



Montrose Environmental

Scott Williamson

471 Denver Ave

Loveland

CO

80537

September 10, 2025

Project Name - Chevron - McClellan 03-32 (FAC)

Project Number - 37851

Attached are your analytical results for Chevron - McClellan 03-32 (FAC) received by Origins Laboratory August 18, 2025. This project is associated with Origins project number E5H0382-01.

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



Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Scott Williamson
 Project Number: 37851
 Project: Chevron - McClellan 03-32 (FAC)

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWW01@4'	E5H0382-01	Soil	August 18, 2025 10:06	08/18/2025 17:10
PWW01-SS04@3'	E5H0382-02	Soil	August 18, 2025 10:24	08/18/2025 17:10
SEP01-DL@3'	E5H0382-03	Soil	August 18, 2025 10:46	08/18/2025 17:10

Origins Laboratory

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Kayla Kenyon, Project Manager

ORIGINS LABORATORY

Montrose Environmental
471 Denver Ave
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Scott Williamson
Project Number: 37851
Project: Chevron - McClellan 03-32 (FAC)

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESH0382

Client: Montrose/Chevron

Client Project ID: McClellan 03-32 (FAC)

Checklist Completed by: NB/NB

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

Date/time completed: 8/18/25

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 0.4 °C / _____ °C / _____ °C (Describe) / _____ °C

Thermometer ID: TDO7

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 8°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 HNO ₃ , HCl, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, 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 in the additional comments (above) and the case narrative.

NB
Reviewed by (Project Manager)

8/18/25
Date/Time Reviewed

Origins Laboratory



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Kayla Kenyon, Project Manager



Montrose Environmental
 471 Denver Ave
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Scott Williamson
 Project Number: 37851
 Project: Chevron - McClellan 03-32 (FAC)

PWW01@4'
 8/18/2025 10:06:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-01 (Soil)									
Enthalpy Orange									
Total Metals by 7199									
Hexavalent Chromium	ND	0.17	0.33	mg/Kg dry	1	380842	09/02/2025	09/03/2025	ND
Origins Laboratory									
(DRY WEIGHT) 6020B - Metals Table 915									
Arsenic	2.67		0.193	mg/kg	10	B5H2141	08/21/2025	09/08/2025	
Barium	60.2		54.3	"	"	"	"	"	"
Cadmium	ND		0.253	"	"	"	"	"	U
Copper	ND		30.6	"	"	"	"	"	U
Lead	ND		9.31	"	"	"	"	"	U
Nickel	ND		17.3	"	"	"	"	"	U
Selenium	0.244		0.164	"	"	"	"	"	"
Silver	ND		0.532	"	"	"	"	"	U
Zinc	ND		246	"	"	"	"	"	U
(DRY WEIGHT) 8015D - DRO/ORO									
Diesel (C10-C28)	66.8		27.9	mg/kg dry	1	B5H1834	08/18/2025	08/18/2025	
Residual Range Organics (C28-C36)	ND		112	"	"	"	"	"	U
Surrogate: o-Terphenyl	81.3 %			50-150		"	"	"	

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 8/18/2025 10:06:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-01 (Soil)									
Origins Laboratory									
(DRY WEIGHT) 8260D - GBTEX+TMBs									
1,2,4-Trimethylbenzene	0.928		0.056	mg/kg dry	25	B5H1843	08/18/2025	08/19/2025	
1,3,5-Trimethylbenzene	0.165		0.002	"	1	"	"	08/18/2025	
Benzene	0.012		0.002	"	"	"	"	"	
Ethylbenzene	0.049		0.002	"	"	"	"	"	
Naphthalene	0.033		0.004	"	"	"	"	"	
Toluene	0.012		0.002	"	"	"	"	"	
Xylenes, total	0.428		0.002	"	"	"	"	"	
Gasoline Range Hydrocarbons	70.4		5.58	"	25	"	"	08/19/2025	
Surrogate: 1,2-Dichloroethane-d4	117 %				70-130	"	"	08/18/2025	
Surrogate: Toluene-d8	90.6 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	143 %				70-130	"	"	"	S-04
(DRY WEIGHT) 8270E - PAH									
1-Methylnaphthalene	0.146		0.002	mg/kg dry	1	B5H1835	08/18/2025	08/18/2025	
2-Methylnaphthalene	0.359		0.002	"	"	"	"	"	
Acenaphthene	0.038		0.022	"	"	"	"	"	
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 (g,h,i) perylene	ND		0.022	"	"	"	"	"	U

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Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-01 (Soil)									
Origins Laboratory									
(DRY WEIGHT) 8270E - PAH									
Benzo (k) fluoranthene	ND		0.022	mg/kg dry	1	B5H1835	08/18/2025	08/18/2025	U
Chrysene	ND		0.022	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.022	"	"	"	"	"	U
Fluoranthene	ND		0.022	"	"	"	"	"	U
Fluorene	0.060		0.022	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		0.022	"	"	"	"	"	U
Naphthalene	0.078		0.002	"	"	"	"	"	
Phenanthrene	0.039		0.022	"	"	"	"	"	
Pyrene	ND		0.022	"	"	"	"	"	U
Surrogate: Fluorene-d10	99.0 %			60-130		"	"	"	
Surrogate: Anthracene-d10	96.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	99.6 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %			60-130		"	"	"	
(DRY WEIGHT) Boron by DTPA Sorbitol									
(DTPA Sorbitol) Boron	0.616		0.111	mg/L dry	1	B5H2133	08/21/2025	08/25/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	2.71		0.499	meq/L	10	[CALC]	08/19/2025	08/25/2025	
Magnesium	1.26		0.823	"	"	"	"	"	

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PWW01@4'
 8/18/2025 10:06:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-01 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Sodium	1.14		0.435	meq/L	10	[CALC]	08/19/2025	08/25/2025	
Percent Solids									
Total Solids, Percent	89.7			mass percent	1	B5H1846	08/18/2025	08/20/2025	
pH in Soil by 9045D									
pH	8.93			pH Units	1	B5H1838	08/18/2025	08/20/2025	
SAR by 20B Saturated Paste									
SAR	0.811		0.0100	SAR	1	B5H1836	08/19/2025	08/25/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.276		0.00500	mmhos/cm	1	B5H1838	08/18/2025	08/20/2025	
Table 915 metals by EPA 6020B									
Arsenic	3.27		0.213	mg/kg dry	10	B5H1848	08/18/2025	08/19/2025	
Barium	71.2		60.0	"	"	"	"	"	
Cadmium	ND		0.278	"	"	"	"	"	U
Copper	ND		33.7	"	"	"	"	"	U
Lead	ND		10.2	"	"	"	"	"	U

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PWW01@4'
 8/18/2025 10:06:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-01 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Nickel	ND		19.0	mg/kg dry	10	B5H1848	08/18/2025	08/19/2025	U
Selenium	0.341		0.180	"	"	"	"	"	
Silver	ND		0.585	"	"	"	"	"	U
Zinc	ND		271	"	"	"	"	"	U

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PWV01-SS04@3'
8/18/2025 10:24:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0382-02 (Soil)
Enthalpy Orange

Total Metals by 7199

Hexavalent Chromium	ND	0.17	0.33	mg/Kg dry	1	380842	09/02/2025	09/03/2025	ND
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(DRY WEIGHT) 6020B - Metals Table 915

Arsenic	2.30		0.197	mg/kg	10	B5H2141	08/21/2025	09/08/2025	
Barium	ND		55.4	"	"	"	"	"	U
Cadmium	ND		0.258	"	"	"	"	"	U
Copper	ND		31.2	"	"	"	"	"	U
Lead	ND		9.50	"	"	"	"	"	U
Nickel	ND		17.6	"	"	"	"	"	U
Selenium	0.204		0.167	"	"	"	"	"	
Silver	ND		0.543	"	"	"	"	"	U
Zinc	ND		251	"	"	"	"	"	U

(DRY WEIGHT) 8015D - DRO/ORO

Diesel (C10-C28)	198		28.2	mg/kg dry	1	B5H1834	08/18/2025	08/18/2025	
Residual Range Organics (C28-C36)	ND		113	"	"	"	"	"	U

Surrogate: o-Terphenyl	79.2 %				50-150	"	"	"	
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PWV01-SS04@3'
8/18/2025 10:24:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-02 (Soil)									
Origins Laboratory									
(DRY WEIGHT) 8260D - GBTEX+TMBs									
1,2,4-Trimethylbenzene	6.48		0.056	mg/kg dry	25	B5H1843	08/18/2025	08/19/2025	
1,3,5-Trimethylbenzene	0.611		0.056	"	"	"	"	"	
Benzene	0.063		0.056	"	"	"	"	"	
Ethylbenzene	0.628		0.056	"	"	"	"	"	
Naphthalene	0.207		0.107	"	"	"	"	"	
Toluene	ND		0.056	"	"	"	"	"	R-05, U
Xylenes, total	2.41		0.056	"	"	"	"	"	
Gasoline Range Hydrocarbons	312		5.64	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4									
	106 %				70-130	"	"	"	
Surrogate: Toluene-d8									
	96.8 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene									
	123 %				70-130	"	"	"	
(DRY WEIGHT) 8270E - PAH									
1-Methylnaphthalene	0.689		0.002	mg/kg dry	1	B5H1835	08/18/2025	08/19/2025	
2-Methylnaphthalene	2.09		0.023	"	10	"	"	08/18/2025	
Acenaphthene	ND		0.023	"	1	"	"	08/19/2025	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

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PWV01-SS04@3'
8/18/2025 10:24:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-02 (Soil)									
Origins Laboratory									
(DRY WEIGHT) 8270E - PAH									
Benzo (g,h,i) perylene	ND		0.023	mg/kg dry	1	B5H1835	08/18/2025	08/19/2025	U
Benzo (k) fluoranthene	ND		0.023	"	"	"	"	"	U
Chrysene	ND		0.023	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.023	"	"	"	"	"	U
Fluoranthene	ND		0.023	"	"	"	"	"	U
Fluorene	0.083		0.023	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		0.023	"	"	"	"	"	U
Naphthalene	0.468		0.002	"	"	"	"	"	
Phenanthrene	0.107		0.023	"	"	"	"	"	
Pyrene	ND		0.023	"	"	"	"	"	U
Surrogate: Fluorene-d10	102 %			60-130		"	"	"	
Surrogate: Anthracene-d10	93.8 %			60-130		"	"	"	
Surrogate: Pyrene-d10	106 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.1 %			60-130		"	"	"	
(DRY WEIGHT) Boron by DTPA Sorbitol									
(DTPA Sorbitol) Boron	0.551		0.113	mg/L dry	1	B5H2133	08/21/2025	08/25/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	2.62		0.499	meq/L	10	[CALC]	08/19/2025	08/25/2025	

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PWV01-SS04@3'
8/18/2025 10:24:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-02 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Magnesium	1.04		0.823	meq/L	10	[CALC]	08/19/2025	08/25/2025	
Sodium	2.49		0.435	"	"	"	"	"	
Percent Solids									
Total Solids, Percent	88.7			mass percent	1	B5H1846	08/18/2025	08/20/2025	
pH in Soil by 9045D									
pH	9.28			pH Units	1	B5H1838	08/18/2025	08/20/2025	
SAR by 20B Saturated Paste									
SAR	1.84		0.0100	SAR	1	B5H1836	08/19/2025	08/25/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.504		0.00500	mmhos/cm	1	B5H1838	08/18/2025	08/20/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.27		0.221	mg/kg dry	10	B5H1848	08/18/2025	08/19/2025	
Barium	ND		62.5	"	"	"	"	"	U
Cadmium	ND		0.289	"	"	"	"	"	U
Copper	ND		35.0	"	"	"	"	"	U

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PWW01-SS04@3'
8/18/2025 10:24:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-02 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Lead	ND		10.7	mg/kg dry	10	B5H1848	08/18/2025	08/19/2025	U
Nickel	ND		19.8	"	"	"	"	"	U
Selenium	0.218		0.187	"	"	"	"	"	U
Silver	ND		0.609	"	"	"	"	"	U
Zinc	ND		282	"	"	"	"	"	U

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SEP01-DL@3'
 8/18/2025 10:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0382-03 (Soil)
 Enthalpy Orange

Total Metals by 7199

Hexavalent Chromium	ND	0.18	0.33	mg/Kg dry	1	380842	09/02/2025	09/03/2025	ND
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Origins Laboratory

(DRY WEIGHT) 6020B - Metals Table 915

Arsenic	2.25		0.198	mg/kg	10	B5H2141	08/21/2025	09/08/2025	
Barium	57.3		55.6	"	"	"	"	"	
Cadmium	ND		0.259	"	"	"	"	"	U
Copper	ND		31.3	"	"	"	"	"	U
Lead	ND		9.54	"	"	"	"	"	U
Nickel	ND		17.7	"	"	"	"	"	U
Selenium	ND		0.168	"	"	"	"	"	U
Silver	ND		0.545	"	"	"	"	"	U
Zinc	ND		252	"	"	"	"	"	U

(DRY WEIGHT) 8015D - DRO/ORO

Diesel (C10-C28)	438		27.8	mg/kg dry	1	B5H1834	08/18/2025	08/18/2025	
Residual Range Organics (C28-C36)	ND		111	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.7 %				50-150	"	"	"	
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SEP01-DL@3'
 8/18/2025 10:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-03 (Soil)									
Origins Laboratory									
(DRY WEIGHT) 8260D - GBTEX+TMBs									
1,2,4-Trimethylbenzene	7.89		0.056	mg/kg dry	25	B5H1843	08/18/2025	08/19/2025	
1,3,5-Trimethylbenzene	0.107		0.056	"	"	"	"	"	
Benzene	ND		0.056	"	"	"	"	"	R-05, U
Ethylbenzene	0.134		0.056	"	"	"	"	"	
Naphthalene	0.229		0.106	"	"	"	"	"	
Toluene	ND		0.056	"	"	"	"	"	R-05, U
Xylenes, total	0.201		0.056	"	"	"	"	"	
Gasoline Range Hydrocarbons	382		5.56	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	111 %				70-130	"	"	"	
Surrogate: Toluene-d8	97.3 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	133 %				70-130	"	"	"	S-04
(DRY WEIGHT) 8270E - PAH									
1-Methylnaphthalene	0.932		0.002	mg/kg dry	1	B5H1835	08/18/2025	08/18/2025	
2-Methylnaphthalene	2.66		0.022	"	10	"	"	08/19/2025	
Acenaphthene	ND		0.022	"	1	"	"	08/18/2025	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

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Scott Williamson
 Project Number: 37851
 Project: Chevron - McClellan 03-32 (FAC)

SEP01-DL@3'
 8/18/2025 10:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-03 (Soil)									
Origins Laboratory									
(DRY WEIGHT) 8270E - PAH									
Benzo (g,h,i) perylene	ND		0.022	mg/kg dry	1	B5H1835	08/18/2025	08/18/2025	U
Benzo (k) fluoranthene	ND		0.022	"	"	"	"	"	U
Chrysene	ND		0.022	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.022	"	"	"	"	"	U
Fluoranthene	ND		0.022	"	"	"	"	"	U
Fluorene	0.132		0.022	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		0.022	"	"	"	"	"	U
Naphthalene	0.341		0.002	"	"	"	"	"	
Phenanthrene	0.165		0.022	"	"	"	"	"	
Pyrene	ND		0.022	"	"	"	"	"	U
Surrogate: Fluorene-d10	97.9 %			60-130		"	"	"	
Surrogate: Anthracene-d10	100 %			60-130		"	"	"	
Surrogate: Pyrene-d10	97.0 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %			60-130		"	"	"	
(DRY WEIGHT) Boron by DTPA Sorbitol									
(DTPA Sorbitol) Boron	0.347		0.112	mg/L dry	1	B5H2133	08/21/2025	08/25/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.92		0.499	meq/L	10	[CALC]	08/19/2025	08/25/2025	

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SEP01-DL@3'
 8/18/2025 10:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-03 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Magnesium	1.06		0.823	meq/L	10	[CALC]	08/19/2025	08/25/2025	
Sodium	0.529		0.435	"	"	"	"	"	
Percent Solids									
Total Solids, Percent	89.9			mass percent	1	B5H1846	08/18/2025	08/20/2025	
pH in Soil by 9045D									
pH	8.03			pH Units	1	B5H1838	08/18/2025	08/20/2025	
SAR by 20B Saturated Paste									
SAR	0.433		0.0100	SAR	1	B5H1836	08/19/2025	08/25/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.319		0.00500	mmhos/cm	1	B5H1838	08/18/2025	08/20/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.28		0.238	mg/kg dry	10	B5H1848	08/18/2025	08/19/2025	
Barium	ND		67.0	"	"	"	"	"	U
Cadmium	ND		0.310	"	"	"	"	"	U
Copper	ND		37.6	"	"	"	"	"	U

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SEP01-DL@3
 8/18/2025 10:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0382-03 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Lead	ND		11.4	mg/kg dry	10	B5H1848	08/18/2025	08/19/2025	U
Nickel	ND		21.2	"	"	"	"	"	U
Selenium	ND		0.201	"	"	"	"	"	U
Silver	ND		0.654	"	"	"	"	"	U
Zinc	ND		302	"	"	"	"	"	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 B5H1846 - % Solids

Duplicate (B5H1846-DUP1)

Source: E5H0363-07

Prepared: 08/18/2025 Analyzed: 08/20/2025

Total Solids, Percent	96.4		mass percent		96.7			0.325	200	
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Duplicate (B5H1846-DUP2)

Source: E5H0363-08

Prepared: 08/18/2025 Analyzed: 08/20/2025

Total Solids, Percent	97.2		mass percent		97.5			0.323	200	
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Kayla Kenyon, Project Manager



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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 B5H1836 - Saturated Paste Metals

Blank (B5H1836-BLK1)

Prepared: 08/19/2025 Analyzed: 08/20/2025

Calcium PPM	ND	10.0	mg/L							U
SAR	ND	0.0100	SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U

Duplicate (B5H1836-DUP1)

Source: E5H0373-01

Prepared: 08/19/2025 Analyzed: 08/25/2025

Calcium PPM	439	10.0	mg/L		269			48.1	50	
SAR	ND	0.0100	SAR		11.1				200	U
Magnesium PPM	211	10.0	mg/L		125			51.4	50	QR-DUP
Sodium PPM	1410	10.0	"		879			46.1	50	

Batch B5H2133 - DTPA Sorbitol Preparation

Blank (B5H2133-BLK1)

Prepared: 08/21/2025 Analyzed: 08/25/2025

(DTPA Sorbitol) Boron	ND	0.100	mg/L wet							U
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Duplicate (B5H2133-DUP1)

Source: E5H0382-01

Prepared: 08/21/2025 Analyzed: 08/25/2025

(DTPA Sorbitol) Boron	0.459	0.111	mg/L dry		0.616			29.3	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 B5H1835 - EPA 3530

Blank (B5H1835-BLK1)

Prepared: 08/18/2025 Analyzed: 08/18/2025

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	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	200		"	200		98.5	60-130			
Surrogate: Pyrene-d10	190		"	200		93.7	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

LCS (B5H1835-BS1)

Prepared: 08/18/2025 Analyzed: 08/18/2025

1-Methylnaphthalene	0.212	0.002	mg/kg wet	0.200		106	70-130			
2-Methylnaphthalene	0.228	0.002	"	0.200		114	70-130			
Acenaphthene	0.223	0.020	"	0.200		111	70-130			
Anthracene	0.207	0.020	"	0.200		103	70-130			
Benzo (a) anthracene	0.217	0.005	"	0.200		109	70-130			
Benzo (a) pyrene	0.214	0.020	"	0.200		107	70-130			

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 Project: Chevron - McClellan 03-32 (FAC)

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 B5H1835 - EPA 3530

LCS (B5H1835-BS1)

Prepared: 08/18/2025 Analyzed: 08/18/2025

Benzo (b) fluoranthene	0.207	0.020	mg/kg wet	0.200		104	70-130			
Benzo (k) fluoranthene	0.211	0.020	"	0.200		105	70-130			
Chrysene	0.220	0.020	"	0.200		110	70-130			
Dibenz (a,h) anthracene	0.235	0.020	"	0.200		117	70-130			
Fluoranthene	0.205	0.020	"	0.200		102	70-130			
Fluorene	0.216	0.020	"	0.200		108	70-130			
Indeno (1,2,3-cd) pyrene	0.237	0.020	"	0.200		119	70-130			
Naphthalene	0.212	0.002	"	0.200		106	70-130			
Pyrene	0.208	0.020	"	0.200		104	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.2	60-130			
Surrogate: Anthracene-d10	200		"	200		97.8	60-130			
Surrogate: Pyrene-d10	190		"	200		96.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Matrix Spike (B5H1835-MS1)

Source: E5H0384-01

Prepared: 08/18/2025 Analyzed: 08/18/2025

1-Methylnaphthalene	0.229	0.002	mg/kg dry	0.212	ND	108	70-130			
2-Methylnaphthalene	0.248	0.002	"	0.212	ND	117	70-130			
Acenaphthene	0.240	0.021	"	0.212	ND	113	70-130			
Anthracene	0.227	0.021	"	0.212	ND	107	70-130			
Benzo (a) anthracene	0.228	0.005	"	0.212	0.001	107	70-130			
Benzo (a) pyrene	0.234	0.021	"	0.212	0.001	110	70-130			
Benzo (b) fluoranthene	0.227	0.021	"	0.212	ND	107	70-130			
Benzo (k) fluoranthene	0.216	0.021	"	0.212	ND	102	70-130			
Chrysene	0.247	0.021	"	0.212	0.0006	116	70-130			
Dibenz (a,h) anthracene	0.257	0.021	"	0.212	0.0005	121	70-130			
Fluoranthene	0.232	0.021	"	0.212	ND	110	70-130			
Fluorene	0.240	0.021	"	0.212	0.001	113	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 B5H1835 - EPA 3530

Matrix Spike (B5H1835-MS1)		Source: E5H0384-01			Prepared: 08/18/2025 Analyzed: 08/18/2025					
Indeno (1,2,3-cd) pyrene	0.259	0.021	mg/kg dry	0.212	ND	122	70-130			
Naphthalene	0.229	0.002	"	0.212	ND	108	70-130			
Pyrene	0.225	0.021	"	0.212	ND	106	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	200		"	200		97.6	60-130			
Surrogate: Pyrene-d10	190		"	200		96.8	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

Matrix Spike Dup (B5H1835-MSD1)		Source: E5H0384-01			Prepared: 08/18/2025 Analyzed: 08/18/2025					
1-Methylnaphthalene	0.223	0.002	mg/kg dry	0.212	ND	105	70-130	2.83	20	
2-Methylnaphthalene	0.244	0.002	"	0.212	ND	115	70-130	1.56	20	
Acenaphthene	0.233	0.021	"	0.212	ND	110	70-130	2.72	20	
Anthracene	0.226	0.021	"	0.212	ND	107	70-130	0.578	20	
Benzo (a) anthracene	0.226	0.005	"	0.212	0.001	106	70-130	0.684	20	
Benzo (a) pyrene	0.234	0.021	"	0.212	0.001	110	70-130	0.0229	20	
Benzo (b) fluoranthene	0.233	0.021	"	0.212	ND	110	70-130	2.66	20	
Benzo (k) fluoranthene	0.235	0.021	"	0.212	ND	111	70-130	8.17	20	
Chrysene	0.229	0.021	"	0.212	0.0006	108	70-130	7.48	20	
Dibenz (a,h) anthracene	0.261	0.021	"	0.212	0.0005	123	70-130	1.57	20	
Fluoranthene	0.228	0.021	"	0.212	ND	108	70-130	1.73	20	
Fluorene	0.236	0.021	"	0.212	0.001	111	70-130	1.95	20	
Indeno (1,2,3-cd) pyrene	0.252	0.021	"	0.212	ND	119	70-130	2.78	20	
Naphthalene	0.223	0.002	"	0.212	ND	105	70-130	2.70	20	
Pyrene	0.222	0.021	"	0.212	ND	105	70-130	1.35	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		97.9	60-130			
Surrogate: Pyrene-d10	200		"	200		97.8	60-130			

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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 B5H1835 - EPA 3530

Matrix Spike Dup (B5H1835-MSD1)

Source: E5H0384-01

Prepared: 08/18/2025 Analyzed: 08/18/2025

Surrogate: Benzo (a) pyrene-d12	210		ug/kg	200		104	60-130			
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Kayla Kenyon, Project Manager



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Scott Williamson
 Project Number: 37851
 Project: Chevron - McClellan 03-32 (FAC)

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
Batch B5H1834 - EPA 3550B										
Blank (B5H1834-BLK1)										
					Prepared: 08/18/2025 Analyzed: 08/18/2025					
Diesel (C10-C28)	ND	25.0	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	100	"							U
Surrogate: o-Terphenyl	30		"	24.9		121	50-150			
LCS (B5H1834-BS1)										
					Prepared: 08/18/2025 Analyzed: 08/18/2025					
Diesel (C10-C28)	1070	50.0	mg/kg wet	1000		107	70-130			
Residual Range Organics (C28-C36)	1060	200	"	1000		106	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			
Matrix Spike (B5H1834-MS1)										
		Source: E5H0386-01			Prepared: 08/18/2025 Analyzed: 08/18/2025					
Diesel (C10-C28)	1150	60.2	mg/kg dry	1200	ND	95.3	70-130			
Residual Range Organics (C28-C36)	1170	241	"	1200	ND	97.7	70-130			
Surrogate: o-Terphenyl	53		"	59.9		88.4	50-150			
Matrix Spike Dup (B5H1834-MSD1)										
		Source: E5H0386-01			Prepared: 08/18/2025 Analyzed: 08/18/2025					
Diesel (C10-C28)	1240	60.2	mg/kg dry	1200	ND	103	70-130	7.57	35	
Residual Range Organics (C28-C36)	1280	241	"	1200	ND	107	70-130	8.77	35	
Surrogate: o-Terphenyl	68		"	59.9		114	50-150			

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Scott Williamson
 Project Number: 37851
 Project: Chevron - McClellan 03-32 (FAC)

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 B5H1848 - EPA 3050B

Blank (B5H1848-BLK1)

Prepared: 08/18/2025 Analyzed: 08/19/2025

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 (B5H1848-BS1)

Prepared: 08/18/2025 Analyzed: 08/19/2025

Arsenic	5.20	0.218	mg/kg wet	5.00		104	80-120			
Barium	524	61.5	"	500		105	80-120			
Cadmium	5.73	0.285	"	5.00		115	80-120			
Copper	57.0	34.5	"	50.0		114	80-120			
Lead	5.56	10.5	"	5.00		111	80-120			U
Nickel	5.50	19.5	"	5.00		110	80-120			U
Selenium	5.62	0.184	"	5.00		112	80-120			
Silver	5.64	0.600	"	5.00		113	80-120			
Zinc	52.2	278	"	50.0		104	80-120			U

Matrix Spike (B5H1848-MS1)

Source: E5H0382-01

Prepared: 08/18/2025 Analyzed: 08/19/2025

Arsenic	7.25	0.211	mg/kg dry	4.83	3.27	82.4	75-125			
Barium	578	59.4	"	483	71.2	105	75-125			
Cadmium	5.20	0.275	"	4.83	0.134	105	75-125			
Copper	59.2	33.3	"	48.3	7.97	106	75-125			
Lead	11.9	10.1	"	4.83	7.79	84.1	75-125			

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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Scott Williamson
 Project Number: 37851
 Project: Chevron - McClellan 03-32 (FAC)

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 B5H1848 - EPA 3050B

Matrix Spike (B5H1848-MS1)

Source: E5H0382-01

Prepared: 08/18/2025 Analyzed: 08/19/2025

Nickel	10.7	18.8	mg/kg dry	4.83	8.38	48.3	75-125			QM-07, U
Selenium	5.26	0.178	"	4.83	0.341	102	75-125			
Silver	5.05	0.580	"	4.83	0.0293	104	75-125			
Zinc	73.2	268	"	48.3	34.5	80.2	75-125			U

Matrix Spike Dup (B5H1848-MSD1)

Source: E5H0382-01

Prepared: 08/18/2025 Analyzed: 08/19/2025

Arsenic	7.21	0.213	mg/kg dry	4.89	3.27	80.5	75-125	0.574	20	
Barium	565	60.2	"	489	71.2	101	75-125	2.21	20	
Cadmium	5.27	0.279	"	4.89	0.134	105	75-125	1.25	20	
Copper	60.1	33.8	"	48.9	7.97	106	75-125	1.57	20	
Lead	11.7	10.3	"	4.89	7.79	79.8	75-125	1.32	20	
Nickel	10.7	19.1	"	4.89	8.38	47.7	75-125	0.0263	20	QM-07, U
Selenium	5.26	0.181	"	4.89	0.341	101	75-125	0.0330	20	
Silver	5.14	0.587	"	4.89	0.0293	104	75-125	1.77	20	
Zinc	74.2	272	"	48.9	34.5	81.1	75-125	1.32	20	U

Batch B5H2141 - EPA 3050B

Blank (B5H2141-BLK1)

Prepared: 08/21/2025 Analyzed: 09/08/2025

Arsenic	ND	0.218	mg/kg							U
Barium	ND	61.2	"							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

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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 B5H2141 - EPA 3050B

Blank (B5H2141-BLK1)

Prepared: 08/21/2025 Analyzed: 09/08/2025

Silver	ND	0.600	mg/kg							U
Zinc	ND	278	"							U

LCS (B5H2141-BS1)

Prepared: 08/21/2025 Analyzed: 09/08/2025

Arsenic	4.85	0.218	mg/kg	5.00		96.9	80-120			
Barium	489	61.2	"	500		97.7	80-120			
Cadmium	4.80	0.285	"	5.00		95.9	80-120			
Copper	51.7	34.5	"	50.0		103	80-120			
Lead	4.74	10.5	"	5.00		94.8	80-120			U
Nickel	4.92	19.5	"	5.00		98.4	80-120			U
Selenium	4.64	0.184	"	5.00		92.7	80-120			
Silver	4.88	0.600	"	5.00		97.6	80-120			
Zinc	50.1	278	"	50.0		100	80-120			U

Matrix Spike (B5H2141-MS1)

Source: E5H0413-01

Prepared: 08/21/2025 Analyzed: 09/08/2025

Arsenic	8.15	0.186	mg/kg	4.26	3.28	114	75-125			
Barium	569	52.1	"	426	69.2	117	75-125			
Cadmium	4.96	0.243	"	4.26	0.0783	115	75-125			
Copper	60.6	29.4	"	42.6	6.50	127	75-125			QM-07
Lead	9.63	8.94	"	4.26	4.80	113	75-125			
Nickel	12.7	16.6	"	4.26	6.77	140	75-125			QM-07, U
Selenium	4.69	0.157	"	4.26	0.160	106	75-125			
Silver	5.14	0.511	"	4.26	0.0135	120	75-125			
Zinc	76.8	236	"	42.6	23.5	125	75-125			U

Matrix Spike Dup (B5H2141-MSD1)

Source: E5H0413-01

Prepared: 08/21/2025 Analyzed: 09/08/2025

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Kayla Kenyon, Project Manager



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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 B5H2141 - EPA 3050B

Matrix Spike Dup (B5H2141-MSD1)

Source: E5H0413-01

Prepared: 08/21/2025 Analyzed: 09/08/2025

Arsenic	11.4	0.189	mg/kg	4.34	3.28	187	75-125	33.3	20	QM-07, QR-DUP
Barium	507	53.2	"	434	69.2	101	75-125	11.7	20	
Cadmium	4.45	0.248	"	4.34	0.0783	101	75-125	10.8	20	
Copper	55.0	30.0	"	43.4	6.50	112	75-125	9.68	20	
Lead	13.9	9.12	"	4.34	4.80	210	75-125	36.6	20	QM-07, QR-DUP
Nickel	12.1	16.9	"	4.34	6.77	121	75-125	5.45	20	U
Selenium	4.36	0.160	"	4.34	0.160	96.7	75-125	7.21	20	
Silver	4.50	0.521	"	4.34	0.0135	103	75-125	13.3	20	
Zinc	70.9	241	"	43.4	23.5	109	75-125	8.02	20	U

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Kayla Kenyon, Project Manager



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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 B5H1838 - Saturated Paste pH/EC

Blank (B5H1838-BLK1)

Prepared: 08/18/2025 Analyzed: 08/20/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
Duplicate (B5H1838-DUP1)		Source: E5H0373-01		Prepared: 08/18/2025 Analyzed: 08/20/2025						
pH	7.98		pH Units		7.81			2.15	25	
Specific Conductance (EC)	3.39	0.00500	mmhos/cm		6.34			60.7	25	QR-DUP

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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 B5H1843 - EPA 5030 (soil)

Blank (B5H1843-BLK1)

Prepared: 08/18/2025 Analyzed: 08/18/2025

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	0.14		"	0.125	108		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	102		70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125	108		70-130			

LCS (B5H1843-BS1)

Prepared: 08/18/2025 Analyzed: 08/18/2025

1,2,4-Trimethylbenzene	0.102	0.002	mg/kg wet	0.100	102		70-130			
1,3,5-Trimethylbenzene	0.099	0.002	"	0.100	98.6		70-130			
Benzene	0.087	0.002	"	0.100	87.2		70-130			
Ethylbenzene	0.100	0.002	"	0.100	100		70-130			
Toluene	0.087	0.002	"	0.100	86.9		70-130			
o-Xylene	0.097	0.002	"	0.100	97.2		70-130			
m,p-Xylene	0.194	0.004	"	0.200	97.1		70-130			

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	106		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	96.3		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	104		70-130			

Matrix Spike (B5H1843-MS1)

Source: E5H0381-01

Prepared: 08/18/2025 Analyzed: 08/18/2025

1,2,4-Trimethylbenzene	0.116	0.002	mg/kg dry	0.114	ND	102	70-130			
1,3,5-Trimethylbenzene	0.113	0.002	"	0.114	ND	99.4	70-130			
Benzene	0.103	0.002	"	0.114	ND	90.3	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1843 - EPA 5030 (soil)

Matrix Spike (B5H1843-MS1)		Source: E5H0381-01			Prepared: 08/18/2025 Analyzed: 08/18/2025					
Ethylbenzene	0.115	0.002	mg/kg dry	0.114	ND	101	70-130			
Toluene	0.100	0.002	"	0.114	ND	87.6	70-130			
o-Xylene	0.111	0.002	"	0.114	ND	97.8	70-130			
m,p-Xylene	0.223	0.005	"	0.228	ND	97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.142		106	70-130			
Surrogate: Toluene-d8	0.14		"	0.142		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.142		105	70-130			

Matrix Spike Dup (B5H1843-MSD1)		Source: E5H0381-01			Prepared: 08/18/2025 Analyzed: 08/18/2025					
1,2,4-Trimethylbenzene	0.111	0.002	mg/kg dry	0.114	ND	97.2	70-130	4.41	20	
1,3,5-Trimethylbenzene	0.108	0.002	"	0.114	ND	95.2	70-130	4.32	20	
Benzene	0.099	0.002	"	0.114	ND	87.3	70-130	3.42	20	
Ethylbenzene	0.110	0.002	"	0.114	ND	96.5	70-130	4.83	20	
Toluene	0.096	0.002	"	0.114	ND	84.1	70-130	4.03	20	
o-Xylene	0.106	0.002	"	0.114	ND	93.0	70-130	5.07	20	
m,p-Xylene	0.215	0.005	"	0.228	ND	94.4	70-130	3.52	20	
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.142		106	70-130			
Surrogate: Toluene-d8	0.14		"	0.142		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.142		105	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 380842 - EPA 3060A										
BLANK (QC1289916)										
					Prepared: 09/02/2025 Analyzed: 09/03/2025					
Hexavalent Chromium	ND	0.30	mg/Kg							ND
LCS (QC1289917)										
					Prepared: 09/02/2025 Analyzed: 09/03/2025					
Hexavalent Chromium	41.29	0.5976	mg/Kg	39.84		104	80-120			
Duplicate (QC1289919)										
					Source: E5H0382-01 Prepared: 09/02/2025 Analyzed: 09/03/2025					
Hexavalent Chromium	ND	0.3305	mg/Kg dry		0				30	ND
Matrix Spike (QC1289920)										
					Source: E5H0382-01 Prepared: 09/02/2025 Analyzed: 09/03/2025					
Hexavalent Chromium	23.21	0.6533	mg/Kg dry	43.55	0	53	70-130			*

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Notes and Definitions

- U Sample is Non-Detect.
 - S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
 - R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
 - 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.
 - ND Not Detected
 - * Value is outside QC limits
 - 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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