



Montrose Environmental

Richie Blessing

471 Denver Ave

Loveland

CO

80537

March 24, 2025

Project Name - Chevron - Baker State B #36-11

Project Number - 20766

Attached are your analytical results for Chevron - Baker State B #36-11 received by Origins Laboratory February 20, 2025. This project is associated with Origins project number E5B0525-01.

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

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6'	E5B0525-01	Soil	February 17, 2025 11:26	02/20/2025 17:10
FLR01@5'	E5B0525-02	Soil	February 17, 2025 10:48	02/20/2025 17:10
WH01BKG01@5'	E5B0525-06	Soil	February 17, 2025 9:11	02/20/2025 17:10
WH01BKG01@6'	E5B0525-07	Soil	February 17, 2025 9:15	02/20/2025 17:10
FL01@4'	E5B0525-10	Soil	February 17, 2025 8:58	02/20/2025 17:10
FL02@4'	E5B0525-11	Soil	February 17, 2025 9:55	02/20/2025 17:10
FL03@4'	E5B0525-12	Soil	February 17, 2025 10:15	02/20/2025 17:10
FL04@4'	E5B0525-13	Soil	February 17, 2025 10:52	02/20/2025 17:10
FL05@4'	E5B0525-14	Soil	February 17, 2025 12:23	02/20/2025 17:10
FL06@4'	E5B0525-15	Soil	February 17, 2025 12:42	02/20/2025 17:10
FL07@4'	E5B0525-16	Soil	February 17, 2025 12:55	02/20/2025 17:10
FL08@4'	E5B0525-17	Soil	February 17, 2025 13:16	02/20/2025 17:10
FLBKG01@4'	E5B0525-18	Soil	February 17, 2025 9:14	02/20/2025 17:10
FLBKG02@4'	E5B0525-19	Soil	February 17, 2025 11:28	02/20/2025 17:10

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471 Denver Ave
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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FLBKG03@4	E5B0525-20	Soil	February 17, 2025 13:06	02/20/2025 17:10

Origins Laboratory

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Montrose Environmental
471 Denver Ave
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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

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EDDADA

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Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis	Comments
W101-06'	2/17/25	11:26	3	UNP	915 inorganic 915 organics	on hold
FL01-05'	1/10/25	10:48	3			on hold
W101-05'	1/10/25	10:16	3			on hold
W101-05'	1/10/25	11:35	3			on hold
W101-05'	1/10/25	10:40	3			on hold
W101-06'	1/10/25	9:15	2			on hold
W101-06'	1/10/25	9:15	2			on hold
W101-06'	1/10/25	10:00	2			on hold
W101-06'	1/10/25	10:05	2			on hold
FL01-04'	1/10/25	9:51	3			on hold

Refrigerated By: CR Robertson Date: 2/17/25 Time: 14:00 Received By: ME Date: 02/20/25 Time: 17:10

Temp Received - 5.1 °C Received on ice? Yes No

Turnaround Time: 48 Hr 72 Hr 24 Hr 1 DAY


Client: Montrose Environmental Project Manager: Richie Blessing Key: W=Water

Address: 471 N Denver Ave Project Name: Baker State B #36-11 CIL=Groundwater

Telephone Number: 702 470-9146 Collected By: CR, SS, RG, ME SW=Surface Water

Email Address: Chevron - Montrose Invoice/Billing Info: Bill to Chevron W1=Waste Water

S=Soil | SC=Soil (0=0) | Ashtr | G=Gas | UNP=Unpres | HCl=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | MAOH=Sodium Hydroxide | Liquid

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Montrose Environmental
471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

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ESB0525

Page 1 of 2

Sample ID	Date	Time	# of Containers	Matrix Preservative	Analysis	Comments
FL0704	2/17	9:55	3	S WMP		
FL0704		10:15	3			
FL0704		10:52	3			
FL0704		12:33	3			
FL0704		12:55	3			
FL0704		3:16	3			
FL0704		9:42	2			
FL0704		11:28	2			
FL0704		1:06	2			


Reimbursed By: <u>Nick Sporn</u>	Date: <u>2/17/25</u>	Time: <u>11:10</u>	Received By: <u>WK</u>	Date: <u>02/20/25</u>	Time: <u>1:10</u>
Reimbursed By: <u>WK</u>	Date: <u>02/20/25</u>	Time: <u>11:10</u>	Received By: <u>SNW</u>	Date: <u>02/20/25</u>	Time: <u>1:10</u>

Temp Received - 5.1°C Received On Ice? Yes No

Turnaround Time
 48 Hr 72 Hr
 SAME DAY 24 Hr
 Standard

Client: Montrose Environmental
 Address: 471 Denver Ave
Loveland, CO 80537
 Telephone Number: 703 470016
 Email Address: Chevron-Montrose

Project Manager: Richie Blessing
 Project Name: Baker State B #36-11
 Project Number: 20766
 Collected By: R.S., W.F., R.S.
 Invoice Billing Info: Bill to Chevron

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Montrose Environmental
471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESB0525 Client: Montrose
Client Project ID: Baker State
Checklist Completed by: JAR/SMW Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 2/20/25 Airbill #: N/A
Matrix(s) Received: (Check all that apply): Soil/Solid _____ Water _____ Other: _____
(Describe)
Cooler Number/Temperature: 1 / 5.1 °C _____ °C _____ °C _____ °C
Thermometer ID: 7007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽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 Na ₂ O 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 be in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

2/24/25
Date/Time Reviewed

Origins Laboratory

[Signature]

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471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

WH01@6'

2/17/2025 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-01 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00296	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00740	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0411	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0411	0.0833	"	"	"	"	"	
Anthracene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00543	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Chrysene	ND	0.0411	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0411	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Fluorene	ND	0.0411	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00188	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0740	0.150	"	"	"	"	"	
Pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	61.9 %			15-96		"	"	"	

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WH01@6'

2/17/2025 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-01 (Soil)
 Enthalpy Analytical**

PAH BY SW8270

Surrogate: 2-Fluorobiphenyl (Surr)	47.6 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	48.4 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	42.5 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	51.3 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	55.1 %			25-125		"	"	"	

TOTAL METALS BY SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.4 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

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 Project: Chevron - Baker State B #36-11

WH01@6'

2/17/2025 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-01 (Soil)									
Origins Laboratory									
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %				70-130	"	"	"	
Surrogate: Toluene-d8	115 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.7 %				70-130	"	"	"	
Metals by Saturated Paste by EPA 6010									
Calcium	1.01		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.30		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	7.84			pH Units	1	B5B2113	02/21/2025	02/25/2025	

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WH01@6'

2/17/2025 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-01 (Soil)
Origins Laboratory

SAR by 20B Saturated Paste

SAR	1.44		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.336		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.68		0.264	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	33.4		9.10	"	"	"	"	"	"
Cadmium	ND		0.0910	"	"	"	"	"	"
Copper	ND		9.10	"	"	"	"	"	"
Lead	3.07		0.910	"	"	"	"	"	"
Nickel	2.63		0.910	"	"	"	"	"	"
Selenium	ND		0.237	"	"	"	"	"	"
Silver	ND		0.0910	"	"	"	"	"	"
Zinc	ND		33.7	"	"	"	"	"	"

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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FLR01@5'
2/17/2025 10:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-02 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00297	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00743	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0412	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0412	0.0833	"	"	"	"	"	
Anthracene	ND	0.0412	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00545	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0412	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0412	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0412	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0412	0.0833	"	"	"	"	"	
Chrysene	ND	0.0412	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0412	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0412	0.0833	"	"	"	"	"	
Fluorene	ND	0.0412	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0412	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00188	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0743	0.150	"	"	"	"	"	
Pyrene	ND	0.0412	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	67.8 %			15-96					

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 471 Denver Ave
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 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FLR01@5'
 2/17/2025 10:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-02 (Soil)
 Enthalpy Analytical**

PAH BY SW8270

Surrogate: 2-Fluorobiphenyl (Surr)	55.1 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	57.4 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	49.9 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	59.8 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	61.2 %			25-125		"	"	"	

TOTAL METALS BY SW7199

Chromium, Hexavalent	0.20	0.20	0.20	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.116		0.0999	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	90.6 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

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Project Number: 20766
Project: Chevron - Baker State B #36-11

FLR01@5'
2/17/2025 10:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-02 (Soil)									
Origins Laboratory									
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %				70-130	"	"	"	
Surrogate: Toluene-d8	111 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.7 %				70-130	"	"	"	
Metals by Saturated Paste by EPA 6010									
Calcium	1.56		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	0.950		0.823	"	"	"	"	"	
Sodium	4.33		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.29			pH Units	1	B5B2113	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									

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 Project Number: 20766
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FLR01@5'
 2/17/2025 10:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-02 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	3.86		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.755		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.02		0.271	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	48.5		9.35	"	"	"	"	"	
Cadmium	ND		0.0935	"	"	"	"	"	
Copper	ND		9.35	"	"	"	"	"	
Lead	3.64		0.935	"	"	"	"	"	
Nickel	3.79		0.935	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0935	"	"	"	"	"	
Zinc	ND		34.6	"	"	"	"	"	

Origins Laboratory

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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

WH01BKG01@5'
2/17/2025 9:11:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-06 (Soil)
Enthalpy Analytical

TOTAL METALS BY SW7199

Chromium, Hexavalent	0.20	0.20	0.20	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	ND		0.102	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.803		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.75		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.44			pH Units	1	B5B2113	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

SAR	3.33		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.441		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	
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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

WH01BKG01@5'
2/17/2025 9:11:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.74		0.284	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	36.6		9.80	"	"	"	"	"	"
Cadmium	ND		0.0980	"	"	"	"	"	"
Copper	ND		9.80	"	"	"	"	"	"
Lead	3.01		0.980	"	"	"	"	"	"
Nickel	2.86		0.980	"	"	"	"	"	"
Selenium	ND		0.255	"	"	"	"	"	"
Silver	ND		0.0980	"	"	"	"	"	"
Zinc	ND		36.3	"	"	"	"	"	"

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Richie Blessing
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 Project: Chevron - Baker State B #36-11

WH01BKG01@6'
2/17/2025 9:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-07 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.19	0.19	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.121		0.100	mg/L	1	B5B2110	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.60		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	1.15		0.823	"	"	"	"	"	
Sodium	3.85		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.26			pH Units	1	B5B2113	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	3.29		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.706		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	

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Richie Blessing
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 Project: Chevron - Baker State B #36-11

WH01BKG01@6'
2/17/2025 9:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.94		0.272	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	34.6		9.37	"	"	"	"	"	
Cadmium	ND		0.0937	"	"	"	"	"	
Copper	ND		9.37	"	"	"	"	"	
Lead	2.98		0.937	"	"	"	"	"	
Nickel	2.87		0.937	"	"	"	"	"	
Selenium	ND		0.244	"	"	"	"	"	
Silver	ND		0.0937	"	"	"	"	"	
Zinc	ND		34.7	"	"	"	"	"	

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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FL01@4'
2/17/2025 8:58:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-10 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00296	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00740	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0411	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0411	0.0833	"	"	"	"	"	
Anthracene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00543	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Chrysene	ND	0.0411	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0411	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Fluorene	ND	0.0411	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00188	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0740	0.150	"	"	"	"	"	
Pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	61.8 %			15-96					

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 Project: Chevron - Baker State B #36-11

FL01@4'
2/17/2025 8:58:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-10 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
Surrogate: 2-Fluorobiphenyl (Surr)	49.2 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	52.3 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	45.5 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	55.0 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	54.2 %			25-125		"	"	"	
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.215		0.0998	mg/L	1	B5B2110	02/21/2025	02/24/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	97.2 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									

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FL01@4'
2/17/2025 8:58:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-10 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	113 %			70-130		"	"	"	
Surrogate: Toluene-d8	106 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.9 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.908		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.40		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.41			pH Units	1	B5B2113	02/21/2025	02/25/2025	
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL01@4'
2/17/2025 8:58:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-10 (Soil)
Origins Laboratory

SAR by 20B Saturated Paste

SAR	3.88		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.535		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.12		0.267	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	75.2		9.20	"	"	"	"	"	"
Cadmium	ND		0.0920	"	"	"	"	"	"
Copper	ND		9.20	"	"	"	"	"	"
Lead	4.98		0.920	"	"	"	"	"	"
Nickel	5.74		0.920	"	"	"	"	"	"
Selenium	ND		0.239	"	"	"	"	"	"
Silver	ND		0.0920	"	"	"	"	"	"
Zinc	ND		34.1	"	"	"	"	"	"

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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL02@4'
2/17/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-11 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00295	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00738	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0410	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0410	0.0833	"	"	"	"	"	
Anthracene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00541	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0410	0.0833	"	"	"	"	"	
Chrysene	ND	0.0410	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0410	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0410	0.0833	"	"	"	"	"	
Fluorene	ND	0.0410	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0410	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00187	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0738	0.150	"	"	"	"	"	
Pyrene	ND	0.0410	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	62.8 %			15-96					

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Montrose Environmental
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 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL02@4'
2/17/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-11 (Soil)
Enthalpy Analytical

PAH BY SW8270

Surrogate: 2-Fluorobiphenyl (Surr)	48.1 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	47.1 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	44.1 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	52.9 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	57.9 %			25-125		"	"	"	

TOTAL METALS BY SW7199

Chromium, Hexavalent	0.27	0.20	0.20	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.426		0.0999	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	94.0 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

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 Project: Chevron - Baker State B #36-11

FL02@4'
2/17/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-11 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	114 %				70-130	"	"	"	
Surrogate: Toluene-d8	106 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %				70-130	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	13.2		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	8.31		0.823	"	"	"	"	"	
Sodium	10.9		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.11			pH Units	1	B5B2113	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL02@4'

2/17/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-11 (Soil)
 Origins Laboratory**

SAR by 20B Saturated Paste

SAR	3.33		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.65		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.82		0.278	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	155		9.60	"	"	"	"	"	"
Cadmium	0.169		0.0960	"	"	"	"	"	"
Copper	13.6		9.60	"	"	"	"	"	"
Lead	9.74		0.960	"	"	"	"	"	"
Nickel	10.0		0.960	"	"	"	"	"	"
Selenium	ND		0.250	"	"	"	"	"	"
Silver	ND		0.0960	"	"	"	"	"	"
Zinc	54.9		35.5	"	"	"	"	"	"

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 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL03@4'

2/17/2025 10:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-12 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00293	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00733	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0407	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0407	0.0833	"	"	"	"	"	
Anthracene	ND	0.0407	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00537	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0407	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0407	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0407	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0407	0.0833	"	"	"	"	"	
Chrysene	ND	0.0407	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0407	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0407	0.0833	"	"	"	"	"	
Fluorene	ND	0.0407	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0407	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00186	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0733	0.150	"	"	"	"	"	
Pyrene	ND	0.0407	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	57.8 %			15-96					

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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL03@4'

2/17/2025 10:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-12 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
Surrogate: 2-Fluorobiphenyl (Surr)	44.7 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	27.8 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	41.6 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	50.1 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	52.5 %			25-125		"	"	"	
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.21	0.21	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.271		0.0992	mg/L	1	B5B2110	02/21/2025	02/24/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	81.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									

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Project Number: 20766
Project: Chevron - Baker State B #36-11

FL03@4'

2/17/2025 10:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-12 (Soil)
Origins Laboratory**

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	115 %			70-130		"	"	"	
Surrogate: Toluene-d8	108 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.2 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.70		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	1.15		0.823	"	"	"	"	"	
Sodium	1.62		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B5B2113	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

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Montrose Environmental
 471 Denver Ave
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL03@4'

2/17/2025 10:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-12 (Soil)
Origins Laboratory

SAR by 20B Saturated Paste

SAR	1.36		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.460		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.34		0.277	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	112		9.57	"	"	"	"	"	"
Cadmium	0.190		0.0957	"	"	"	"	"	"
Copper	12.0		9.57	"	"	"	"	"	"
Lead	10.4		0.957	"	"	"	"	"	"
Nickel	8.49		0.957	"	"	"	"	"	"
Selenium	ND		0.249	"	"	"	"	"	"
Silver	ND		0.0957	"	"	"	"	"	"
Zinc	49.5		35.4	"	"	"	"	"	"

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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL04@4'

2/17/2025 10:52:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-13 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00299	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00748	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0415	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0415	0.0833	"	"	"	"	"	
Anthracene	ND	0.0415	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00548	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0415	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0415	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0415	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0415	0.0833	"	"	"	"	"	
Chrysene	ND	0.0415	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0415	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0415	0.0833	"	"	"	"	"	
Fluorene	ND	0.0415	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0415	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00189	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0748	0.150	"	"	"	"	"	
Pyrene	ND	0.0415	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	47.3 %			15-96					

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Montrose Environmental
471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FL04@4'

2/17/2025 10:52:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-13 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
Surrogate: 2-Fluorobiphenyl (Surr)	36.8 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	22.6 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	33.3 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	40.0 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	45.1 %			25-125		"	"	"	
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.21	0.21	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.163		0.101	mg/L	1	B5B2110	02/21/2025	02/24/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	83.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									

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Montrose Environmental
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL04@4'

2/17/2025 10:52:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-13 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	117 %			70-130		"	"	"	
Surrogate: Toluene-d8	101 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.533		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.945		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.84			pH Units	1	B5B2113	02/21/2025	02/25/2025	
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Montrose Environmental
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL04@4'

2/17/2025 10:52:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-13 (Soil)
 Origins Laboratory**

SAR by 20B Saturated Paste

SAR	1.40		0.0100	SAR	1	B5B2105	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.203		0.00500	mmhos/cm	1	B5B2113	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.82		0.288	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	92.3		9.92	"	"	"	"	"	"
Cadmium	0.116		0.0992	"	"	"	"	"	"
Copper	ND		9.92	"	"	"	"	"	"
Lead	6.19		0.992	"	"	"	"	"	"
Nickel	7.22		0.992	"	"	"	"	"	"
Selenium	ND		0.258	"	"	"	"	"	"
Silver	ND		0.0992	"	"	"	"	"	"
Zinc	ND		36.7	"	"	"	"	"	"

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Montrose Environmental
471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FL05@4'

2/17/2025 12:23:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-14 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00296	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00740	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0411	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0411	0.0833	"	"	"	"	"	
Anthracene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00543	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0411	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Chrysene	ND	0.0411	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0411	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0411	0.0833	"	"	"	"	"	
Fluorene	ND	0.0411	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00188	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0740	0.150	"	"	"	"	"	
Pyrene	ND	0.0411	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	60.4 %			15-96					

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FL05@4'

2/17/2025 12:23:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-14 (Soil)
 Enthalpy Analytical**

PAH BY SW8270

Surrogate: 2-Fluorobiphenyl (Surr)	47.2 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	50.1 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	44.3 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	52.9 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	52.4 %			25-125		"	"	"	

TOTAL METALS BY SW7199

Chromium, Hexavalent	0.42	0.21	0.21	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
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Boron (DTPA Sorbitol)

Boron	0.254		0.100	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.9 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

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 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL05@4'

2/17/2025 12:23:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-14 (Soil)
 Origins Laboratory**

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/24/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	02/22/2025	U

Surrogate: 1,2-Dichloroethane-d4	92.3 %				70-130	"	"	02/24/2025	
Surrogate: Toluene-d8	101 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %				70-130	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	7.69		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	5.28		0.823	"	"	"	"	"	
Sodium	9.27		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.15			pH Units	1	B5B2114	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

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 471 Denver Ave
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL05@4'

2/17/2025 12:23:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-14 (Soil)
 Origins Laboratory**

SAR by 20B Saturated Paste

SAR	3.64		0.0100	SAR	1	B5B2106	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.03		0.00500	mmhos/cm	1	B5B2114	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.90		0.269	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	74.3		9.28	"	"	"	"	"	"
Cadmium	0.0965		0.0928	"	"	"	"	"	"
Copper	ND		9.28	"	"	"	"	"	"
Lead	8.20		0.928	"	"	"	"	"	"
Nickel	7.85		0.928	"	"	"	"	"	"
Selenium	ND		0.241	"	"	"	"	"	"
Silver	ND		0.0928	"	"	"	"	"	"
Zinc	41.9		34.3	"	"	"	"	"	"

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 471 Denver Ave
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL06@4'

2/17/2025 12:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-15 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00294	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00735	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0408	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0408	0.0833	"	"	"	"	"	
Anthracene	ND	0.0408	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00539	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0408	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0408	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0408	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0408	0.0833	"	"	"	"	"	
Chrysene	ND	0.0408	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0408	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0408	0.0833	"	"	"	"	"	
Fluorene	ND	0.0408	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0408	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00186	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0735	0.150	"	"	"	"	"	
Pyrene	ND	0.0408	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	63.3 %			15-96					

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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL06@4'

2/17/2025 12:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-15 (Soil)
 Enthalpy Analytical**

PAH BY SW8270

Surrogate: 2-Fluorobiphenyl (Surr)	50.1 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	53.3 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	47.7 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	56.1 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	55.5 %			25-125		"	"	"	

TOTAL METALS BY SW7199

Chromium, Hexavalent	0.20	0.20	0.20	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.773		0.0989	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	94.1 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

Origins Laboratory

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Montrose Environmental
471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FL06@4'

2/17/2025 12:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-15 (Soil)
Origins Laboratory**

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/23/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.0 %				70-130	"	"	"	
Surrogate: Toluene-d8	102 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3 %				70-130	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.81		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	2.67		0.823	"	"	"	"	"	
Sodium	9.41		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.47			pH Units	1	B5B2114	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

Origins Laboratory

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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL06@4'

2/17/2025 12:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-15 (Soil)
Origins Laboratory

SAR by 20B Saturated Paste

SAR	6.29		0.0100	SAR	1	B5B2106	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.40		0.00500	mmhos/cm	1	B5B2114	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.42		0.277	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	55.7		9.55	"	"	"	"	"	"
Cadmium	ND		0.0955	"	"	"	"	"	"
Copper	ND		9.55	"	"	"	"	"	"
Lead	5.22		0.955	"	"	"	"	"	"
Nickel	5.48		0.955	"	"	"	"	"	"
Selenium	ND		0.248	"	"	"	"	"	"
Silver	ND		0.0955	"	"	"	"	"	"
Zinc	ND		35.4	"	"	"	"	"	"

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Montrose Environmental
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL07@4'

2/17/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-16 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00291	0.00600	mg/kg	1	BIB1100	02/26/2025	02/27/2025	
2-Methylnaphthalene	ND	0.00728	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0404	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0404	0.0833	"	"	"	"	"	
Anthracene	ND	0.0404	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00534	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0404	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0404	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0404	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0404	0.0833	"	"	"	"	"	
Chrysene	ND	0.0404	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0404	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0404	0.0833	"	"	"	"	"	
Fluorene	ND	0.0404	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0404	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00184	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0728	0.150	"	"	"	"	"	
Pyrene	ND	0.0404	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	66.6 %			15-96					

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 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL07@4'

2/17/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-16 (Soil)
 Enthalpy Analytical**

PAH BY SW8270

Surrogate: 2-Fluorobiphenyl (Surr)	49.2 %			19-105		BIB1100	02/26/2025	02/27/2025	
Surrogate: 2-Fluorophenol (Surr)	52.0 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	46.0 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	55.2 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	60.7 %			25-125		"	"	"	

TOTAL METALS BY SW7199

Chromium, Hexavalent	0.20	0.20	0.20	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.280		0.102	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.1 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

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471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FL07@4'

2/17/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-16 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/23/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.2 %				70-130	"	"	"	
Surrogate: Toluene-d8	102 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %				70-130	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.84		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	1.80		0.823	"	"	"	"	"	
Sodium	4.06		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.43			pH Units	1	B5B2114	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

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Montrose Environmental
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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FL07@4'

2/17/2025 12:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-16 (Soil)
Origins Laboratory

SAR by 20B Saturated Paste

SAR	3.01		0.0100	SAR	1	B5B2106	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.716		0.00500	mmhos/cm	1	B5B2114	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.61		0.267	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	56.0		9.21	"	"	"	"	"	"
Cadmium	ND		0.0921	"	"	"	"	"	"
Copper	ND		9.21	"	"	"	"	"	"
Lead	3.98		0.921	"	"	"	"	"	"
Nickel	4.53		0.921	"	"	"	"	"	"
Selenium	ND		0.239	"	"	"	"	"	"
Silver	ND		0.0921	"	"	"	"	"	"
Zinc	ND		34.1	"	"	"	"	"	"

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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

FL08@4'
2/17/2025 1:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-17 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
1-Methylnaphthalene	ND	0.00295	0.00600	mg/kg	1	BIB1100	02/26/2025	02/28/2025	
2-Methylnaphthalene	ND	0.00738	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0410	0.0833	"	"	"	"	"	
Acenaphthylene	ND	0.0410	0.0833	"	"	"	"	"	
Anthracene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00541	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0410	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0410	0.0833	"	"	"	"	"	
Chrysene	ND	0.0410	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0410	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0410	0.0833	"	"	"	"	"	
Fluorene	ND	0.0410	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0410	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00187	0.00380	"	"	"	"	"	
Phenanthrene	ND	0.0738	0.150	"	"	"	"	"	
Pyrene	ND	0.0410	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	50.4 %			15-96		"	"	"	

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 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL08@4'
2/17/2025 1:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-17 (Soil)									
Enthalpy Analytical									
PAH BY SW8270									
Surrogate: 2-Fluorobiphenyl (Surr)	43.6 %			19-105		BIB1100	02/26/2025	02/28/2025	
Surrogate: 2-Fluorophenol (Surr)	42.4 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	39.6 %			21-100		"	"	"	
Surrogate: Phenol-d5 (Surr)	47.9 %			13-100		"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	48.2 %			25-125		"	"	"	
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.21	0.21	mg/kg	1	BIC0916	03/15/2025	03/18/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.113		0.0992	mg/L	1	B5B2110	02/21/2025	02/24/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B2122	02/21/2025	02/24/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	89.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									

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 Loveland CO 80537

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 Project: Chevron - Baker State B #36-11

FL08@4'
2/17/2025 1:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-17 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B2120	02/21/2025	02/23/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.6 %				70-130	"	"	"	
Surrogate: Toluene-d8	102 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %				70-130	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.22		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.94		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.38			pH Units	1	B5B2114	02/21/2025	02/25/2025	
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FL08@4'
2/17/2025 1:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-17 (Soil)
Origins Laboratory

SAR by 20B Saturated Paste

SAR	1.92		0.0100	SAR	1	B5B2106	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.411		0.00500	mmhos/cm	1	B5B2114	02/21/2025	02/25/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.21		0.271	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	70.7		9.35	"	"	"	"	"	"
Cadmium	ND		0.0935	"	"	"	"	"	"
Copper	ND		9.35	"	"	"	"	"	"
Lead	4.58		0.935	"	"	"	"	"	"
Nickel	5.75		0.935	"	"	"	"	"	"
Selenium	ND		0.243	"	"	"	"	"	"
Silver	ND		0.0935	"	"	"	"	"	"
Zinc	ND		34.6	"	"	"	"	"	"

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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FLBKG01@4'
2/17/2025 9:14:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5B0525-18 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0870	03/17/2025	03/17/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.434		0.101	mg/L	1	B5B2110	02/21/2025	02/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	11.0		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	8.57		0.823	"	"	"	"	"	
Sodium	15.8		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.11			pH Units	1	B5B2114	02/21/2025	02/25/2025	
SAR by 20B Saturated Paste									
SAR	5.05		0.0100	SAR	1	B5B2106	02/21/2025	02/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	2.92		0.00500	mmhos/cm	1	B5B2114	02/21/2025	02/25/2025	

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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FLBKG01@4'

2/17/2025 9:14:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-18 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	6.51		0.273	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	140		9.40	"	"	"	"	"	"
Cadmium	0.178		0.0940	"	"	"	"	"	"
Copper	14.5		9.40	"	"	"	"	"	"
Lead	11.2		0.940	"	"	"	"	"	"
Nickel	14.0		0.940	"	"	"	"	"	"
Selenium	ND		0.244	"	"	"	"	"	"
Silver	ND		0.0940	"	"	"	"	"	"
Zinc	57.1		34.8	"	"	"	"	"	"

Origins Laboratory

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 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FLBKG02@4'

2/17/2025 11:28:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5B0525-19 (Soil)
 Enthalpy Analytical**

TOTAL METALS BY SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0870	03/17/2025	03/17/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.436		0.0991	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	8.33		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	6.54		0.823	"	"	"	"	"	
Sodium	12.1		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.11			pH Units	1	B5B2114	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

SAR	4.44		0.0100	SAR	1	B5B2106	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.42		0.00500	mmhos/cm	1	B5B2114	02/21/2025	02/25/2025	
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 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FLBKG02@4'

2/17/2025 11:28:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-19 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.45		0.282	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	88.2		9.74	"	"	"	"	"	"
Cadmium	0.132		0.0974	"	"	"	"	"	"
Copper	9.79		9.74	"	"	"	"	"	"
Lead	8.13		0.974	"	"	"	"	"	"
Nickel	9.53		0.974	"	"	"	"	"	"
Selenium	ND		0.253	"	"	"	"	"	"
Silver	ND		0.0974	"	"	"	"	"	"
Zinc	44.5		36.0	"	"	"	"	"	"

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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FLBKG03@4'
2/17/2025 1:06:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-20 (Soil)
Enthalpy Analytical

TOTAL METALS BY SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIC0870	03/17/2025	03/17/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.157		0.101	mg/L	1	B5B2110	02/21/2025	02/24/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.72		0.499	meq/L	10	[CALC]	02/21/2025	02/26/2025	
Magnesium	1.66		0.823	"	"	"	"	"	
Sodium	3.51		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.31			pH Units	1	B5B2114	02/21/2025	02/25/2025	
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SAR by 20B Saturated Paste

SAR	2.70		0.0100	SAR	1	B5B2106	02/21/2025	02/26/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.747		0.00500	mmhos/cm	1	B5B2114	02/21/2025	02/25/2025	
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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

FLBKG03@4'

2/17/2025 1:06:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5B0525-20 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.23		0.275	mg/kg	10	B5B2123	02/21/2025	02/24/2025	
Barium	114		9.49	"	"	"	"	"	"
Cadmium	ND		0.0949	"	"	"	"	"	"
Copper	ND		9.49	"	"	"	"	"	"
Lead	4.18		0.949	"	"	"	"	"	"
Nickel	4.09		0.949	"	"	"	"	"	"
Selenium	ND		0.247	"	"	"	"	"	"
Silver	ND		0.0949	"	"	"	"	"	"
Zinc	ND		35.1	"	"	"	"	"	"

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Montrose Environmental
471 Denver Ave
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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

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 B5B2105 - Saturated Paste Metals

Blank (B5B2105-BLK1)

Prepared: 02/21/2025 Analyzed: 02/26/2025

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 (B5B2105-DUP1)

Source: E5B0520-02

Prepared: 02/21/2025 Analyzed: 02/26/2025

SAR	ND	0.0100	SAR	0.644				200		
Calcium PPM	25.8	10.0	mg/L	33.1				24.8	50	
Magnesium PPM	12.0	10.0	"	15.2				23.9	50	
Sodium PPM	15.1	10.0	"	17.8				16.3	50	

Batch B5B2106 - Saturated Paste Metals

Blank (B5B2106-BLK1)

Prepared: 02/21/2025 Analyzed: 02/26/2025

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 (B5B2106-DUP1)

Source: E5B0525-14

Prepared: 02/21/2025 Analyzed: 02/26/2025

Calcium PPM	102	10.0	mg/L	154				40.9	50	
SAR	ND	0.0100	SAR	3.64					200	
Magnesium PPM	42.3	10.0	mg/L	64.1				41.1	50	
Sodium PPM	169	10.0	"	213				23.2	50	

Batch B5B2110 - DTPA Sorbitol Preparation

Blank (B5B2110-BLK1)

Prepared: 02/21/2025 Analyzed: 02/24/2025

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Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

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 B5B2110 - DTPA Sorbitol Preparation

Blank (B5B2110-BLK1)

Prepared: 02/21/2025 Analyzed: 02/24/2025

Boron ND 0.100 mg/L

Duplicate (B5B2110-DUP1)

Source: E5B0523-08

Prepared: 02/21/2025 Analyzed: 02/24/2025

Boron 0.109 0.100 mg/L 0.101 7.46 50

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Project Number: 20766
Project: Chevron - Baker State B #36-11

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 B5B2122 - EPA 3550B

Blank (B5B2122-BLK1)

Prepared: 02/21/2025 Analyzed: 02/24/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		86.6	50-150			

LCS (B5B2122-BS1)

Prepared: 02/21/2025 Analyzed: 02/24/2025

Diesel (C10-C28)	891	50.0	mg/kg	1000		89.1	70-130			
Residual Range Organics (C28-C40)	975	200	"	1000		97.5	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

Matrix Spike (B5B2122-MS1)

Source: E5B0523-02

Prepared: 02/21/2025 Analyzed: 02/24/2025

Diesel (C10-C28)	896	50.0	mg/kg	1000	ND	89.6	70-130			
Residual Range Organics (C28-C40)	981	200	"	1000	ND	98.1	70-130			
Surrogate: o-Terphenyl	41		"	49.8		82.9	50-150			

Matrix Spike Dup (B5B2122-MSD1)

Source: E5B0523-02

Prepared: 02/21/2025 Analyzed: 02/24/2025

Diesel (C10-C28)	910	50.0	mg/kg	1000	ND	91.0	70-130	1.56	35	
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130	2.09	35	
Surrogate: o-Terphenyl	48		"	49.8		95.7	50-150			

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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

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 B5B2123 - EPA 3050B

Blank (B5B2123-BLK1)

Prepared: 02/21/2025 Analyzed: 02/24/2025

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 (B5B2123-BS1)

Prepared: 02/21/2025 Analyzed: 02/24/2025

Arsenic	5.69	0.290	mg/kg	5.00		114	80-120			
Barium	559	10.0	"	500		112	80-120			
Cadmium	5.35	0.100	"	5.00		107	80-120			
Copper	54.7	10.0	"	50.0		109	80-120			
Lead	5.22	1.00	"	5.00		104	80-120			
Nickel	5.70	1.00	"	5.00		114	80-120			
Selenium	5.40	0.260	"	5.00		108	80-120			
Silver	5.36	0.100	"	5.00		107	80-120			
Zinc	56.7	37.0	"	50.0		113	80-120			

Matrix Spike (B5B2123-MS1)

Source: E5B0520-01

Prepared: 02/21/2025 Analyzed: 02/24/2025

Arsenic	8.55	0.269	mg/kg	4.64	3.82	102	75-125			
Barium	618	9.27	"	464	123	107	75-125			
Cadmium	5.23	0.0927	"	4.64	0.217	108	75-125			
Copper	57.7	9.27	"	46.4	7.52	108	75-125			
Lead	11.8	0.927	"	4.64	7.85	85.2	75-125			

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 Project: Chevron - Baker State B #36-11

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 B5B2123 - EPA 3050B

Matrix Spike (B5B2123-MS1)

Source: E5B0520-01

Prepared: 02/21/2025 Analyzed: 02/24/2025

Nickel	14.7	0.927	mg/kg	4.64	10.5	90.2	75-125			
Selenium	5.01	0.241	"	4.64	0.125	105	75-125			
Silver	4.92	0.0927	"	4.64	0.0409	105	75-125			
Zinc	86.9	34.3	"	46.4	36.0	110	75-125			

Matrix Spike Dup (B5B2123-MSD1)

Source: E5B0520-01

Prepared: 02/21/2025 Analyzed: 02/24/2025

Arsenic	8.31	0.283	mg/kg	4.88	3.82	92.0	75-125	2.90	20	
Barium	603	9.77	"	488	123	98.3	75-125	2.42	20	
Cadmium	5.16	0.0977	"	4.88	0.217	101	75-125	1.42	20	
Copper	57.3	9.77	"	48.8	7.52	102	75-125	0.606	20	
Lead	11.0	0.977	"	4.88	7.85	63.7	75-125	7.37	20	QM-07
Nickel	13.2	0.977	"	4.88	10.5	54.9	75-125	10.8	20	QM-07
Selenium	5.03	0.254	"	4.88	0.125	100	75-125	0.551	20	
Silver	4.87	0.0977	"	4.88	0.0409	98.9	75-125	0.982	20	
Zinc	81.8	36.1	"	48.8	36.0	93.7	75-125	6.04	20	

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Montrose Environmental
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Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

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 B5B2113 - Saturated Paste pH/EC

Blank (B5B2113-BLK1)

Prepared: 02/21/2025 Analyzed: 02/25/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5B2113-DUP1)

Source: E5B0520-02

Prepared: 02/21/2025 Analyzed: 02/25/2025

pH 8.21 pH Units 8.24 0.365 25

Specific Conductance (EC) 0.352 0.00500 mmhos/cm 0.380 7.79 25

Batch B5B2114 - Saturated Paste pH/EC

Blank (B5B2114-BLK1)

Prepared: 02/21/2025 Analyzed: 02/25/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5B2114-DUP1)

Source: E5B0525-14

Prepared: 02/21/2025 Analyzed: 02/25/2025

pH 8.18 pH Units 8.15 0.367 25

Specific Conductance (EC) 1.54 0.00500 mmhos/cm 2.03 27.4 25 QR-DUP

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Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

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 B5B2120 - EPA 5030 (soil)

Blank (B5B2120-BLK1)

Prepared: 02/21/2025 Analyzed: 02/22/2025

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

Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125	109	70-130
Surrogate: Toluene-d8	0.14		"	0.125	109	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	97.6	70-130

LCS (B5B2120-BS1)

Prepared: 02/21/2025 Analyzed: 02/22/2025

1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg			70-130
1,3,5-Trimethylbenzene	0.113	0.00200	"			70-130
Benzene	0.0991	0.00200	"			70-130
Ethylbenzene	0.115	0.00200	"			70-130
Toluene	0.0956	0.00200	"			70-130
o-Xylene	0.113	0.00200	"			70-130
m,p-Xylene	0.226	0.00400	"			70-130

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	105	70-130
Surrogate: Toluene-d8	0.13		"	0.125	101	70-130
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125	110	70-130

Matrix Spike (B5B2120-MS1)

Source: E5B0525-01

Prepared: 02/21/2025 Analyzed: 02/22/2025

1,2,4-Trimethylbenzene	0.142	0.00200	mg/kg		ND	70-130
1,3,5-Trimethylbenzene	0.156	0.00200	"		ND	70-130
Benzene	0.114	0.00200	"		ND	70-130

Origins Laboratory

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Montrose Environmental
471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

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 B5B2120 - EPA 5030 (soil)

Matrix Spike (B5B2120-MS1)

Source: E5B0525-01

Prepared: 02/21/2025 Analyzed: 02/22/2025

Ethylbenzene	0.161	0.00200	mg/kg		ND		70-130			
Toluene	0.141	0.00200	"		ND		70-130			
o-Xylene	0.152	0.00200	"		ND		70-130			
m,p-Xylene	0.312	0.00400	"		ND		70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.6	70-130			
Surrogate: Toluene-d8	0.17		"	0.125		135	70-130			S-GC
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		113	70-130			

Matrix Spike Dup (B5B2120-MSD1)

Source: E5B0525-01

Prepared: 02/21/2025 Analyzed: 02/22/2025

1,2,4-Trimethylbenzene	0.130	0.00200	mg/kg		ND		70-130	9.25	20	
1,3,5-Trimethylbenzene	0.139	0.00200	"		ND		70-130	11.4	20	
Benzene	0.109	0.00200	"		ND		70-130	4.57	20	
Ethylbenzene	0.142	0.00200	"		ND		70-130	12.5	20	
Toluene	0.112	0.00200	"		ND		70-130	23.2	20	S-GC
o-Xylene	0.138	0.00200	"		ND		70-130	9.56	20	
m,p-Xylene	0.277	0.00400	"		ND		70-130	11.9	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.8	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		111	70-130			

Origins Laboratory

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Montrose Environmental
471 Denver Ave
Loveland CO 80537

Richie Blessing
Project Number: 20766
Project: Chevron - Baker State B #36-11

**PAH BY SW8270 - Quality Control
Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIB1100 - SW3550C/EPA600-MS

Blank (BIB1100-BLK1)

Prepared: 02/26/2025 Analyzed: 02/28/2025

1-Methylnaphthalene	ND	0.00600	mg/kg				-			
2-Methylnaphthalene	ND	0.0150	"				-			
Acenaphthene	ND	0.0833	"				-			
Acenaphthylene	ND	0.0833	"				-			
Anthracene	ND	0.0833	"				-			
Benzo (a) anthracene	ND	0.0110	"				-			
Benzo (a) pyrene	ND	0.0833	"				-			
Benzo (b) fluoranthene	ND	0.0833	"				-			
Benzo (g,h,i) perylene	ND	0.0833	"				-			
Benzo (k) fluoranthene	ND	0.0833	"				-			
Chrysene	ND	0.0833	"				-			
Dibenz (a,h) anthracene	ND	0.0833	"				-			
Fluoranthene	ND	0.0833	"				-			
Fluorene	ND	0.0833	"				-			
Indeno (1,2,3-cd) pyrene	ND	0.0833	"				-			
Naphthalene	ND	0.00380	"				-			
Phenanthrene	ND	0.150	"				-			
Pyrene	ND	0.0833	"				-			

Surrogate: 2,4,6-Tribromophenol (Surr)	1.83		"	3.33		54.9	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	1.08		"	1.67		64.6	19-105			
Surrogate: 2-Fluorophenol (Surr)	1.85		"	3.33		55.4	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	1.06		"	1.67		63.7	21-100			
Surrogate: Phenol-d5 (Surr)	1.97		"	3.33		59.2	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	1.09		"	1.67		65.6	25-125			

LCS (BIB1100-BS1)

Prepared: 02/26/2025 Analyzed: 02/28/2025

1-Methylnaphthalene	ND	0.0833	mg/kg				0-200			
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Montrose Environmental
 471 Denver Ave
 Loveland CO 80537

Richie Blessing
 Project Number: 20766
 Project: Chevron - Baker State B #36-11

PAH BY SW8270 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIB1100 - SW3550C/EPA600-MS

LCS (BIB1100-BS1)

Prepared: 02/26/2025 Analyzed: 02/28/2025

2-Methylnaphthalene	ND	0.0833	mg/kg				70-130			
Acenaphthene	0.931	0.0833	"	1.65		56.4	24-110			
Acenaphthylene	1.01	0.0833	"	1.65		61.5	25-106			
Anthracene	0.981	0.0833	"	1.65		59.4	25-117			
Benzo (a) anthracene	1.13	0.0833	"	1.65		68.4	25-127			
Benzo (a) pyrene	1.17	0.0833	"	1.65		70.8	18-127			
Benzo (b) fluoranthene	1.16	0.0833	"	1.65		70.3	20-132			
Benzo (g,h,i) perylene	1.38	0.0833	"	1.65		83.6	10-136			
Benzo (k) fluoranthene	1.11	0.0833	"	1.65		67.6	14-136			
Chrysene	1.13	0.0833	"	1.65		68.5	21-141			
Dibenz (a,h) anthracene	1.46	0.0833	"	1.65		88.7	10-142			
Fluoranthene	1.08	0.0833	"	1.65		65.6	19-138			
Fluorene	0.970	0.0833	"	1.65		58.8	25-114			
Indeno (1,2,3-cd) pyrene	1.33	0.0833	"	1.65		80.5	10-136			
Naphthalene	0.902	0.0833	"	1.65		54.6	18-109			
Phenanthrene	1.03	0.149	"	1.65		62.4	25-122			
Pyrene	0.989	0.0833	"	1.65		59.9	17-159			
Surrogate: 2,4,6-Tribromophenol (Surr)	1.79		"	3.30		54.2	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.866		"	1.65		52.5	19-105			
Surrogate: 2-Fluorophenol (Surr)	1.74		"	3.30		52.6	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	0.957		"	1.65		58.0	21-100			
Surrogate: Phenol-d5 (Surr)	1.84		"	3.30		55.6	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.915		"	1.65		55.4	25-125			

Matrix Spike (BIB1100-MS1)

Source: 25B1710-01

Prepared: 02/26/2025 Analyzed: 02/28/2025

1-Methylnaphthalene	ND	0.0833	mg/kg		ND		0-200			
2-Methylnaphthalene	ND	0.0833	"		ND		70-130			

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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 BIB1100 - SW3550C/EPA600-MS

Matrix Spike (BIB1100-MS1)			Source: 25B1710-01		Prepared: 02/26/2025 Analyzed: 02/28/2025					
Acenaphthene	0.975	0.0833	mg/kg	1.62	ND	60.0	10-124			
Acenaphthylene	0.958	0.0833	"	1.62	ND	59.0	10-118			
Anthracene	0.925	0.0833	"	1.62	ND	57.0	10-143			
Benzo (a) anthracene	1.12	0.0833	"	1.62	ND	68.7	10-169			
Benzo (a) pyrene	1.22	0.0833	"	1.62	ND	75.2	10-149			
Benzo (b) fluoranthene	1.21	0.0833	"	1.62	ND	74.8	10-150			
Benzo (g,h,i) perylene	1.34	0.0833	"	1.62	ND	82.6	10-123			
Benzo (k) fluoranthene	1.32	0.0833	"	1.62	ND	81.5	10-211			
Chrysene	1.15	0.0833	"	1.62	ND	70.7	10-172			
Dibenz (a,h) anthracene	1.44	0.0833	"	1.62	ND	88.8	10-128			
Fluoranthene	1.13	0.0833	"	1.62	ND	69.6	10-271			
Fluorene	0.965	0.0833	"	1.62	ND	59.4	10-124			
Indeno (1,2,3-cd) pyrene	1.30	0.0833	"	1.62	ND	80.2	10-127			
Naphthalene	0.881	0.0833	"	1.62	0.00196	54.1	10-118			
Phenanthrene	0.973	0.0833	"	1.62	ND	59.9	10-393			
Pyrene	0.983	0.0833	"	1.62	ND	60.6	10-212			
Surrogate: 2,4,6-Tribromophenol (Surr)	1.90		"	3.25		58.6	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.914		"	1.62		56.3	19-105			
Surrogate: 2-Fluorophenol (Surr)	1.23		"	3.25		37.9	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	0.917		"	1.62		56.5	21-100			
Surrogate: Phenol-d5 (Surr)	1.67		"	3.25		51.4	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	1.01		"	1.62		62.5	25-125			

Matrix Spike Dup (BIB1100-MSD1)			Source: 25B1710-01		Prepared: 02/26/2025 Analyzed: 02/28/2025					
1-Methylnaphthalene	ND	0.0833	mg/kg		ND		0-200			20
2-Methylnaphthalene	ND	0.0833	"		ND		70-130			20
Acenaphthene	0.923	0.0833	"	1.67	ND	55.4	10-124	5.46		20

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**PAH BY SW8270 - Quality Control
Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIB1100 - SW3550C/EPA600-MS

Matrix Spike Dup (BIB1100-MSD1)

Source: 25B1710-01

Prepared: 02/26/2025 Analyzed: 02/28/2025

Acenaphthylene	0.879	0.0833	mg/kg	1.67	ND	52.7	10-118	8.67	20	
Anthracene	0.858	0.0833	"	1.67	ND	51.5	10-143	7.44	20	
Benzo (a) anthracene	1.01	0.0833	"	1.67	ND	60.6	10-169	9.87	20	
Benzo (a) pyrene	1.18	0.0833	"	1.67	ND	70.9	10-149	3.32	20	
Benzo (b) fluoranthene	1.28	0.0833	"	1.67	ND	76.7	10-150	5.10	20	
Benzo (g,h,i) perylene	1.27	0.0833	"	1.67	ND	76.0	10-123	5.68	20	
Benzo (k) fluoranthene	1.14	0.0833	"	1.67	ND	68.1	10-211	15.2	20	
Chrysene	1.04	0.0833	"	1.67	ND	62.2	10-172	10.1	20	
Dibenz (a,h) anthracene	1.47	0.0833	"	1.67	ND	88.3	10-128	2.09	20	
Fluoranthene	1.10	0.0833	"	1.67	ND	66.2	10-271	2.44	20	
Fluorene	0.884	0.0833	"	1.67	ND	53.0	10-124	8.78	20	
Indeno (1,2,3-cd) pyrene	1.30	0.0833	"	1.67	ND	78.2	10-127	0.119	20	
Naphthalene	0.833	0.0833	"	1.67	0.00196	49.9	10-118	5.56	20	
Phenanthrene	0.966	0.0833	"	1.67	ND	57.9	10-393	0.762	20	
Pyrene	0.944	0.0833	"	1.67	ND	56.6	10-212	4.13	20	
Surrogate: 2,4,6-Tribromophenol (Surr)	1.81		"	3.33		54.4	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.855		"	1.67		51.3	19-105			
Surrogate: 2-Fluorophenol (Surr)	0.859		"	3.33		25.8	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	0.878		"	1.67		52.7	21-100			
Surrogate: Phenol-d5 (Surr)	1.57		"	3.33		47.1	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.925		"	1.67		55.5	25-125			

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TOTAL METALS BY SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIC0916 - No Prep Wet Chem										
Blank (BIC0916-BLK1)										
					Prepared: 03/15/2025 Analyzed: 03/18/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
LCS (BIC0916-BS1)										
					Prepared: 03/15/2025 Analyzed: 03/18/2025					
Chromium, Hexavalent	0.04	0.005	mg/kg	0.0500		86.0	80-120			
LCS (BIC0916-BS2)										
					Prepared: 03/15/2025 Analyzed: 03/18/2025					
Chromium, Hexavalent	7.00	1.00	mg/kg	8.08		86.6	80-120			
Matrix Spike (BIC0916-MS1)										
		Source: E5B0525-17			Prepared: 03/15/2025 Analyzed: 03/18/2025					
Chromium, Hexavalent	1.60	0.21	mg/kg	2.06	ND	78.0	75-125			
Matrix Spike Dup (BIC0916-MSD1)										
		Source: E5B0525-17			Prepared: 03/15/2025 Analyzed: 03/18/2025					
Chromium, Hexavalent	1.77	0.21	mg/kg	2.06	ND	86.0	75-125	9.99	20	

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TOTAL METALS BY SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIC0870 - No Prep IC-WET

Blank (BIC0870-BLK1)

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

Chromium, Hexavalent ND 0.005 mg/kg -

LCS (BIC0870-BS1)

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

Chromium, Hexavalent 0.05 0.005 mg/kg 0.0500 101 80-120

LCS (BIC0870-BS2)

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

Chromium, Hexavalent 8.74 1.00 mg/kg 8.21 106 80-120

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Notes and Definitions

- U Sample is Non-Detect.
 - S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
 - 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.
 - P Duplicate analysis does not meet the acceptance criteria for precision
 - M Matrix spike recovery is outside established acceptance limits
 - L LCS recovery is outside of established acceptance 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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