12 Prepared: 03/18/2025 Analyzed: 03/20/2025					
Chloride	751		mg/L	500	237	103	90-110	0.738	5	
Sulfate	2800		"	500	2390	80.8	90-110	0.823	5	QM-07

Origins Laboratory

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Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**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 B5C1922 - DTPA Sorbitol Preparation**

<b>Blank (B5C1922-BLK1)</b>					Prepared: 03/19/2025 Analyzed: 03/21/2025					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B5C1922-DUP1)</b>					Source: E5C0537-23 Prepared: 03/19/2025 Analyzed: 03/21/2025					
Boron	0.167	0.0992	mg/L		0.200			18.2	50	

**Batch B5C1961 - Saturated Paste Metals**

<b>Blank (B5C1961-BLK1)</b>					Prepared: 03/19/2025 Analyzed: 03/24/2025					
SAR	ND	0.0100	SAR							U
<b>Duplicate (B5C1961-DUP1)</b>					Source: E5C0537-13 Prepared: 03/19/2025 Analyzed: 03/24/2025					
SAR	ND	0.0100	SAR		0.501				200	U

Origins Laboratory

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 Wellington CO 80549

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B5C1942 - EPA 3550B</b>										
<b>Blank (B5C1942-BLK1)</b>										
					Prepared: 03/19/2025 Analyzed: 03/21/2025					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	45		"	49.8		91.4	50-150			
<b>LCS (B5C1942-BS1)</b>										
					Prepared: 03/19/2025 Analyzed: 03/21/2025					
Diesel (C10-C28)	487	25.0	mg/kg	500		97.5	70-130			
Residual Range Organics (C28-C40)	509	100	"	500		102	70-130			
Surrogate: o-Terphenyl	24		"	24.9		97.2	50-150			
<b>Matrix Spike (B5C1942-MS1)</b>										
		<b>Source: E5C0534-05</b>			Prepared: 03/19/2025 Analyzed: 03/21/2025					
Diesel (C10-C28)	926	50.0	mg/kg	1000	ND	92.6	70-130			
Residual Range Organics (C28-C40)	990	200	"	1000	ND	99.0	70-130			
Surrogate: o-Terphenyl	46		"	49.8		91.9	50-150			
<b>Matrix Spike Dup (B5C1942-MSD1)</b>										
		<b>Source: E5C0534-05</b>			Prepared: 03/19/2025 Analyzed: 03/21/2025					
Diesel (C10-C28)	925	50.0	mg/kg	1000	ND	92.5	70-130	0.0721	35	
Residual Range Organics (C28-C40)	991	200	"	1000	ND	99.1	70-130	0.185	35	
Surrogate: o-Terphenyl	46		"	49.8		92.4	50-150			

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

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**Metals by EPA 6000/7000 Series Methods - 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 B5C1838 - EPA 3050B**

**Blank (B5C1838-BLK1)**

Prepared: 03/18/2025 Analyzed: 03/20/2025

Arsenic	ND	0.290	mg/kg							U
Barium	ND	10.0	"							U
Cadmium	ND	0.100	"							U
Copper	ND	10.0	"							U
Lead	ND	1.00	"							U
Nickel	ND	1.00	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.100	"							U
Zinc	ND	37.0	"							U

**LCS (B5C1838-BS1)**

Prepared: 03/18/2025 Analyzed: 03/20/2025

Arsenic	5.40	0.290	mg/kg	5.00		108	80-120			
Barium	527	10.0	"	500		105	80-120			
Cadmium	5.36	0.100	"	5.00		107	80-120			
Copper	50.1	10.0	"	50.0		100	80-120			
Lead	5.26	1.00	"	5.00		105	80-120			
Nickel	5.01	1.00	"	5.00		100	80-120			
Selenium	5.35	0.260	"	5.00		107	80-120			
Silver	5.34	0.100	"	5.00		107	80-120			
Zinc	54.4	37.0	"	50.0		109	80-120			

**Matrix Spike (B5C1838-MS1)**

Source: E5C0491-01

Prepared: 03/18/2025 Analyzed: 03/20/2025

Arsenic	10.5	0.250	mg/kg	4.32	5.71	111	75-125			
Barium	617	8.64	"	432	119	115	75-125			
Cadmium	5.03	0.0864	"	4.32	0.208	112	75-125			
Copper	61.5	8.64	"	43.2	14.0	110	75-125			
Lead	16.7	0.864	"	4.32	11.3	125	75-125			

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 Wellington CO 80549

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**Metals by EPA 6000/7000 Series Methods - 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 B5C1838 - EPA 3050B**

**Matrix Spike (B5C1838-MS1)**

**Source: E5C0491-01**

Prepared: 03/18/2025 Analyzed: 03/20/2025

Nickel	21.5	0.864	mg/kg	4.32	16.4	118	75-125			
Selenium	4.77	0.225	"	4.32	0.125	108	75-125			
Silver	4.73	0.0864	"	4.32	0.0577	108	75-125			
Zinc	114	32.0	"	43.2	61.3	122	75-125			

**Matrix Spike Dup (B5C1838-MSD1)**

**Source: E5C0491-01**

Prepared: 03/18/2025 Analyzed: 03/20/2025

Arsenic	11.8	0.287	mg/kg	4.95	5.71	122	75-125	11.4	20	
Barium	718	9.91	"	495	119	121	75-125	15.1	20	
Cadmium	6.06	0.0991	"	4.95	0.208	118	75-125	18.6	20	
Copper	72.1	9.91	"	49.5	14.0	117	75-125	15.8	20	
Lead	18.0	0.991	"	4.95	11.3	136	75-125	7.68	20	QM-07
Nickel	23.3	0.991	"	4.95	16.4	141	75-125	8.46	20	QM-07
Selenium	5.51	0.258	"	4.95	0.125	109	75-125	14.3	20	
Silver	5.65	0.0991	"	4.95	0.0577	113	75-125	17.8	20	
Zinc	123	36.7	"	49.5	61.3	124	75-125	7.46	20	

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Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**Saturated Paste - 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 B5C2016 - Saturated Paste pH/EC**

**Blank (B5C2016-BLK1)**

Prepared: 03/20/2025 Analyzed: 03/22/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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**Duplicate (B5C2016-DUP1)**

**Source: E5C0537-13**

Prepared: 03/20/2025 Analyzed: 03/22/2025

Specific Conductance (EC)	0.319	0.00500	mmhos/cm		0.326			2.17	25	
pH	8.32		pH Units		8.37			0.599	25	

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Wellington CO 80549

Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

**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 B5C1808 - EPA 5030 (soil)**

**Blank (B5C1808-BLK1)**

Prepared: 03/18/2025 Analyzed: 03/19/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	104	70-130				
Surrogate: Toluene-d8	0.15		"	0.125	123	70-130				
Surrogate: 4-Bromofluorobenzene	0.10		"	0.125	82.8	70-130				

**LCS (B5C1808-BS1)**

Prepared: 03/18/2025 Analyzed: 03/19/2025

1,2,4-Trimethylbenzene	0.117	0.00200	mg/kg	0.100	117	70-130				
1,3,5-Trimethylbenzene	0.120	0.00200	"	0.100	120	70-130				
Benzene	0.0908	0.00200	"	0.100	90.8	70-130				
Ethylbenzene	0.116	0.00200	"	0.100	116	70-130				
Toluene	0.0977	0.00200	"	0.100	97.7	70-130				
o-Xylene	0.117	0.00200	"	0.100	117	70-130				
m,p-Xylene	0.226	0.00400	"	0.200	113	70-130				

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	104	70-130				
Surrogate: Toluene-d8	0.13		"	0.125	104	70-130				
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101	70-130				

**Matrix Spike (B5C1808-MS1)**

**Source: E5C0545-01**

Prepared: 03/18/2025 Analyzed: 03/26/2025

1,2,4-Trimethylbenzene	0.0726	0.00200	mg/kg	0.100	ND	72.6	70-130			
1,3,5-Trimethylbenzene	0.0717	0.00200	"	0.100	ND	71.7	70-130			
Benzene	0.0821	0.00200	"	0.100	ND	82.1	70-130			

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Fremont Environmental  
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Wellington CO 80549

Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

**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 B5C1808 - EPA 5030 (soil)**

**Matrix Spike (B5C1808-MS1)**

Source: E5C0545-01

Prepared: 03/18/2025 Analyzed: 03/26/2025

Ethylbenzene	0.0749	0.00200	mg/kg	0.100	ND	74.9	70-130			
Toluene	0.0790	0.00200	"	0.100	ND	79.0	70-130			
o-Xylene	0.0773	0.00200	"	0.100	ND	77.3	70-130			
m,p-Xylene	0.150	0.00400	"	0.200	ND	74.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.9	70-130			

**Matrix Spike Dup (B5C1808-MSD1)**

Source: E5C0545-01

Prepared: 03/18/2025 Analyzed: 03/19/2025

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130	36.4	20	QR-02
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	37.5	20	QR-02
Benzene	0.0989	0.00200	"	0.100	ND	98.9	70-130	18.6	20	
Ethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130	36.5	20	QR-02
Toluene	0.113	0.00200	"	0.100	ND	113	70-130	35.8	20	QR-02
o-Xylene	0.112	0.00200	"	0.100	ND	112	70-130	37.0	20	QR-02
m,p-Xylene	0.210	0.00400	"	0.200	ND	105	70-130	33.2	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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 Wellington CO 80549

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**BTEX by 8260B - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L807122 - 5030B**

**MSD (L 98532-MSD-L807122)**

**Source: 98532**

Prepared: 03/24/2025 Analyzed: 03/24/2025

o-Xylene	94.9	1	µg/L	100	1.55	93.3	65-142	0.5	30	
Naphthalene	128	5	"	100	98532	128	51-153	23.5	30	
1,2,4-Trimethylbenzene	94.4	1	"	100	4.74	89.6	55-149	2.2	30	
m,p-Xylene	190	2	"	200	3.1	93.4	61-149	1	30	
Ethylbenzene	95.7	1	"	100	0.62	95	65-141	0.5	30	
Benzene	90.2	1	"	100	98532	90.2	58-143	0.5	30	
1,3,5-Trimethylbenzene	91.7	1	"	100	1.55	90.1	57-150	4	30	
Toluene	116	2	"	100	14.8	101	64-145	0.8	30	
Surrogate: Toluene-d8	95.8		"	50	48.5	95.8	70-130			
Surrogate: Dibromofluoromethane	90.6		"	50	45.1	90.6	70-128			
Surrogate: 4-Bromofluorobenzene	80.4		"	50	40.8	80.4	71-137			
Surrogate: 1,2-Dichloroethane - d4	87.8		"	50	43.7	87.8	63-136			

**MS (L 98532-MS-L807122)**

**Source: 98532**

Prepared: 03/24/2025 Analyzed: 03/24/2025

1,3,5-Trimethylbenzene	95.5	1	µg/L	100	1.55	93.9	57-150			
m,p-Xylene	192	2	"	200	3.1	94.4	61-149			
Toluene	117	2	"	100	14.8	102	64-145			
o-Xylene	95.4	1	"	100	1.55	93.8	65-142			
Naphthalene	101	5	"	100	98532	101	51-153			
Ethylbenzene	96.2	1	"	100	0.62	95.5	65-141			
1,2,4-Trimethylbenzene	96.5	1	"	100	4.74	91.7	55-149			
Benzene	89.7	1	"	100	98532	89.7	58-143			
Surrogate: Toluene-d8	97.4		"	50	48.5	97.4	70-130			
Surrogate: Dibromofluoromethane	90.8		"	50	45.1	90.8	70-128			
Surrogate: 4-Bromofluorobenzene	80		"	50	40.8	80	71-137			
Surrogate: 1,2-Dichloroethane - d4	86.2		"	50	43.7	86.2	63-136			

**LCS (LCS-L807122)**

Prepared: 03/24/2025 Analyzed: 03/24/2025

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

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**BTEX by 8260B - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L807122 - 5030B**

**LCS (LCS-L807122)**

Prepared: 03/24/2025 Analyzed: 03/24/2025

m,p-Xylene	191	2	µg/L	200		95.5	75-125			
1,2,4-Trimethylbenzene	93.3	1	"	100		93.3	65-135			
Toluene	95.6	2	"	100		95.6	80-120			
o-Xylene	93.5	1	"	100		93.5	70-130			
Naphthalene	97.7	5	"	100		97.7	55-145			
Benzene	95.4	1	"	100		95.4	70-130			
Ethylbenzene	95.6	1	"	100		95.6	80-120			
1,3,5-Trimethylbenzene	94.8	1	"	100		94.8	75-125			
Surrogate: Toluene-d8	92.4		"	50		92.4	70-130			
Surrogate: Dibromofluoromethane	84.8		"	50		84.8	70-128			
Surrogate: 4-Bromofluorobenzene	77.6		"	50		77.6	71-137			
Surrogate: 1,2-Dichloroethane - d4	81.4		"	50		81.4	63-136			

**LRB (LRB-L807122)**

Prepared: 03/24/2025 Analyzed: 03/24/2025

1,3,5-Trimethylbenzene	ND	1	µg/L				-			
Toluene	ND	2	"				-			
o-Xylene	ND	1	"				-			
Naphthalene	ND	5	"				-			
m,p-Xylene	ND	2	"				-			
Ethylbenzene	ND	1	"				-			
1,2,4-Trimethylbenzene	ND	1	"				-			
Benzene	ND	1	"				-			
Surrogate: Toluene-d8	91.8		"	50		91.8	70-130			
Surrogate: Dibromofluoromethane	92		"	50		92	70-128			
Surrogate: 4-Bromofluorobenzene	82.2		"	50		82.2	71-137			
Surrogate: 1,2-Dichloroethane - d4	87.8		"	50		87.8	63-136			

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Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**PAH by 8270D - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L807352 - 3550B

**MSD (L 96233-MSD-L807352)**

Source: 96233

Prepared: 03/25/2025 Analyzed: 03/27/2025

Benzo(a)pyrene	0.105	0.00067	mg/Kg	0.167	96233	62.8	30-130	4.8	30	
Dibenz(a,h)anthracene	0.102	0.00067	"	0.167	96233	61	30-130	0	30	
Pyrene	0.102	0.00067	"	0.167	96233	61	30-130	5.1	30	
Naphthalene	0.0851	0.00201	"	0.167	96233	50.9	30-130	7.1	30	
Indeno(1,2,3-cd)pyrene	0.0929	0.00067	"	0.167	96233	55.6	30-130	4.6	30	
Fluoranthene	0.106	0.00067	"	0.167	96233	63.4	30-130	5.8	30	
Chrysene	0.0793	0.00067	"	0.167	96233	47.4	30-130	19	30	
Benzo(k)fluoranthene	0.0962	0.00067	"	0.167	96233	57.6	30-130	4.4	30	
Benzo(b)fluoranthene	0.101	0.00067	"	0.167	96233	60.4	30-130	7.2	30	
1-Methylnaphthalene	0.0873	0.00201	"	0.167	96233	52.2	30-130	6	30	
Fluorene	0.0958	0.00067	"	0.167	96233	57.3	30-130	5.9	30	
Anthracene	0.0941	0.00067	"	0.167	96233	56.3	30-130	6.9	30	
2-Methylnaphthalene	0.0919	0.00201	"	0.167	96233	55	30-130	8.2	30	
Acenaphthene	0.0904	0.00067	"	0.167	96233	54.1	30-130	6.8	30	
Benzo(a)anthracene	0.112	0.00067	"	0.167	96233	67	30-130	4.5	30	
Surrogate: Nitrobenzene-d5	62.1		%	0.333	156	62.1	29-110			
Surrogate: 2-Fluorobiphenyl	56.7		"	0.333	173	56.7	33-115			
Surrogate: 4-Terphenyl-d14	78.6		"	0.333	235	78.6	33-122			

**MS (L 96233-MS-L807352)**

Source: 96233

Prepared: 03/25/2025 Analyzed: 03/27/2025

Benzo(b)fluoranthene	0.0939	0.00067	mg/Kg	0.164	96233	57.2	30-130			
2-Methylnaphthalene	0.0846	0.00201	"	0.164	96233	51.5	30-130			
Indeno(1,2,3-cd)pyrene	0.0973	0.00067	"	0.164	96233	59.3	30-130			
Fluorene	0.0903	0.00067	"	0.164	96233	55	30-130			
Fluoranthene	0.1	0.00067	"	0.164	96233	60.9	30-130			
Dibenz(a,h)anthracene	0.102	0.00067	"	0.164	96233	62.1	30-130			
Chrysene	0.096	0.00067	"	0.164	96233	58.5	30-130			

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Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**PAH by 8270D - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L807352 - 3550B**

**MS (L 96233-MS-L807352)**

**Source: 96233**

Prepared: 03/25/2025 Analyzed: 03/27/2025

Benzo(k)fluoranthene	0.092	0.00067	mg/Kg	0.164	96233	56	30-130			
Naphthalene	0.0792	0.00201	"	0.164	96233	48.2	30-130			
Benzo(a)anthracene	0.107	0.00067	"	0.164	96233	65.2	30-130			
Anthracene	0.0878	0.00067	"	0.164	96233	53.5	30-130			
Pyrene	0.0969	0.00067	"	0.164	96233	59	30-130			
1-Methylnaphthalene	0.0822	0.00201	"	0.164	96233	50.1	30-130			
Benzo(a)pyrene	0.1	0.00067	"	0.164	96233	60.9	30-130			
Acenaphthene	0.0844	0.00067	"	0.164	96233	51.4	30-130			

Surrogate: Nitrobenzene-d5	50.9		%	0.328	156	50.9	29-110			
Surrogate: 4-Terphenyl-d14	73.7		"	0.328	235	73.7	33-122			
Surrogate: 2-Fluorobiphenyl	46.6		"	0.328	173	46.6	33-115			

**LCS (LCS-L807352)**

Prepared: 03/25/2025 Analyzed: 03/27/2025

Benzo(k)fluoranthene	0.0872	0.00067	mg/Kg	0.167		52.2	30-130			
Chrysene	0.0921	0.00067	"	0.167		55.1	30-130			
Dibenz(a,h)anthracene	0.099	0.00067	"	0.167		59.2	30-130			
Fluoranthene	0.0979	0.00067	"	0.167		58.6	30-130			
Fluorene	0.0893	0.00067	"	0.167		53.4	30-130			
Pyrene	0.0928	0.00067	"	0.167		55.5	30-130			
Naphthalene	0.0821	0.00201	"	0.167		49.1	30-130			
Benzo(b)fluoranthene	0.0929	0.00067	"	0.167		55.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0917	0.00067	"	0.167		54.9	30-130			
Benzo(a)anthracene	0.102	0.00067	"	0.167		61	30-130			
Anthracene	0.0863	0.00067	"	0.167		51.6	30-130			
Acenaphthene	0.0852	0.00067	"	0.167		51	30-130			
2-Methylnaphthalene	0.0857	0.00201	"	0.167		51.3	30-130			
1-Methylnaphthalene	0.0835	0.00201	"	0.167		50	30-130			

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

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**PAH by 8270D - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L807352 - 3550B**

**LCS (LCS-L807352)**

Prepared: 03/25/2025 Analyzed: 03/27/2025

Benzo(a)pyrene	0.0967	0.00067	mg/Kg	0.167		57.9	30-130			
Surrogate: Nitrobenzene-d5	65.4		%	0.333		65.4	29-110			
Surrogate: 4-Terphenyl-d14	76.5		"	0.333		76.5	33-122			
Surrogate: 2-Fluorobiphenyl	59.4		"	0.333		59.4	33-115			

**LRB (LRB-L807352)**

Prepared: 03/25/2025 Analyzed: 03/27/2025

Benzo(b)fluoranthene	ND	0.00067	mg/Kg				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	70.8		%	0.333		70.8	29-110			
Surrogate: 4-Terphenyl-d14	80.1		"	0.333		80.1	33-122			
Surrogate: 2-Fluorobiphenyl	67.2		"	0.333		67.2	33-115			

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 Wellington CO 80549

Ethan Black  
 Project Number: C021-074  
 Project: Chevron - Harper Kona

**Total Metals by 7196A - Quality Control  
 Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L808437 -</b>										
<b>DUP (L 95795-DUP)</b>										
		<b>Source: 95795</b>			Prepared: Analyzed: 03/31/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg		95795	-		0	20	
<b>MS (L 95795-MS)</b>										
		<b>Source: 95795</b>			Prepared: Analyzed: 03/31/2025					
Chromium, Hexavalent	32.4	2.5	mg/Kg	39.6	95795	82	75-125			
<b>LCS (LCS)</b>										
					Prepared: Analyzed: 03/31/2025					
Chromium, Hexavalent	7.26	0.5	mg/Kg	8		91	75-125			
<b>LRB (LRB)</b>										
					Prepared: Analyzed: 03/31/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Ethan Black  
Project Number: C021-074  
Project: Chevron - Harper Kona

## Notes and Definitions

- U Sample is Non-Detect.
  - QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
  - 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.

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