



Tasman Geosciences

Mike Medina

6855 West 119th Avenue

Broomfield CO 80020

March 27, 2025

Project Name - Chevron - Foss 06-35 Flowline

Project Number - [none]

Attached are your analytical results for Chevron - Foss 06-35 Flowline received by Origins Laboratory March 12, 2025. This project is associated with Origins project number E5C0403-01.

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



Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL01R-W@3'	E5C0403-01	Soil	March 12, 2025 10:10	03/12/2025 15:14
FL01-02@4'	E5C0403-02	Soil	March 12, 2025 10:20	03/12/2025 15:14
FL01-05@3'	E5C0403-03	Soil	March 12, 2025 10:45	03/12/2025 15:14
FL01-07@4'	E5C0403-04	Soil	March 12, 2025 11:05	03/12/2025 15:14
FL01R-S@2'	E5C0403-05	Soil	March 12, 2025 11:47	03/12/2025 15:14
FL02R-W@3'	E5C0403-06	Soil	March 12, 2025 12:55	03/12/2025 15:14
FL02-01@4'	E5C0403-07	Soil	March 12, 2025 11:25	03/12/2025 15:14
FL02R-S@2'	E5C0403-08	Soil	March 12, 2025 12:10	03/12/2025 15:14

Origins Laboratory

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ORIGINS LABORATORY

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Medina
Project Number: [none]
Project: Chevron - Foss 06-35 Flowline

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

Sample Receipt Checklist

Origins Work Order: E9C0403 Client: Tasman/Noble
 Checklist Completed by: NKM/NKM Client Project ID: Foss 06-35 Flowline
 Date/time completed: 03/12/25 Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 / 4.8 °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 ^{(1)?}	<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 ^{(1)?}	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ^{(1)?}	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ^{(1)?}	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ^{(1)?}	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ^{(1)?}	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ^{(1)?}	<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 ^{(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 HNO3; HCL, H2SO4) / (pH > 10 for samples preserved with NaOH, NaOCl, ZnAc, NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) _____

3/14/25
Date/Time Reviewed

Origins Laboratory



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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01R-W@3'
3/12/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-01 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	ND	0.00119	0.00360	mg/kg dry	1	2767552	03/19/2025	03/20/2025	U
2-Methylnaphthalene	ND	0.00119	0.00360	"	"	"	"	"	U
Acenaphthene	ND	0.00119	0.00360	"	"	"	"	"	U
Anthracene	0.00252	0.00119	0.00360	"	"	"	"	"	J
Benzo(a)anthracene	0.00649	0.00119	0.00360	"	"	"	"	"	
Benzo(a)pyrene	0.00649	0.00119	0.00360	"	"	"	"	"	
Benzo(b)fluoranthene	0.00793	0.00119	0.00360	"	"	"	"	"	
Benzo(k)fluoranthene	0.00252	0.00119	0.00360	"	"	"	"	"	J
Chrysene	0.00721	0.00119	0.00360	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.00119	0.00360	"	"	"	"	"	U
Fluoranthene	0.0162	0.00119	0.00360	"	"	"	"	"	
Fluorene	ND	0.00119	0.00360	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	0.00396	0.00119	0.00360	"	"	"	"	"	
Naphthalene	ND	0.00119	0.00360	"	"	"	"	"	U
Pyrene	0.0137	0.00119	0.00360	"	"	"	"	"	
Surrogate: 5-alpha-Androstane	82 %			22-135		"	"	"	
Total Metals 7196A									
Hexavalent Chromium	ND	0.168	0.419	mg/kg dry	1	2768731	03/25/2025	03/26/2025	U

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01R-W@3'
3/12/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.377		0.100	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/20/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	88.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/15/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	108 %			70-130		"	"	"	
Surrogate: Toluene-d8	95.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %			70-130		"	"	"	

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FL01R-W@3'
3/12/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-01 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	3.49		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	2.15		0.823	"	"	"	"	"	
Sodium	4.17		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.20			pH Units	1	B5C1323	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	2.49		0.0100	SAR	1	B5C1317	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.03		0.00500	mmhos/cm	1	B5C1323	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.33		0.266	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	49.8		9.18	"	"	"	"	"	
Cadmium	0.115		0.0918	"	"	"	"	"	
Copper	ND		9.18	"	"	"	"	"	
Lead	5.13		0.918	"	"	"	"	"	
Nickel	5.45		0.918	"	"	"	"	"	
Selenium	ND		0.239	"	"	"	"	"	

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FL01R-W@3'
3/12/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0918	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Zinc	ND		34.0	"	"	"	"	"	

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FL01-02@4'
3/12/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-02 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	ND	0.00128	0.00387	mg/kg dry	1	2767552	03/19/2025	03/20/2025	U
2-Methylnaphthalene	ND	0.00128	0.00387	"	"	"	"	"	U
Acenaphthene	ND	0.00128	0.00387	"	"	"	"	"	U
Anthracene	ND	0.00128	0.00387	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00128	0.00387	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00128	0.00387	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00128	0.00387	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00128	0.00387	"	"	"	"	"	U
Chrysene	ND	0.00128	0.00387	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00128	0.00387	"	"	"	"	"	U
Fluoranthene	ND	0.00128	0.00387	"	"	"	"	"	U
Fluorene	ND	0.00128	0.00387	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00128	0.00387	"	"	"	"	"	U
Naphthalene	ND	0.00128	0.00387	"	"	"	"	"	U
Pyrene	ND	0.00128	0.00387	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	88 %			22-135		"	"	"	
Total Metals 7196A									
Hexavalent Chromium	ND	0.134	0.336	mg/kg dry	1	2768731	03/25/2025	03/26/2025	U

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Mike Medina
Project Number: [none]
Project: Chevron - Foss 06-35 Flowline

FL01-02@4'

3/12/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.575		0.100	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/19/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	115 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/15/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	94.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.2 %			70-130		"	"	"	

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-02@4'

3/12/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	3.74		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	3.46		0.823	"	"	"	"	"	
Sodium	11.3		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.32			pH Units	1	B5C1323	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	5.95		0.0100	SAR	1	B5C1317	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.74		0.00500	mmhos/cm	1	B5C1323	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.06		0.251	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	37.8		8.67	"	"	"	"	"	
Cadmium	ND		0.0867	"	"	"	"	"	
Copper	ND		8.67	"	"	"	"	"	
Lead	4.84		0.867	"	"	"	"	"	
Nickel	4.77		0.867	"	"	"	"	"	
Selenium	ND		0.225	"	"	"	"	"	

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-02@4'

3/12/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0403-02 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Silver	ND		0.0867	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Zinc	ND		32.1	"	"	"	"	"	

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-05@3'
3/12/2025 10:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-03 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	ND	0.00117	0.00355	mg/kg dry	1	2767552	03/19/2025	03/20/2025	U
2-Methylnaphthalene	ND	0.00117	0.00355	"	"	"	"	"	U
Acenaphthene	ND	0.00117	0.00355	"	"	"	"	"	U
Anthracene	0.00178	0.00117	0.00355	"	"	"	"	"	J
Benzo(a)anthracene	0.00320	0.00117	0.00355	"	"	"	"	"	J
Benzo(a)pyrene	0.00249	0.00117	0.00355	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00320	0.00117	0.00355	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00117	0.00355	"	"	"	"	"	U
Chrysene	0.00284	0.00117	0.00355	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.00117	0.00355	"	"	"	"	"	U
Fluoranthene	0.00853	0.00117	0.00355	"	"	"	"	"	U
Fluorene	ND	0.00117	0.00355	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00117	0.00355	"	"	"	"	"	U
Naphthalene	ND	0.00117	0.00355	"	"	"	"	"	U
Pyrene	0.00675	0.00117	0.00355	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	74 %			22-135		"	"	"	
Total Metals 7196A									
Hexavalent Chromium	ND	0.133	0.333	mg/kg dry	1	2768731	03/25/2025	03/26/2025	U

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 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-05@3'

3/12/2025 10:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-03 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.345		0.102	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/19/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	121 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/15/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	140 %			70-130		"	"	"	
Surrogate: Toluene-d8	94.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	96.8 %			70-130		"	"	"	

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-05@3'

3/12/2025 10:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-03 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	7.37		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	6.47		0.823	"	"	"	"	"	
Sodium	7.80		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.16			pH Units	1	B5C1323	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	2.97		0.0100	SAR	1	B5C1317	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.83		0.00500	mmhos/cm	1	B5C1323	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.53		0.265	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	52.0		9.12	"	"	"	"	"	
Cadmium	ND		0.0912	"	"	"	"	"	
Copper	ND		9.12	"	"	"	"	"	
Lead	5.61		0.912	"	"	"	"	"	
Nickel	5.97		0.912	"	"	"	"	"	
Selenium	ND		0.237	"	"	"	"	"	

Origins Laboratory

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




Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-05@3'
3/12/2025 10:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-03 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0912	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Zinc	ND		33.7	"	"	"	"	"	

Origins Laboratory


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



Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-07@4'
3/12/2025 11:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-04 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	ND	0.00116	0.00351	mg/kg dry	1	2767552	03/19/2025	03/20/2025	U
2-Methylnaphthalene	ND	0.00116	0.00351	"	"	"	"	"	U
Acenaphthene	ND	0.00116	0.00351	"	"	"	"	"	U
Anthracene	0.00807	0.00116	0.00351	"	"	"	"	"	
Benzo(a)anthracene	0.0189	0.00116	0.00351	"	"	"	"	"	
Benzo(a)pyrene	0.0168	0.00116	0.00351	"	"	"	"	"	
Benzo(b)fluoranthene	0.0186	0.00116	0.00351	"	"	"	"	"	
Benzo(k)fluoranthene	0.0133	0.00116	0.00351	"	"	"	"	"	
Chrysene	0.0189	0.00116	0.00351	"	"	"	"	"	
Dibenzo(a,h)anthracene	0.0112	0.00116	0.00351	"	"	"	"	"	
Fluoranthene	0.0330	0.00116	0.00351	"	"	"	"	"	
Fluorene	0.00246	0.00116	0.00351	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0137	0.00116	0.00351	"	"	"	"	"	
Naphthalene	ND	0.00116	0.00351	"	"	"	"	"	U
Pyrene	0.0291	0.00116	0.00351	"	"	"	"	"	
Surrogate: 5-alpha-Androstane	88 %			22-135	"	"	"	"	
Total Metals 7196A									
Hexavalent Chromium	ND	0.141	0.352	mg/kg dry	1	2768731	03/25/2025	03/26/2025	U

Origins Laboratory

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



Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-07@4'

3/12/2025 11:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-04 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.294		0.0998	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/19/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	90.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/15/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	95.8 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %			70-130		"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-07@4'

3/12/2025 11:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-04 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	7.48		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	5.64		0.823	"	"	"	"	"	
Sodium	12.2		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.21			pH Units	1	B5C1324	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	4.78		0.0100	SAR	1	B5C1318	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.21		0.00500	mmhos/cm	1	B5C1324	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.58		0.273	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	57.2		9.41	"	"	"	"	"	
Cadmium	ND		0.0941	"	"	"	"	"	
Copper	ND		9.41	"	"	"	"	"	
Lead	4.07		0.941	"	"	"	"	"	
Nickel	3.97		0.941	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01-07@4'

3/12/2025 11:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-04 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0941	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Zinc	ND		34.8	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01R-S@2'
3/12/2025 11:47:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-05 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	ND	0.00118	0.00357	mg/kg dry	1	2767552	03/19/2025	03/20/2025	U
2-Methylnaphthalene	ND	0.00118	0.00357	"	"	"	"	"	U
Acenaphthene	ND	0.00118	0.00357	"	"	"	"	"	U
Anthracene	ND	0.00118	0.00357	"	"	"	"	"	U
Benzo(a)anthracene	0.00250	0.00118	0.00357	"	"	"	"	"	J
Benzo(a)pyrene	0.00250	0.00118	0.00357	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00286	0.00118	0.00357	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00118	0.00357	"	"	"	"	"	U
Chrysene	0.00214	0.00118	0.00357	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.00118	0.00357	"	"	"	"	"	U
Fluoranthene	0.00429	0.00118	0.00357	"	"	"	"	"	U
Fluorene	ND	0.00118	0.00357	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00118	0.00357	"	"	"	"	"	U
Naphthalene	ND	0.00118	0.00357	"	"	"	"	"	U
Pyrene	0.00393	0.00118	0.00357	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	86 %			22-135		"	"	"	
Total Metals 7196A									
Hexavalent Chromium	ND	0.112	0.279	mg/kg dry	1	2768731	03/25/2025	03/26/2025	U

Origins Laboratory

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



Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01R-S@2'
3/12/2025 11:47:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-05 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.102	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/19/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	98.8 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/15/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	94.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %			70-130		"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01R-S@2'
3/12/2025 11:47:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-05 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.45		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.23			pH Units	1	B5C1324	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	0.0567		0.0100	SAR	1	B5C1318	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.201		0.00500	mmhos/cm	1	B5C1324	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.25		0.288	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	53.6		9.92	"	"	"	"	"	
Cadmium	0.105		0.0992	"	"	"	"	"	
Copper	ND		9.92	"	"	"	"	"	
Lead	5.30		0.992	"	"	"	"	"	
Nickel	4.47		0.992	"	"	"	"	"	
Selenium	ND		0.258	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL01R-S@2'
3/12/2025 11:47:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-05 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0992	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Zinc	ND		36.7	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02R-W@3'
3/12/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-06 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	ND	0.00116	0.00352	mg/kg dry	1	2767552	03/19/2025	03/20/2025	U
2-Methylnaphthalene	0.00211	0.00116	0.00352	"	"	"	"	"	J
Acenaphthene	0.00774	0.00116	0.00352	"	"	"	"	"	
Anthracene	0.0211	0.00116	0.00352	"	"	"	"	"	
Benzo(a)anthracene	0.0225	0.00116	0.00352	"	"	"	"	"	
Benzo(a)pyrene	0.0165	0.00116	0.00352	"	"	"	"	"	
Benzo(b)fluoranthene	0.0208	0.00116	0.00352	"	"	"	"	"	
Benzo(k)fluoranthene	0.00774	0.00116	0.00352	"	"	"	"	"	
Chrysene	0.0229	0.00116	0.00352	"	"	"	"	"	
Dibenzo(a,h)anthracene	0.00317	0.00116	0.00352	"	"	"	"	"	J
Fluoranthene	0.0634	0.00116	0.00352	"	"	"	"	"	
Fluorene	0.0113	0.00116	0.00352	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00915	0.00116	0.00352	"	"	"	"	"	
Naphthalene	0.00387	0.00116	0.00352	"	"	"	"	"	
Pyrene	0.0482	0.00116	0.00352	"	"	"	"	"	

Surrogate: 5-alpha-Androstane 81 % 22-135 " " "

Total Metals 7196A

Hexavalent Chromium ND 0.157 0.391 mg/kg dry 1 2768731 03/25/2025 03/26/2025 U

Origins Laboratory

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02R-W@3'
3/12/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-06 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.654		0.0981	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/20/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	69.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/15/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.2 %			70-130		"	"	"	

Origins Laboratory

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



Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02R-W@3'
3/12/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-06 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	6.44		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	4.96		0.823	"	"	"	"	"	
Sodium	9.17		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.32			pH Units	1	B5C1324	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	3.84		0.0100	SAR	1	B5C1318	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.86		0.00500	mmhos/cm	1	B5C1324	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.78		0.243	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	55.8		8.38	"	"	"	"	"	
Cadmium	0.0922		0.0838	"	"	"	"	"	
Copper	ND		8.38	"	"	"	"	"	
Lead	6.52		0.838	"	"	"	"	"	
Nickel	4.75		0.838	"	"	"	"	"	
Selenium	ND		0.218	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02R-W@3'
3/12/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0838	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Zinc	ND		31.0	"	"	"	"	"	

Origins Laboratory

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



Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02-01@4'
3/12/2025 11:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-07 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	0.00918	0.00132	0.00399	mg/kg dry	1	2767552	03/19/2025	03/20/2025	
2-Methylnaphthalene	0.0148	0.00132	0.00399	"	"	"	"	"	"
Acenaphthene	0.0790	0.00132	0.00399	"	"	"	"	"	"
Anthracene	0.196	0.00132	0.00399	"	"	"	"	"	"
Benzo(a)anthracene	0.281	0.00132	0.00399	"	"	"	"	"	"
Benzo(a)pyrene	0.209	0.00132	0.00399	"	"	"	"	"	"
Benzo(b)fluoranthene	0.271	0.00132	0.00399	"	"	"	"	"	"
Benzo(k)fluoranthene	0.0958	0.00132	0.00399	"	"	"	"	"	"
Chrysene	0.292	0.00132	0.00399	"	"	"	"	"	"
Dibenzo(a,h)anthracene	0.0371	0.00132	0.00399	"	"	"	"	"	"
Fluoranthene	0.695	0.00132	0.00399	"	"	"	"	"	"
Fluorene	0.111	0.00132	0.00399	"	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.126	0.00132	0.00399	"	"	"	"	"	"
Naphthalene	0.0375	0.00132	0.00399	"	"	"	"	"	"
Pyrene	0.549	0.00132	0.00399	"	"	"	"	"	"
Surrogate: 5-alpha-Androstane	90 %			22-135	"	"	"	"	"
Total Metals 7196A									
Hexavalent Chromium	ND	0.119	0.298	mg/kg dry	1	2768731	03/25/2025	03/26/2025	U

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02-01@4'

3/12/2025 11:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-07 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.127		0.100	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/19/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	99.6 %								
				50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/16/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	102 %								
Surrogate: Toluene-d8	96.6 %								
Surrogate: 4-Bromofluorobenzene	98.8 %								
				70-130		"	"	"	
				70-130		"	"	"	
				70-130		"	"	"	

Origins Laboratory

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Medina
Project Number: [none]
Project: Chevron - Foss 06-35 Flowline

FL02-01@4'

3/12/2025 11:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5C0403-07 (Soil)
Origins Laboratory**

Metals by Saturated Paste by EPA 6010

Calcium	2.07		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.947		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.30			pH Units	1	B5C1324	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	0.828		0.0100	SAR	1	B5C1318	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.353		0.00500	mmhos/cm	1	B5C1324	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.92		0.265	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	39.6		9.15	"	"	"	"	"	
Cadmium	ND		0.0915	"	"	"	"	"	
Copper	ND		9.15	"	"	"	"	"	
Lead	2.55		0.915	"	"	"	"	"	
Nickel	2.57		0.915	"	"	"	"	"	
Selenium	ND		0.238	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02-01@4'

3/12/2025 11:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-07 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0915	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Zinc	ND		33.8	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02R-S@2'
3/12/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-08 (Soil)									
GEL Laboratories, LLC									
PAH by 3541/8270									
1-Methylnaphthalene	ND	0.00119	0.00359	mg/kg dry	1	2767552	03/19/2025	03/20/2025	U
2-Methylnaphthalene	ND	0.00119	0.00359	"	"	"	"	"	U
Acenaphthene	ND	0.00119	0.00359	"	"	"	"	"	U
Anthracene	ND	0.00119	0.00359	"	"	"	"	"	U
Benzo(a)anthracene	0.00288	0.00119	0.00359	"	"	"	"	"	J
Benzo(a)pyrene	0.00288	0.00119	0.00359	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00324	0.00119	0.00359	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00119	0.00359	"	"	"	"	"	U
Chrysene	0.00288	0.00119	0.00359	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.00119	0.00359	"	"	"	"	"	U
Fluoranthene	0.00683	0.00119	0.00359	"	"	"	"	"	U
Fluorene	ND	0.00119	0.00359	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00119	0.00359	"	"	"	"	"	U
Naphthalene	ND	0.00119	0.00359	"	"	"	"	"	U
Pyrene	0.00539	0.00119	0.00359	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	76 %			22-135	"	"	"	"	
Total Metals 7196A									
Hexavalent Chromium	ND	0.110	0.274	mg/kg dry	1	2768731	03/25/2025	03/26/2025	U

Origins Laboratory

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Medina
Project Number: [none]
Project: Chevron - Foss 06-35 Flowline

FL02R-S@2'

3/12/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0403-08 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.101	mg/L	1	B5C1306	03/13/2025	03/14/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1759	03/17/2025	03/20/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	103 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1445	03/14/2025	03/16/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %			70-130		"	"	"	

Origins Laboratory



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02R-S@2'
3/12/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-08 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.58		0.499	meq/L	10	[CALC]	03/13/2025	03/17/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.30			pH Units	1	B5C1324	03/13/2025	03/15/2025	
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SAR by 20B Saturated Paste

SAR	0.0491		0.0100	SAR	1	B5C1318	03/13/2025	03/17/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.222		0.00500	mmhos/cm	1	B5C1324	03/13/2025	03/15/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.46		0.248	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Barium	45.4		8.57	"	"	"	"	"	
Cadmium	ND		0.0857	"	"	"	"	"	
Copper	ND		8.57	"	"	"	"	"	
Lead	3.90		0.857	"	"	"	"	"	
Nickel	4.22		0.857	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

FL02R-S@2'
3/12/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0403-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Selenium	ND		0.223	mg/kg	10	B5C1350	03/13/2025	03/15/2025	
Silver	ND		0.0857	"	"	"	"	"	
Zinc	ND		31.7	"	"	"	"	"	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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 B5C1306 - DTPA Sorbitol Preparation

Blank (B5C1306-BLK1)

Prepared: 03/13/2025 Analyzed: 03/14/2025

Boron ND 0.100 mg/L

Duplicate (B5C1306-DUP1)

Source: E5C0399-02

Prepared: 03/13/2025 Analyzed: 03/14/2025

Boron 0.706 0.0991 mg/L 0.686 2.83 50

Batch B5C1317 - Saturated Paste Metals

Blank (B5C1317-BLK1)

Prepared: 03/13/2025 Analyzed: 03/17/2025

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B5C1317-DUP1)

Source: E5C0399-02

Prepared: 03/13/2025 Analyzed: 03/17/2025

SAR ND 0.0100 SAR 1.62 200

Calcium PPM 198 10.0 mg/L 216 8.83 50

Magnesium PPM 67.1 10.0 " 73.4 8.84 50

Sodium PPM 101 10.0 " 108 6.24 50

Batch B5C1318 - Saturated Paste Metals

Blank (B5C1318-BLK1)

Prepared: 03/13/2025 Analyzed: 03/17/2025

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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 B5C1318 - Saturated Paste Metals

Duplicate (B5C1318-DUP1)

Source: E5C0403-04

Prepared: 03/13/2025 Analyzed: 03/17/2025

Calcium PPM	349	10.0	mg/L		150			79.7	50	QR-DUP
SAR	ND	0.0100	SAR		4.78				200	
Magnesium PPM	132	10.0	mg/L		68.5			63.2	50	QR-DUP
Sodium PPM	354	10.0	"		281			22.7	50	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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
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Batch B5C1759 - EPA 3550B

Blank (B5C1759-BLK1)

Prepared: 03/17/2025 Analyzed: 03/19/2025

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	25		"	24.9		99.8	50-150			

LCS (B5C1759-BS1)

Prepared: 03/17/2025 Analyzed: 03/19/2025

Diesel (C10-C28)	1080	50.0	mg/kg	1000		108	70-130			
Residual Range Organics (C28-C40)	1160	200	"	1000		116	70-130			
Surrogate: o-Terphenyl	56		"	49.8		113	50-150			

Matrix Spike (B5C1759-MS1)

Source: E5C0399-06

Prepared: 03/17/2025 Analyzed: 03/19/2025

Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000	ND	108	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Matrix Spike Dup (B5C1759-MSD1)

Source: E5C0399-06

Prepared: 03/17/2025 Analyzed: 03/19/2025

Diesel (C10-C28)	1060	50.0	mg/kg	1000	ND	106	70-130	3.72	35	
Residual Range Organics (C28-C40)	1120	200	"	1000	ND	112	70-130	3.51	35	
Surrogate: o-Terphenyl	57		"	49.8		115	50-150			

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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 B5C1350 - EPA 3050B

Blank (B5C1350-BLK1)

Prepared: 03/13/2025 Analyzed: 03/15/2025

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

LCS (B5C1350-BS1)

Prepared: 03/13/2025 Analyzed: 03/15/2025

Arsenic	5.16	0.290	mg/kg	5.00		103	80-120			
Barium	518	10.0	"	500		104	80-120			
Cadmium	4.95	0.100	"	5.00		99.1	80-120			
Copper	50.0	10.0	"	50.0		100	80-120			
Lead	4.87	1.00	"	5.00		97.3	80-120			
Nickel	5.00	1.00	"	5.00		100	80-120			
Selenium	5.09	0.260	"	5.00		102	80-120			
Silver	5.05	0.100	"	5.00		101	80-120			
Zinc	53.2	37.0	"	50.0		106	80-120			

Matrix Spike (B5C1350-MS1)

Source: E5C0399-02

Prepared: 03/13/2025 Analyzed: 03/15/2025

Arsenic	10.9	0.274	mg/kg	4.73	5.82	107	75-125			
Barium	654	9.46	"	473	113	114	75-125			
Cadmium	5.24	0.0946	"	4.73	0.249	106	75-125			
Copper	62.5	9.46	"	47.3	11.6	108	75-125			
Lead	15.1	0.946	"	4.73	9.96	108	75-125			

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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 B5C1350 - EPA 3050B

Matrix Spike (B5C1350-MS1)

Source: E5C0399-02

Prepared: 03/13/2025 Analyzed: 03/15/2025

Nickel	16.5	0.946	mg/kg	4.73	12.4	85.8	75-125			
Selenium	5.30	0.246	"	4.73	0.311	105	75-125			
Silver	5.28	0.0946	"	4.73	0.0392	111	75-125			
Zinc	107	35.0	"	47.3	57.6	104	75-125			

Matrix Spike Dup (B5C1350-MSD1)

Source: E5C0399-02

Prepared: 03/13/2025 Analyzed: 03/15/2025

Arsenic	9.60	0.280	mg/kg	4.82	5.82	78.4	75-125	12.5	20	
Barium	618	9.65	"	482	113	105	75-125	5.60	20	
Cadmium	5.24	0.0965	"	4.82	0.249	104	75-125	0.0729	20	
Copper	61.3	9.65	"	48.2	11.6	103	75-125	1.97	20	
Lead	13.4	0.965	"	4.82	9.96	70.8	75-125	11.8	20	QM-07
Nickel	14.1	0.965	"	4.82	12.4	35.6	75-125	15.3	20	QM-07
Selenium	5.15	0.251	"	4.82	0.311	100	75-125	2.73	20	
Silver	5.23	0.0965	"	4.82	0.0392	108	75-125	1.05	20	
Zinc	101	35.7	"	48.2	57.6	89.1	75-125	6.04	20	

Origins Laboratory

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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 B5C1323 - Saturated Paste pH/EC

Blank (B5C1323-BLK1)

Prepared: 03/13/2025 Analyzed: 03/15/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1323-DUP1)

Source: E5C0399-02

Prepared: 03/13/2025 Analyzed: 03/15/2025

Specific Conductance (EC)	1.68	0.00500	mmhos/cm	1.90	12.3	25
pH	7.97		pH Units	8.03	0.750	25

Batch B5C1324 - Saturated Paste pH/EC

Blank (B5C1324-BLK1)

Prepared: 03/13/2025 Analyzed: 03/15/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1324-DUP1)

Source: E5C0403-04

Prepared: 03/13/2025 Analyzed: 03/15/2025

Specific Conductance (EC)	3.23	0.00500	mmhos/cm	2.21	37.3	25 QR-DUP
pH	8.15		pH Units	8.21	0.734	25

Origins Laboratory

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Medina
Project Number: [none]
Project: Chevron - Foss 06-35 Flowline

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 B5C1445 - EPA 5030 (soil)

Blank (B5C1445-BLK1)

Prepared: 03/14/2025 Analyzed: 03/15/2025

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

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	100	70-130
Surrogate: Toluene-d8	0.12		"	0.125	93.6	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101	70-130

LCS (B5C1445-BS1)

Prepared: 03/14/2025 Analyzed: 03/15/2025

1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100	115	70-130
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	115	70-130
Benzene	0.102	0.00200	"	0.100	102	70-130
Ethylbenzene	0.108	0.00200	"	0.100	108	70-130
Toluene	0.0990	0.00200	"	0.100	99.0	70-130
o-Xylene	0.116	0.00200	"	0.100	116	70-130
m,p-Xylene	0.219	0.00400	"	0.200	109	70-130
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	99.0	70-130
Surrogate: Toluene-d8	0.11		"	0.125	91.5	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	104	70-130

Matrix Spike (B5C1445-MS1)

Source: E5C0364-01

Prepared: 03/14/2025 Analyzed: 03/15/2025

1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100	ND	111	70-130
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100	ND	113	70-130
Benzene	0.0973	0.00200	"	0.100	ND	97.3	70-130

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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 B5C1445 - EPA 5030 (soil)

Matrix Spike (B5C1445-MS1)		Source: E5C0364-01			Prepared: 03/14/2025 Analyzed: 03/15/2025					
Ethylbenzene	0.102	0.00200	mg/kg	0.100	ND	102	70-130			
Toluene	0.101	0.00200	"	0.100	ND	101	70-130			
o-Xylene	0.113	0.00200	"	0.100	ND	113	70-130			
m,p-Xylene	0.204	0.00400	"	0.200	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Matrix Spike Dup (B5C1445-MSD1)		Source: E5C0364-01			Prepared: 03/14/2025 Analyzed: 03/15/2025					
1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	ND	116	70-130	4.12	20	
1,3,5-Trimethylbenzene	0.118	0.00200	"	0.100	ND	118	70-130	4.82	20	
Benzene	0.0978	0.00200	"	0.100	ND	97.8	70-130	0.533	20	
Ethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	2.54	20	
Toluene	0.103	0.00200	"	0.100	ND	103	70-130	1.51	20	
o-Xylene	0.116	0.00200	"	0.100	ND	116	70-130	2.41	20	
m,p-Xylene	0.211	0.00400	"	0.200	ND	105	70-130	3.28	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

PAH by 3541/8270 - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2767552 - SW846 3541

BLANK (1206041272-BLK)

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

Benzo(b)fluoranthene	ND	0.00331	mg/kg	-	-	-	-	-	-	U
Naphthalene	ND	0.00331	"	-	-	-	-	-	-	U
Indeno(1,2,3-cd)pyrene	ND	0.00331	"	-	-	-	-	-	-	U
Fluorene	ND	0.00331	"	-	-	-	-	-	-	U
Fluoranthene	ND	0.00331	"	-	-	-	-	-	-	U
Dibenzo(a,h)anthracene	ND	0.00331	"	-	-	-	-	-	-	U
Benzo(k)fluoranthene	ND	0.00331	"	-	-	-	-	-	-	U
2-Methylnaphthalene	ND	0.00331	"	-	-	-	-	-	-	U
Benzo(a)pyrene	ND	0.00331	"	-	-	-	-	-	-	U
Benzo(a)anthracene	ND	0.00331	"	-	-	-	-	-	-	U
Anthracene	ND	0.00331	"	-	-	-	-	-	-	U
Acenaphthene	ND	0.00331	"	-	-	-	-	-	-	U
Pyrene	ND	0.00331	"	-	-	-	-	-	-	U
Chrysene	ND	0.00331	"	-	-	-	-	-	-	U
1-Methylnaphthalene	ND	0.00331	"	-	-	-	-	-	-	U

Surrogate: 5-alpha-Androstane

0.143

"

0.165

86

22-135

LCS (1206041273-BKS)

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

Chrysene	0.258	0.00328	mg/kg	0.328	79	42-117
Dibenzo(a,h)anthracene	0.249	0.00328	"	0.328	76	38-132
Fluoranthene	0.230	0.00328	"	0.328	70	39-119
Fluorene	0.225	0.00328	"	0.328	69	37-115
Indeno(1,2,3-cd)pyrene	0.247	0.00328	"	0.328	76	38-133
Pyrene	0.232	0.00328	"	0.328	71	38-117
Benzo(k)fluoranthene	0.226	0.00328	"	0.328	69	40-122
Naphthalene	0.228	0.00328	"	0.328	70	38-109
Benzo(a)pyrene	0.250	0.00328	"	0.328	76	39-127

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Tasman Geosciences
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 Broomfield CO 80020

Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

PAH by 3541/8270 - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2767552 - SW846 3541

LCS (1206041273-BKS)

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

Benzo(a)anthracene	0.249	0.00328	mg/kg	0.328		76	42-120			
Anthracene	0.236	0.00328	"	0.328		72	41-117			
Acenaphthene	0.222	0.00328	"	0.328		68	41-112			
1-Methylnaphthalene	0.219	0.00328	"	0.328		67	39-109			
Benzo(b)fluoranthene	0.242	0.00328	"	0.328		74	39-123			
2-Methylnaphthalene	0.223	0.00328	"	0.328		68	39-110			
Surrogate: 5-alpha-Androstane	0.132		"	0.164		81	22-135			

LCSD (1206041274-BKSD)

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

Benzo(a)pyrene	0.244	0.00331	mg/kg	0.331		74	39-127	3	30	
Pyrene	0.229	0.00331	"	0.331		69	38-117	1	30	
Chrysene	0.249	0.00331	"	0.331		75	42-117	3	30	
Dibenzo(a,h)anthracene	0.241	0.00331	"	0.331		73	38-132	3	30	
Fluoranthene	0.226	0.00331	"	0.331		68	39-119	2	30	
Fluorene	0.221	0.00331	"	0.331		67	37-115	2	30	
Naphthalene	0.221	0.00331	"	0.331		67	38-109	3	30	
Indeno(1,2,3-cd)pyrene	0.239	0.00331	"	0.331		72	38-133	3	30	
Benzo(a)anthracene	0.241	0.00331	"	0.331		73	42-120	3	30	
Anthracene	0.233	0.00331	"	0.331		70	41-117	2	30	
Acenaphthene	0.216	0.00331	"	0.331		65	41-112	3	30	
2-Methylnaphthalene	0.214	0.00331	"	0.331		65	39-110	4	30	
1-Methylnaphthalene	0.210	0.00331	"	0.331		63	39-109	4	30	
Benzo(k)fluoranthene	0.225	0.00331	"	0.331		68	40-122	0	30	
Benzo(b)fluoranthene	0.231	0.00331	"	0.331		70	39-123	5	30	
Surrogate: 5-alpha-Androstane	0.133		"	0.166		81	22-135			

MS (1206041275 S)

Source: 714206001

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

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2767552 - SW846 3541

MS (1206041275 S)

Source: 714206001

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

Indeno(1,2,3-cd)pyrene	0.227	0.00364	mg/kg dry	0.364	<0.00120	62	13-134			
Naphthalene	0.319	0.00364	"	0.364	<0.00120	88	16-126			
Fluorene	0.237	0.00364	"	0.364	<0.00120	65	16-134			
Fluoranthene	0.228	0.00364	"	0.364	0.00220	62	14-136			
Dibenzo(a,h)anthracene	0.230	0.00364	"	0.364	<0.00120	63	11-134			
Chrysene	0.241	0.00364	"	0.364	<0.00120	66	19-129			
Benzo(k)fluoranthene	0.213	0.00364	"	0.364	<0.00120	59	18-138			
1-Methylnaphthalene	0.311	0.00364	"	0.364	<0.00120	86	15-129			
Benzo(a)pyrene	0.236	0.00364	"	0.364	<0.00120	65	16-133			
Benzo(a)anthracene	0.235	0.00364	"	0.364	<0.00120	65	20-132			
Anthracene	0.238	0.00364	"	0.364	<0.00120	65	18-136			
Acenaphthene	0.229	0.00364	"	0.364	<0.00120	63	17-129			
2-Methylnaphthalene	0.318	0.00364	"	0.364	<0.00120	87	15-132			
Benzo(b)fluoranthene	0.228	0.00364	"	0.364	<0.00120	63	14-136			
Pyrene	0.229	0.00364	"	0.364	<0.00120	63	12-139			

Surrogate: 5-alpha-Androstane

0.117

"

0.182

0.146

65

22-135

MSD (1206041276 SD)

Source: 714206001

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

Chrysene	0.289	0.00359	mg/kg dry	0.359	<0.00119	80	19-129	18	30	
Dibenzo(a,h)anthracene	0.276	0.00359	"	0.359	<0.00119	77	11-134	18	30	
Fluoranthene	0.262	0.00359	"	0.359	0.00220	72	14-136	14	30	
Fluorene	0.249	0.00359	"	0.359	<0.00119	69	16-134	5	30	
Indeno(1,2,3-cd)pyrene	0.274	0.00359	"	0.359	<0.00119	76	13-134	19	30	
Pyrene	0.263	0.00359	"	0.359	<0.00119	73	12-139	14	30	
Benzo(a)anthracene	0.278	0.00359	"	0.359	<0.00119	77	20-132	17	30	
Naphthalene	0.248	0.00359	"	0.359	<0.00119	69	16-126	25	30	
Benzo(k)fluoranthene	0.253	0.00359	"	0.359	<0.00119	71	18-138	17	30	

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2767552 - SW846 3541

MSD (1206041276 SD)

Source: 714206001

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

Benzo(a)pyrene	0.279	0.00359	mg/kg dry	0.359	<0.00119	78	16-133	17	30	
Anthracene	0.256	0.00359	"	0.359	<0.00119	71	18-136	7	30	
Acenaphthene	0.244	0.00359	"	0.359	<0.00119	68	17-129	7	30	
2-Methylnaphthalene	0.248	0.00359	"	0.359	<0.00119	69	15-132	25	30	
1-Methylnaphthalene	0.241	0.00359	"	0.359	<0.00119	67	15-129	25	30	
Benzo(b)fluoranthene	0.270	0.00359	"	0.359	<0.00119	75	14-136	17	30	
Surrogate: 5-alpha-Androstane	0.141		"	0.180	0.146	79	22-135			

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Mike Medina
 Project Number: [none]
 Project: Chevron - Foss 06-35 Flowline

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2768731 - SW846 3060A

BLANK (1206043563-BLK)

Prepared: 03/25/2025 Analyzed: 03/26/2025

Hexavalent Chromium	ND	0.364	mg/kg				-			U
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LCS (1206043564-BKS)

Prepared: 03/25/2025 Analyzed: 03/26/2025

Hexavalent Chromium	3.82	0.375	mg/kg	3.75		102	80-120			
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DUP (1206043565 D)

Source: E5C0403-01

Prepared: 03/25/2025 Analyzed: 03/26/2025

Hexavalent Chromium	ND	0.419	mg/kg dry		<0.168		0-50	N/A	50	U
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MS (1206043566 S)

Source: E5C0403-01

Prepared: 03/25/2025 Analyzed: 03/26/2025

Hexavalent Chromium	3.90	0.419	mg/kg dry	4.19	<0.168	92.9	75-125			
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ILCS (1206043567-ILCS)

Prepared: 03/25/2025 Analyzed: 03/26/2025

Hexavalent Chromium	6.82	0.322	mg/kg	6.53		104	80-120			
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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Medina
Project Number: [none]
Project: Chevron - Foss 06-35 Flowline

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Greater than the detection limit but less than the reporting limit

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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