



**Montrose Environmental**

**December 29, 2025**

**Jordan Goff**

**471 Denver Ave**

**Loveland CO 80537**

**Project Name - Chevron - Burough C23-30D**

**Project Number - 21022**

Attached are your analytical results for Chevron - Burough C23-30D received by Origins Laboratory December 15, 2025. This project is associated with Origins project number E5L0372-01.

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.

The laboratory is TNI accredited by the Utah DHHS ELAP under certificate number CO010822024.

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





Montrose Environmental  
471 Denver Ave  
Loveland CO 80537

Jordan Goff  
Project Number: 21022  
Project: Chevron - Borough C23-30D

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FLR01@3'	E5L0372-01	Soil	December 15, 2025 9:05	12/15/2025 17:10
FLR01@3'	E5L0372-02	Soil	December 15, 2025 11:45	12/15/2025 17:10

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Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESL0372

Client: Montrose

Client Project ID: Borough C23-30D

Checklist Completed by: NB/NB

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

Date/time completed: 12/15/25

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 5.0 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)

Thermometer ID: 7004

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> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	X <sub>NB</sub>	X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
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)			X	
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.

[Signature]  
Reviewed by (Project Manager)

12/16/25  
Date/Time Reviewed



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 Project Number: 21022  
 Project: Chevron - Borough C23-30D

FL01@3'  
 12/15/2025 9:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5L0372-01 (Soil)</b>									
<b>Enthalpy Orange</b>									
<b>Total Metals by 7199</b>									
Hexavalent Chromium	ND	0.18	0.34	mg/Kg dry	1	390508	12/18/2025	12/19/2025	ND
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
(DTPA Sorbitol) Boron	2.07		0.115	mg/L dry	1	5L16025	12/16/2025	12/17/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	118		28.7	mg/kg dry	1	5L16020	12/16/2025	12/16/2025	
Residual Range Organics (C28-C36)	523		115	"	"	"	"	"	
Surrogate: o-Terphenyl	124 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	5L15099	12/15/2025	12/16/2025	U
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	U
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	ND		0.002	"	"	"	"	"	U
Xylenes, total	ND		0.002	"	"	"	"	"	U

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FL01@3'  
 12/15/2025 9:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5L0372-01 (Soil)  
 Origins Laboratory

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND		0.228	mg/kg dry	1	5L15099	12/15/2025	12/16/2025	U
Surrogate: 1,2-Dichloroethane-d4	94.1 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	10.5		0.499	meq/L	10	[CALC]	12/16/2025	12/18/2025	
Magnesium	5.53		0.823	"	"	"	"	"	
Sodium	16.6		0.435	"	"	"	"	"	

**PAH by EPA 8270E extracted via 3580A**

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	5L16072	12/16/2025	12/17/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.023	"	"	"	"	"	U
Anthracene	ND		0.023	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.023	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.023	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.023	"	"	"	"	"	U

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FL01@3'  
 12/15/2025 9:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5L0372-01 (Soil)  
 Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.023	mg/kg dry	1	5L16072	12/16/2025	12/17/2025	U
Dibenz (a,h) anthracene	ND		0.023	"	"	"	"	"	U
Fluoranthene	ND		0.023	"	"	"	"	"	U
Fluorene	ND		0.023	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.023	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.023	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.0 %			60-130		"	"	"	
Surrogate: Anthracene-d10	94.4 %			60-130		"	"	"	
Surrogate: Pyrene-d10	95.2 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	114 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	86.7			mass percent	1	5L15093	12/15/2025	12/15/2025	
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pH in Soil by 9045D

pH	8.15			pH Units	1	5L16043	12/16/2025	12/17/2025	
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SAR by 20B Saturated Paste

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**FL01@3'**  
**12/15/2025 9:05:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5L0372-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>SAR by 20B Saturated Paste</b>									
SAR	5.87		0.0100	SAR	1	5L16034	12/16/2025	12/18/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	3.27		0.00500	mmhos/cm	1	5L16043	12/16/2025	12/17/2025	
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	4.74		0.232	mg/kg dry	10	5L16062	12/16/2025	12/17/2025	
Barium	177		65.3	"	"	"	"	"	
Cadmium	ND		0.303	"	"	"	"	"	U
Copper	ND		36.6	"	"	"	"	"	U
Lead	14.6		11.2	"	"	"	"	"	
Nickel	ND		20.7	"	"	"	"	"	U
Selenium	0.224		0.196	"	"	"	"	"	
Silver	ND		0.637	"	"	"	"	"	U
Zinc	ND		295	"	"	"	"	"	U

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FLR01@3'

12/15/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5L0372-02 (Soil)</b>									
<b>Enthalpy Orange</b>									
<b>Total Metals by 7199</b>									
Hexavalent Chromium	ND	0.17	0.32	mg/Kg dry	1	390508	12/18/2025	12/19/2025	ND
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
(DTPA Sorbitol) Boron	2.86		0.110	mg/L dry	1	5L16025	12/16/2025	12/17/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	53.9		27.4	mg/kg dry	1	5L16020	12/16/2025	12/16/2025	
Residual Range Organics (C28-C36)	329		110	"	"	"	"	"	"
Surrogate: o-Terphenyl	114 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	5L15099	12/15/2025	12/16/2025	U
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	U
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	ND		0.002	"	"	"	"	"	U
Xylenes, total	ND		0.002	"	"	"	"	"	U

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12/15/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5L0372-02 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND		0.218	mg/kg dry	1	5L15099	12/15/2025	12/16/2025	U
Surrogate: 1,2-Dichloroethane-d4	92.1 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.1 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	16.4		0.499	meq/L	10	[CALC]	12/16/2025	12/18/2025	
Magnesium	15.6		0.823	"	"	"	"	"	
Sodium	30.0		0.435	"	"	"	"	"	

**PAH by EPA 8270E extracted via 3580A**

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	5L16072	12/16/2025	12/17/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.022	"	"	"	"	"	U
Anthracene	ND		0.022	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.022	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.022	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.022	"	"	"	"	"	U

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12/15/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5L0372-02 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>PAH by EPA 8270E extracted via 3580A</b>									
Chrysene	ND		0.022	mg/kg dry	1	5L16072	12/16/2025	12/17/2025	U
Dibenz (a,h) anthracene	ND		0.022	"	"	"	"	"	U
Fluoranthene	ND		0.022	"	"	"	"	"	U
Fluorene	ND		0.022	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.022	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.022	"	"	"	"	"	U
Surrogate: Fluorene-d10	102 %			60-130		"	"	"	
Surrogate: Anthracene-d10	97.1 %			60-130		"	"	"	
Surrogate: Pyrene-d10	90.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	123 %			60-130		"	"	"	
<b>Percent Solids</b>									
Total Solids, Percent	91.2			mass percent	1	5L15093	12/15/2025	12/15/2025	
<b>pH in Soil by 9045D</b>									
pH	7.80			pH Units	1	5L16043	12/16/2025	12/17/2025	
<b>SAR by 20B Saturated Paste</b>									

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FLR01@3'

12/15/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5L0372-02 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>SAR by 20B Saturated Paste</b>									
SAR	7.52		0.0100	SAR	1	5L16034	12/16/2025	12/18/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	7.44		0.00500	mmhos/cm	1	5L16043	12/16/2025	12/17/2025	
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	3.67		0.223	mg/kg dry	10	5L16062	12/16/2025	12/17/2025	
Barium	146		63.0	"	"	"	"	"	
Cadmium	ND		0.292	"	"	"	"	"	U
Copper	ND		35.3	"	"	"	"	"	U
Lead	11.7		10.8	"	"	"	"	"	
Nickel	ND		20.0	"	"	"	"	"	U
Selenium	0.240		0.189	"	"	"	"	"	
Silver	ND		0.614	"	"	"	"	"	U
Zinc	ND		284	"	"	"	"	"	U

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\*\*\* DEFAULT GENERAL METHOD \*\*\* - 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 5L15093 - % Solids

Duplicate (5L15093-DUP1)

Source: E5L0371-01

Prepared: 12/15/2025 Analyzed: 12/15/2025

Total Solids, Percent	82.3		mass percent		82.3			0.0368	20	
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**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5L16025 - DTPA Sorbitol Preparation**

**Blank (5L16025-BLK1)**

Prepared: 12/16/2025 Analyzed: 12/17/2025

(DTPA Sorbitol) Boron ND 0.100 mg/L wet U

**Duplicate (5L16025-DUP1)**

**Source: E5L0364-08**

Prepared: 12/16/2025 Analyzed: 12/17/2025

(DTPA Sorbitol) Boron 0.357 0.114 mg/L dry 0.715 66.9 50 QR-DUP

**Batch 5L16034 - Saturated Paste Metals**

**Blank (5L16034-BLK1)**

Prepared: 12/16/2025 Analyzed: 12/18/2025

SAR ND 0.0100 SAR U

Calcium PPM ND 10.0 mg/L U

Magnesium PPM ND 10.0 " U

Sodium PPM ND 10.0 " U

**Duplicate (5L16034-DUP1)**

**Source: E5L0364-08**

Prepared: 12/16/2025 Analyzed: 12/18/2025

Calcium PPM 18.9 10.0 mg/L 15.5 19.7 50

SAR ND 0.0100 SAR 3.53 200 U

Magnesium PPM 7.32 10.0 mg/L 5.65 25.8 50 U

Sodium PPM 77.4 10.0 " 63.8 19.2 50

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**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 5L16072 - EPA 3580**

**Blank (5L16072-BLK1)**

Prepared: 12/16/2025 Analyzed: 12/16/2025

1-Methylnaphthalene	ND	0.002	mg/kg wet							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Pyrene	ND	0.020	"							U

Surrogate: Fluorene-d10	210		ug/kg	200	104	60-130				
Surrogate: Anthracene-d10	190		"	200	92.9	60-130				
Surrogate: Pyrene-d10	200		"	200	98.7	60-130				
Surrogate: Benzo (a) pyrene-d12	210		"	200	104	60-130				

**LCS (5L16072-BS1)**

Prepared: 12/16/2025 Analyzed: 12/16/2025

1-Methylnaphthalene	0.200	0.002	mg/kg wet	0.199	100	70-130				
2-Methylnaphthalene	0.203	0.002	"	0.199	102	70-130				
Acenaphthene	0.179	0.020	"	0.199	89.6	70-130				
Anthracene	0.162	0.020	"	0.199	81.2	70-130				
Benzo (a) anthracene	0.176	0.005	"	0.199	88.1	70-130				
Benzo (a) pyrene	0.176	0.020	"	0.199	88.1	70-130				

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**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 5L16072 - EPA 3580**

**LCS (5L16072-BS1)**

Prepared: 12/16/2025 Analyzed: 12/16/2025

Benzo (b) fluoranthene	0.192	0.020	mg/kg wet	0.199		96.3	70-130			
Benzo (g,h,i) perylene	0.182	0.020	"	0.199		91.4	70-130			
Benzo (k) fluoranthene	0.172	0.020	"	0.199		86.1	70-130			
Chrysene	0.173	0.020	"	0.199		86.8	70-130			
Dibenz (a,h) anthracene	0.187	0.020	"	0.199		93.8	70-130			
Fluoranthene	0.183	0.020	"	0.199		91.6	70-130			
Fluorene	0.185	0.020	"	0.199		92.7	70-130			
Indeno (1,2,3-cd) pyrene	0.180	0.020	"	0.199		90.5	70-130			
Naphthalene	0.189	0.002	"	0.199		94.5	70-130			
Phenanthrene	0.170	0.020	"	0.199		85.3	70-130			
Pyrene	0.180	0.020	"	0.199		90.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		91.2	60-130			
Surrogate: Pyrene-d10	190		"	200		95.6	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

**Matrix Spike (5L16072-MS1)**

Source: E5L0364-07

Prepared: 12/16/2025 Analyzed: 12/16/2025

1-Methylnaphthalene	0.254	0.002	mg/kg dry	0.226	0.0005	112	70-130			
2-Methylnaphthalene	0.263	0.002	"	0.226	ND	116	70-130			
Acenaphthene	0.218	0.023	"	0.226	ND	96.3	70-130			
Anthracene	0.202	0.023	"	0.226	ND	89.5	70-130			
Benzo (a) anthracene	0.226	0.006	"	0.226	0.003	98.8	70-130			
Benzo (a) pyrene	0.226	0.023	"	0.226	0.003	98.6	70-130			
Benzo (b) fluoranthene	0.233	0.023	"	0.226	0.002	102	70-130			
Benzo (g,h,i) perylene	0.221	0.023	"	0.226	0.001	97.0	70-130			
Benzo (k) fluoranthene	0.218	0.023	"	0.226	0.002	95.1	70-130			
Chrysene	0.221	0.023	"	0.226	0.002	96.7	70-130			

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 Project: Chevron - Borough C23-30D

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 5L16072 - EPA 3580

**Matrix Spike (5L16072-MS1)**

Source: E5L0364-07

Prepared: 12/16/2025 Analyzed: 12/16/2025

Dibenz (a,h) anthracene	0.236	0.023	mg/kg dry	0.226	0.003	103	70-130			
Fluoranthene	0.230	0.023	"	0.226	0.0009	101	70-130			
Fluorene	0.222	0.023	"	0.226	ND	98.3	70-130			
Indeno (1,2,3-cd) pyrene	0.224	0.023	"	0.226	0.003	97.9	70-130			
Naphthalene	0.236	0.002	"	0.226	ND	104	70-130			
Phenanthrene	0.212	0.023	"	0.226	ND	93.6	70-130			
Pyrene	0.218	0.023	"	0.226	ND	96.3	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.8	60-130			
Surrogate: Anthracene-d10	180		"	200		91.1	60-130			
Surrogate: Pyrene-d10	190		"	200		95.2	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

**Matrix Spike Dup (5L16072-MSD1)**

Source: E5L0364-07

Prepared: 12/16/2025 Analyzed: 12/16/2025

1-Methylnaphthalene	0.242	0.002	mg/kg dry	0.229	0.0005	106	70-130	4.53	20	
2-Methylnaphthalene	0.243	0.002	"	0.229	ND	106	70-130	7.94	20	
Acenaphthene	0.211	0.023	"	0.229	ND	92.2	70-130	3.19	20	
Anthracene	0.197	0.023	"	0.229	ND	86.0	70-130	2.72	20	
Benzo (a) anthracene	0.213	0.006	"	0.229	0.003	91.9	70-130	5.97	20	
Benzo (a) pyrene	0.216	0.023	"	0.229	0.003	93.4	70-130	4.14	20	
Benzo (b) fluoranthene	0.230	0.023	"	0.229	0.002	99.6	70-130	1.48	20	
Benzo (g,h,i) perylene	0.209	0.023	"	0.229	0.001	90.7	70-130	5.49	20	
Benzo (k) fluoranthene	0.204	0.023	"	0.229	0.002	88.1	70-130	6.41	20	
Chrysene	0.212	0.023	"	0.229	0.002	91.5	70-130	4.25	20	
Dibenz (a,h) anthracene	0.227	0.023	"	0.229	0.003	98.0	70-130	4.01	20	
Fluoranthene	0.212	0.023	"	0.229	0.0009	92.1	70-130	8.22	20	
Fluorene	0.217	0.023	"	0.229	ND	95.0	70-130	2.18	20	
Indeno (1,2,3-cd) pyrene	0.217	0.023	"	0.229	0.003	93.6	70-130	3.22	20	

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**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 5L16072 - EPA 3580

Matrix Spike Dup (5L16072-MSD1)

Source: E5L0364-07

Prepared: 12/16/2025 Analyzed: 12/16/2025

Naphthalene	0.224	0.002	mg/kg dry	0.229	ND	97.7	70-130	5.41	20	
Phenanthrene	0.204	0.023	"	0.229	ND	89.3	70-130	3.48	20	
Pyrene	0.208	0.023	"	0.229	ND	90.9	70-130	4.52	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		92.2	60-130			
Surrogate: Pyrene-d10	190		"	200		93.3	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

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**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 5L16020 - EPA 3550B**

**Blank (5L16020-BLK1)**

Prepared: 12/16/2025 Analyzed: 12/16/2025

Diesel (C10-C28)	ND	25.0	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		99.4	50-150			

**LCS (5L16020-BS1)**

Prepared: 12/16/2025 Analyzed: 12/16/2025

Diesel (C10-C28)	1060	50.7	mg/kg wet	1010		105	70-130			
Residual Range Organics (C28-C36)	979	203	"	1010		96.5	70-130			
Surrogate: o-Terphenyl	63		"	50.5		126	50-150			

**Matrix Spike (5L16020-MS1)**

**Source: E5L0339-01**

Prepared: 12/16/2025 Analyzed: 12/16/2025

Diesel (C10-C28)	1120	49.9	mg/kg wet	998	ND	112	70-130			
Residual Range Organics (C28-C36)	1030	200	"	998	ND	103	70-130			
Surrogate: o-Terphenyl	68		"	49.7		137	50-150			

**Matrix Spike Dup (5L16020-MSD1)**

**Source: E5L0339-01**

Prepared: 12/16/2025 Analyzed: 12/16/2025

Diesel (C10-C28)	1080	49.3	mg/kg wet	986	ND	109	70-130	3.61	35	
Residual Range Organics (C28-C36)	1010	197	"	986	ND	102	70-130	2.52	35	
Surrogate: o-Terphenyl	67		"	49.1		137	50-150			

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**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 5L16062 - EPA 3050B**

**Blank (5L16062-BLK1)**

Prepared: 12/16/2025 Analyzed: 12/17/2025

Arsenic	ND	0.218	mg/kg wet							U
Barium	ND	61.5	"							U
Cadmium	ND	0.285	"							U
Copper	ND	34.5	"							U
Lead	ND	10.5	"							U
Nickel	ND	19.5	"							U
Selenium	ND	0.184	"							U
Silver	ND	0.600	"							U
Zinc	ND	278	"							U

**LCS (5L16062-BS1)**

Prepared: 12/16/2025 Analyzed: 12/17/2025

Arsenic	6.00	0.218	mg/kg wet	5.00		120	80-120			
Barium	555	61.5	"	500		111	80-120			
Cadmium	5.73	0.285	"	5.00		115	80-120			
Copper	59.5	34.5	"	50.0		119	80-120			
Lead	5.79	10.5	"	5.00		116	80-120			U
Nickel	5.36	19.5	"	5.00		107	80-120			U
Selenium	4.46	0.184	"	5.00		89.1	80-120			
Silver	5.98	0.600	"	5.00		120	80-120			
Zinc	58.1	278	"	50.0		116	80-120			U

**Matrix Spike (5L16062-MS1)**

Source: E5L0365-01

Prepared: 12/16/2025 Analyzed: 12/23/2025

Arsenic	9.75	0.232	mg/kg dry	5.32	4.59	97.1	75-125			
Barium	676	65.4	"	532	139	101	75-125			
Cadmium	5.22	0.303	"	5.32	0.216	94.1	75-125			
Copper	68.6	36.7	"	53.2	14.3	102	75-125			
Lead	18.8	11.2	"	5.32	10.6	154	75-125			QM-07

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**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 5L16062 - EPA 3050B**

**Matrix Spike (5L16062-MS1)**

**Source: E5L0365-01**

Prepared: 12/16/2025 Analyzed: 12/23/2025

Nickel	22.8	20.7	mg/kg dry	5.32	12.8	188	75-125			QM-4X
Selenium	5.36	0.196	"	5.32	0.105	98.9	75-125			
Silver	5.10	0.638	"	5.32	0.0483	95.1	75-125			
Zinc	133	295	"	53.2	61.1	135	75-125			U

**Matrix Spike Dup (5L16062-MSD1)**

**Source: E5L0365-01**

Prepared: 12/16/2025 Analyzed: 12/23/2025

Arsenic	9.12	0.235	mg/kg dry	5.40	4.59	84.1	75-125	6.63	20	
Barium	632	66.4	"	540	139	91.2	75-125	6.74	20	
Cadmium	5.24	0.308	"	5.40	0.216	93.1	75-125	0.428	20	
Copper	67.5	37.2	"	54.0	14.3	98.6	75-125	1.72	20	
Lead	19.2	11.3	"	5.40	10.6	160	75-125	2.33	20	QM-07
Nickel	21.9	21.0	"	5.40	12.8	168	75-125	4.12	20	QM-4X
Selenium	4.58	0.199	"	5.40	0.105	82.9	75-125	15.8	20	
Silver	5.12	0.647	"	5.40	0.0483	94.0	75-125	0.299	20	
Zinc	132	299	"	54.0	61.1	131	75-125	0.756	20	U

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**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 5L16043 - Saturated Paste pH/EC**

**Blank (5L16043-BLK1)**

Prepared: 12/16/2025 Analyzed: 12/17/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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**Duplicate (5L16043-DUP1)**

**Source: E5L0364-08**

Prepared: 12/16/2025 Analyzed: 12/17/2025

Specific Conductance (EC)	0.473	0.00500	mmhos/cm		0.419			12.1	25	
pH	8.52		pH Units		8.52			0.00	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5L15099 - EPA 5030 (soil)**

Prepared: 12/15/2025 Analyzed: 12/16/2025

**Blank (5L15099-BLK1)**

1,2,4-Trimethylbenzene	ND	0.002	mg/kg wet							U
1,3,5-Trimethylbenzene	ND	0.002	"							U
Benzene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		87.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.0	70-130			

**LCS (5L15099-BS1)**

Prepared: 12/15/2025 Analyzed: 12/16/2025

1,2,4-Trimethylbenzene	0.097	0.002	mg/kg wet	0.100		96.8	70-130			
1,3,5-Trimethylbenzene	0.095	0.002	"	0.100		95.0	70-130			
Benzene	0.094	0.002	"	0.100		94.3	70-130			
Ethylbenzene	0.109	0.002	"	0.100		109	70-130			
Naphthalene	0.097	0.004	"	0.100		96.6	70-130			
Toluene	0.100	0.002	"	0.100		99.9	70-130			
o-Xylene	0.103	0.002	"	0.100		103	70-130			
m,p-Xylene	0.213	0.004	"	0.200		106	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		83.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.2	70-130			

**Matrix Spike (5L15099-MS1)**

Source: E5L0372-01

Prepared: 12/15/2025 Analyzed: 12/16/2025

1,2,4-Trimethylbenzene	0.094	0.002	mg/kg dry	0.116	ND	81.2	70-130			
1,3,5-Trimethylbenzene	0.093	0.002	"	0.116	ND	79.9	70-130			

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 Project: Chevron - Borough C23-30D

**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 5L15099 - EPA 5030 (soil)

**Matrix Spike (5L15099-MS1)**

Source: E5L0372-01

Prepared: 12/15/2025 Analyzed: 12/16/2025

Benzene	0.106	0.002	mg/kg dry	0.116	ND	91.4	70-130			
Ethylbenzene	0.108	0.002	"	0.116	ND	92.8	70-130			
Naphthalene	0.095	0.004	"	0.116	ND	81.4	70-130			
Toluene	0.105	0.002	"	0.116	ND	90.4	70-130			
o-Xylene	0.103	0.002	"	0.116	ND	88.3	70-130			
m,p-Xylene	0.212	0.005	"	0.233	ND	91.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.145		89.9	70-130			
Surrogate: Toluene-d8	0.14		"	0.145		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.145		99.5	70-130			

**Matrix Spike Dup (5L15099-MSD1)**

Source: E5L0372-01

Prepared: 12/15/2025 Analyzed: 12/16/2025

1,2,4-Trimethylbenzene	0.094	0.002	mg/kg dry	0.114	ND	83.2	70-130	0.0415	20	
1,3,5-Trimethylbenzene	0.092	0.002	"	0.114	ND	80.7	70-130	1.44	20	
Benzene	0.104	0.002	"	0.114	ND	91.6	70-130	2.26	20	
Ethylbenzene	0.103	0.002	"	0.114	ND	91.1	70-130	4.22	20	
Naphthalene	0.104	0.004	"	0.114	ND	91.2	70-130	9.04	20	
Toluene	0.103	0.002	"	0.114	ND	90.5	70-130	2.30	20	
o-Xylene	0.099	0.002	"	0.114	ND	87.1	70-130	3.71	20	
m,p-Xylene	0.203	0.005	"	0.227	ND	89.6	70-130	4.02	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.142		91.1	70-130			
Surrogate: Toluene-d8	0.14		"	0.142		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.142		97.0	70-130			

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 Project: Chevron - Borough C23-30D

**Total Metals by 7199 - Quality Control  
 Enthalpy Orange**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 390508 - EPA 3060A</b>										
<b>BLANK (QC1323876)</b>										
					Prepared: 12/18/2025 Analyzed: 12/19/2025					
Hexavalent Chromium	ND	0.30	mg/Kg				-			ND
<b>LCS (QC1323877)</b>										
					Prepared: 12/18/2025 Analyzed: 12/19/2025					
Hexavalent Chromium	38.85	0.5976	mg/Kg	39.84		98	80-120			
<b>Duplicate (QC1323879)</b>										
					Source: 549162-001 Prepared: 12/18/2025 Analyzed: 12/19/2025					
Hexavalent Chromium	ND	0.2930	mg/Kg		0		-		30	ND
<b>Matrix Spike (QC1323880)</b>										
					Source: 549162-001 Prepared: 12/18/2025 Analyzed: 12/19/2025					
Hexavalent Chromium	35.35	0.6000	mg/Kg	40.00	0	88	70-130			

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Project: Chevron - Borough C23-30D

### Notes and Definitions

- U Sample is Non-Detect.
- QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 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 Not Detected
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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