



**Stantec Consulting Services**

**Chris Roy**

**2000 S. Colorado Blvd. Suite 2-300**

**Denver CO 80222**

**February 20, 2025**

**Project Name - Amoco 44-17**

**Project Number - 203724474**

Attached are your analytical results for Amoco 44-17 received by Origins Laboratory February 04, 2025. This project is associated with Origins project number E5B0070-01.

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

Stantec Consulting Services  
 2000 S. Colorado Blvd. Suite 2-300  
 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	E5B0070-01	Soil	February 4, 2025 10:07	02/04/2025 16:05
WH-FL01@3'	E5B0070-02	Soil	February 4, 2025 10:48	02/04/2025 16:05
SEP-FL01@3'	E5B0070-03	Soil	February 4, 2025 11:05	02/04/2025 16:05
PWV-B01@6'	E5B0070-04	Soil	February 4, 2025 11:20	02/04/2025 16:05
PWV-W@3'	E5B0070-05	Soil	February 4, 2025 11:23	02/04/2025 16:05
AST-B01@0'	E5B0070-06	Soil	February 4, 2025 11:42	02/04/2025 16:05
SEP-B01@6'	E5B0070-07	Soil	February 4, 2025 12:03	02/04/2025 16:05
BG01@3'	E5B0070-08	Soil	February 4, 2025 12:18	02/04/2025 16:05
BG01@6'	E5B0070-09	Soil	February 4, 2025 12:20	02/04/2025 16:05
BG02@3'	E5B0070-10	Soil	February 4, 2025 12:31	02/04/2025 16:05
BG02@6'	E5B0070-11	Soil	February 4, 2025 12:33	02/04/2025 16:05
BG03@3'	E5B0070-12	Soil	February 4, 2025 12:45	02/04/2025 16:05
BG03@6'	E5B0070-13	Soil	February 4, 2025 12:47	02/04/2025 16:05
BG04@3'	E5B0070-14	Soil	February 4, 2025 13:01	02/04/2025 16:05

Origins Laboratory



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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG04@6'	E5B0070-15	Soil	February 4, 2025 13:04	02/04/2025 16:05
BG05@3'	E5B0070-16	Soil	February 4, 2025 13:15	02/04/2025 16:05
BG05@6'	E5B0070-17	Soil	February 4, 2025 13:17	02/04/2025 16:05
PWV-S@3'	E5B0070-18	Soil	February 4, 2025 14:12	02/04/2025 16:05
PWV-E@3'	E5B0070-19	Soil	February 4, 2025 14:18	02/04/2025 16:05
PWV-N@3'	E5B0070-20	Soil	February 4, 2025 14:25	02/04/2025 16:05

Origins Laboratory



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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

Client: Stantec Project Manager: Chris Roy Key: \_\_\_\_\_  
 Address: 410 17th St Suite 1400 Project Name: Amoco 44-17 W=Water  
 Telephone Number: Denver, CO Project Number: 203724474 GW=Groundwater  
 Email Address: carrey.purcell@stantec.com Collected By: Carrey Purcell SW=Surface Water  
 Invoice/Billing Info: \_\_\_\_\_ WW=Waste Water  
 L=Liquid

S=Soil | SO=Soil | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis	Comments
1	WH-FLOT @ 3'	2/4/2005	1007	3	S			SAMPLE VANNES
2	WH-FLOT @ 3'	2/4/2005	1048	3	S			updated per
3	SEP-FLOT @ 3'	2/4/2005	1105	3	S			CLASS email
4	PW-FLOT @ 3'	2/4/2005	1120	3	S			on 2/5/25 BRD
5	PW-FLOT @ 3'	2/4/2005	1123	3	S			
6	AST-FLOT @ 3'	2/4/2005	1142	3	S			
7	SEP-FLOT @ 3'	2/4/2005	1203	3	S			
8	B601 @ 3'		1218	3	S			
9	B601 @ 6'		1220	3	S			
10	B602 @ 3'		1231	3	S			

Reinquished By: Carrey Purcell Date: 2/4/2005 Time: 1605 Received By: VS Date: 2/4/25 Time: 1605  
 Turnaround Time:  48 Hr  72  Standard  SAME DAY  24 Hr

Temp Received: 58C Received On Ice?  Yes  No

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Stantec Consulting Services  
 2000 S. Colorado Blvd. Suite 2-300  
 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

Client: Shakc  
 Address: 410 17th St Salt Lake  
Denver CO  
 Telephone Number: 832 434 0061  
 Email Address: corey.pirell@stantec.com

Project Manager: Chris Roy  
 Project Name: Amoco 44-17  
 Project Number: 203724474  
 Collected By: Corey Pirell  
 Invoice/Billing Info: \_\_\_\_\_  
 L=Liquid

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis		Comments
							Temp	Time	
1	B60206'	2/5/05	12:33	3	S		X	X	
2	B60303'		12:45	3	S		X	X	
3	B60306'		12:47	3	S		X	X	
4	B60403'		13:01	3	S		X	X	
5	B60406'		13:04	3	S		X	X	
6	B60503'		13:15	3	S		X	X	
7	B60506'		13:17	3	S		X	X	
8	PWV-S03'		14:12	3	S		X		
9	PWV-E03'		14:18	3	S		X		
10	PWV-N03'		14:25	3	S		X		

Relinquished By: Corey Pirell Date: 2/14/05 Time: 16:05 Received By: CS Date: 2/14/05 Time: 16:05  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Temp Received - 58C Received On Ice?  Yes  No  
 Turnaround Time:  48 Hr  72 Hr  Standard

*Signature*

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: ESB0070

Client: stantec

Client Project ID: Amoco 44-17

Checklist Completed by: SKM/JR

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

Date/time completed: 02/04/25

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 5.8° c

Thermometer ID: 7007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) AR

Date/Time Reviewed 2/5/25

Origins Laboratory

*EHO*

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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**WH-B01@6'**  
**2/4/2025 10:07:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.384	0.0986	mg/L	1	B5B0440	02/04/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	45.1	25.0	mg/kg	1	B5B0606	02/06/2025	02/10/2025	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	64.9 %	50-150						
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	Ua
1,3,5-Trimethylbenzene	0.00220	0.00200	"	"	"	"	"	
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	0.551	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130						
Surrogate: Toluene-d8	104 %	70-130	"	"	"	"	"	

Origins Laboratory



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 Project: Amoco 44-17

**WH-B01@6'**  
**2/4/2025 10:07:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene 91.5 % 70-130 B5B05 21 02/05/2025 02/06/2025

**Metals by Saturated Paste by EPA 6010**

Calcium	5.57	0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025
Magnesium	1.64	0.823	"	"	"	"	"
Sodium	1.38	0.435	"	"	"	"	"

**PAH by 3541/8270**

1-Methylnaphthalene	ND	0.00125	0.00378	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
2-Methylnaphthalene	0.00227	0.00125	0.00378	"	"	"	"	"	J
Acenaphthene	ND	0.00125	0.00378	"	"	"	"	"	U
Anthracene	ND	0.00125	0.00378	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00125	0.00378	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00125	0.00378	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00125	0.00378	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00125	0.00378	"	"	"	"	"	U
Chrysene	ND	0.00125	0.00378	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00125	0.00378	"	"	"	"	"	U
Fluoranthene	ND	0.00125	0.00378	"	"	"	"	"	U
Fluorene	ND	0.00125	0.00378	"	"	"	"	"	U

Origins Laboratory

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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**WH-B01@6'**  
**2/4/2025 10:07:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
**E5B0070-01 (Soil)**

**PAH by 3541/8270**

Indeno(1,2,3-cd)pyrene	ND	0.00125	0.00378	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
Naphthalene	ND	0.00125	0.00378	"	"	"	"	"	U
Pyrene	ND	0.00125	0.00378	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 67 % 22-135 " " "

**pH in Soil by 9045D**

pH	8.57			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	0.728		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.892		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	3.83		0.286	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	109		9.86	"	"	"	"	"	
Cadmium	0.341		0.0986	"	"	"	"	"	
Copper	23.1		9.86	"	"	"	"	"	

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**WH-B01@6'**  
**2/4/2025 10:07:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-01 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	56.3		0.986	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	9.46		0.986	"	"	"	"	"	
Selenium	ND		0.256	"	"	"	"	"	
Silver	0.139		0.0986	"	"	"	"	"	
Zinc	130		36.5	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.139	0.348	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

WH-FL01@3'

2/4/2025 10:48:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E5B0070-02 (Soil)

**Boron (DTPA Sorbitol)**

Boron	0.312		0.0992	mg/L	1	B5B0440	02/04/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B0606	02/06/2025	02/07/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	57.3 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	107 %		70-130			"	"	"	
Surrogate: Toluene-d8	104 %		70-130			"	"	"	

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Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

WH-FL01@3'

2/4/2025 10:48:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E5B0070-02 (Soil)

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	92.8 %	70-130				B5B05 21	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	4.41	0.499	meq/L	10	[CALC]		02/05/2025	02/07/2025	
Magnesium	3.86	0.823	"	"	"	"	"	"	
Sodium	5.36	0.435	"	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	ND	0.00121	0.00366	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
2-Methylnaphthalene	ND	0.00121	0.00366	"	"	"	"	"	U
Acenaphthene	ND	0.00121	0.00366	"	"	"	"	"	U
Anthracene	ND	0.00121	0.00366	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00121	0.00366	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00121	0.00366	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00121	0.00366	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00121	0.00366	"	"	"	"	"	U
Chrysene	ND	0.00121	0.00366	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00121	0.00366	"	"	"	"	"	U
Fluoranthene	ND	0.00121	0.00366	"	"	"	"	"	U
Fluorene	ND	0.00121	0.00366	"	"	"	"	"	U

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Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**WH-FL01@3'**  
**2/4/2025 10:48:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
**E5B0070-02 (Soil)**

**PAH by 3541/8270**

Indeno(1,2,3-cd)pyrene	ND	0.00121	0.00366	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
Naphthalene	ND	0.00121	0.00366	"	"	"	"	"	U
Pyrene	ND	0.00121	0.00366	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane      104 %      22-135      "      "      "

**pH in Soil by 9045D**

pH      8.20      pH Units      1      B5B0516      02/05/2025      02/06/2025

**SAR by 20B Saturated Paste**

SAR      2.64      0.0100      SAR      1      B5B0508      02/05/2025      02/07/2025

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)      1.38      0.00500      mmhos/cm      1      B5B0516      02/05/2025      02/06/2025

**Table 915 metals by EPA 6020B**

Arsenic	4.68	0.283	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	107	9.76	"	"	"	"	"
Cadmium	0.171	0.0976	"	"	"	"	"
Copper	11.6	9.76	"	"	"	"	"

Origins Laboratory



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Stantec Consulting Services  
2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

WH-FL01@3'

2/4/2025 10:48:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E5B0070-02 (Soil)

**Table 915 metals by EPA 6020B**

Lead	12.1		0.976	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	12.7		0.976	"	"	"	"	"	
Selenium	ND		0.254	"	"	"	"	"	
Silver	ND		0.0976	"	"	"	"	"	
Zinc	53.4		36.1	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.114	0.285	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory



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Stantec Consulting Services  
 2000 S. Colorado Blvd. Suite 2-300  
 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**SEP-FL01@3'**  
**2/4/2025 11:05:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	2.76		0.101	mg/L	1	B5B0440	02/04/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	530		25.0	mg/kg	1	B5B0606	02/06/2025	02/07/2025	
Residual Range Organics (C28-C40)	346		100	"	"	"	"	"	

Surrogate: <i>o</i> -Terphenyl	68.7 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00452		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	
1,3,5-Trimethylbenzene	0.0950		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	19.5		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	115 %		70-130			"	"	"	
Surrogate: Toluene-d8	109 %		70-130			"	"	"	

Origins Laboratory



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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**SEP-FL01@3'**

**2/4/2025 11:05:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-03 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene      128 %      70-130      B5B05 21      02/05/2025      02/06/2025

**Metals by Saturated Paste by EPA 6010**

Calcium	0.915	0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	11.5	0.435	"	"	"	"	"

**PAH by 3541/8270**

1-Methylnaphthalene	0.878	0.00622	0.0188	mg/kg dry	5	2746189	02/07/2025	02/10/2025
2-Methylnaphthalene	1.23	0.00622	0.0188	"	"	"	"	"
Acenaphthene	0.0121	0.00124	0.00377	"	1	"	"	02/07/2025
Anthracene	ND	0.00124	0.00377	"	"	"	"	" U
Benzo(a)anthracene	ND	0.00124	0.00377	"	"	"	"	" U
Benzo(a)pyrene	ND	0.00124	0.00377	"	"	"	"	" U
Benzo(b)fluoranthene	0.00415	0.00124	0.00377	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00124	0.00377	"	"	"	"	" U
Chrysene	ND	0.00124	0.00377	"	"	"	"	" U
Dibenzo(a,h)anthracene	ND	0.00124	0.00377	"	"	"	"	" U
Fluoranthene	0.00678	0.00124	0.00377	"	"	"	"	"
Fluorene	0.139	0.00124	0.00377	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00124	0.00377	"	"	"	"	" U

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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**SEP-FL01@3'**  
**2/4/2025 11:05:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
**E5B0070-03 (Soil)**

**PAH by 3541/8270**

Naphthalene	0.109	0.00124	0.00377	mg/kg dry	1	2746189	02/07/2025	02/07/2025
Pyrene	0.0106	0.00124	0.00377	"	"	"	"	"

Surrogate: 5-alpha-Androstane	80 %		22-135			"	"	"
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**pH in Soil by 9045D**

pH	7.96			pH Units	1	B5B0516	02/05/2025	02/06/2025
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**SAR by 20B Saturated Paste**

SAR	14.3		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.02		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025
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**Table 915 metals by EPA 6020B**

Arsenic	3.81		0.270	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	88.6		9.31	"	"	"	"	"
Cadmium	0.147		0.0931	"	"	"	"	"
Copper	ND		9.31	"	"	"	"	"
Lead	8.53		0.931	"	"	"	"	"

Origins Laboratory



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 2000 S. Colorado Blvd. Suite 2-300  
 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

SEP-FL01@3'

2/4/2025 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-03 (Soil)**

**Table 915 metals by EPA 6020B**

Nickel	8.95		0.931	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Selenium	ND		0.242	"	"	"	"	"	
Silver	ND		0.0931	"	"	"	"	"	
Zinc	36.2		34.5	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.0988	0.247	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**PWV-B01@6'**

**2/4/2025 11:20:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5B0070-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	1.94		0.0993	mg/L	1	B5B0440	02/04/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	1480		25.0	mg/kg	1	B5B0606	02/06/2025	02/07/2025	
Residual Range Organics (C28-C40)	867		100	"	"	"	"	"	

Surrogate: o-Terphenyl	107 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	28.0		0.500	mg/kg	250	B5B0521	02/05/2025	02/06/2025	
1,3,5-Trimethylbenzene	8.27		0.500	"	"	"	"	"	
Benzene	ND		0.0500	"	25	"	"	02/07/2025	R-05, Ua
Ethylbenzene	2.66		0.500	"	250	"	"	02/06/2025	
Toluene	ND		0.0500	"	25	"	"	02/07/2025	R-05, Ua
Xylenes, total	27.8		0.500	"	250	"	"	02/06/2025	
Gasoline Range Hydrocarbons	1200		50.0	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	110 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	81.5 %		70-130			"	"	"	

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

PWV-B01@6'

2/4/2025 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E5B0070-04 (Soil)

**Metals by Saturated Paste by EPA 6010**

Calcium	ND		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	13.5		0.435	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	5.46	0.0253	0.0767	mg/kg dry	20	2746189	02/07/2025	02/10/2025	
2-Methylnaphthalene	10.1	0.0253	0.0767	"	"	"	"	"	
Acenaphthene	0.0867	0.00127	0.00384	"	1	"	"	"	
Anthracene	ND	0.00127	0.00384	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00127	0.00384	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00127	0.00384	"	"	"	"	"	U
Benzo(b)fluoranthene	0.0326	0.00127	0.00384	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00127	0.00384	"	"	"	"	"	U
Chrysene	ND	0.00127	0.00384	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00127	0.00384	"	"	"	"	"	U
Fluoranthene	0.0437	0.00127	0.00384	"	"	"	"	"	
Fluorene	0.683	0.00127	0.00384	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00127	0.00384	"	"	"	"	"	U
Naphthalene	3.15	0.0253	0.0767	"	20	"	"	"	
Pyrene	0.0691	0.00127	0.00384	"	1	"	"	"	
Surrogate: 5-alpha-Androstane	68 %		22-135			"	"	"	

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**PWV-B01@6'**

**2/4/2025 11:20:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5B0070-04 (Soil)**

**pH in Soil by 9045D**

pH	8.27			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	22.4		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.720		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	4.02		0.262	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	94.4		9.05	"	"	"	"	"	
Cadmium	0.146		0.0905	"	"	"	"	"	
Copper	9.19		9.05	"	"	"	"	"	
Lead	9.11		0.905	"	"	"	"	"	
Nickel	8.88		0.905	"	"	"	"	"	
Selenium	ND		0.235	"	"	"	"	"	
Silver	ND		0.0905	"	"	"	"	"	
Zinc	36.9		33.5	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.113	0.283	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**PWV-W@3'**

**2/4/2025 11:23:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	1.09		0.0998	mg/L	1	B5B0440	02/04/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B0606	02/06/2025	02/10/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	70.9 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0108		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	0.225		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	113 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.0 %		70-130			"	"	"	

Origins Laboratory



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 2000 S. Colorado Blvd. Suite 2-300  
 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

PWV-W@3'

2/4/2025 11:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-05 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	93.7 %		70-130			B5B05 21	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.87		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	1.07		0.823	"	"	"	"	"	
Sodium	8.55		0.435	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	0.0114	0.00125	0.00380	mg/kg dry	1	2746189	02/07/2025	02/10/2025	
2-Methylnaphthalene	0.0182	0.00125	0.00380	"	"	"	"	"	
Acenaphthene	ND	0.00125	0.00380	"	"	"	"	"	U
Anthracene	ND	0.00125	0.00380	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00125	0.00380	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00125	0.00380	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00125	0.00380	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00125	0.00380	"	"	"	"	"	U
Chrysene	ND	0.00125	0.00380	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00125	0.00380	"	"	"	"	"	U
Fluoranthene	0.00304	0.00125	0.00380	"	"	"	"	"	J
Fluorene	0.00228	0.00125	0.00380	"	"	"	"	"	J

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

PWV-W@3'

2/4/2025 11:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
E5B0070-05 (Soil)

**PAH by 3541/8270**

Indeno(1,2,3-cd)pyrene	ND	0.00125	0.00380	mg/kg dry	1	2746189	02/07/2025	02/10/2025	U
Naphthalene	0.00456	0.00125	0.00380	"	"	"	"	"	
Pyrene	0.00342	0.00125	0.00380	"	"	"	"	"	J

Surrogate: 5-alpha-Androstane 77 % 22-135 " " "

**pH in Soil by 9045D**

pH 8.36 pH Units 1 B5B0516 02/05/2025 02/06/2025

**SAR by 20B Saturated Paste**

SAR 7.06 0.0100 SAR 1 B5B0508 02/05/2025 02/07/2025

**Specific Conductance Mod. 9050A**

Specific Conductance (EC) 1.18 0.00500 mmhos/cm 1 B5B0516 02/05/2025 02/06/2025

**Table 915 metals by EPA 6020B**

Arsenic	3.53	0.289	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	96.7	9.95	"	"	"	"	"
Cadmium	0.145	0.0995	"	"	"	"	"
Copper	ND	9.95	"	"	"	"	"

Origins Laboratory

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

PWV-W@3'

2/4/2025 11:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E5B0070-05 (Soil)

**Table 915 metals by EPA 6020B**

Lead	10.5		0.995	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	8.62		0.995	"	"	"	"	"	
Selenium	ND		0.259	"	"	"	"	"	
Silver	ND		0.0995	"	"	"	"	"	
Zinc	37.2		36.8	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.144	0.359	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory



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 2000 S. Colorado Blvd. Suite 2-300  
 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**AST-B01@0'**

**2/4/2025 11:42:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND		1.01	mg/L	10	B5B0440	02/04/2025	02/07/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B0606	02/06/2025	02/10/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	81.4 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	108 %		70-130			"	"	"	
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Origins Laboratory



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Stantec Consulting Services  
2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**AST-B01@0'**

**2/4/2025 11:42:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-06 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	104 %		70-130			B5B05 21	02/05/2025	02/06/2025	
Surrogate: 4-Bromofluorobenzene	93.1 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	ND		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.14		0.435	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	ND	0.00128	0.00389	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
2-Methylnaphthalene	ND	0.00128	0.00389	"	"	"	"	"	U
Acenaphthene	ND	0.00128	0.00389	"	"	"	"	"	U
Anthracene	ND	0.00128	0.00389	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00128	0.00389	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00128	0.00389	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00128	0.00389	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00128	0.00389	"	"	"	"	"	U
Chrysene	ND	0.00128	0.00389	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00128	0.00389	"	"	"	"	"	U
Fluoranthene	ND	0.00128	0.00389	"	"	"	"	"	U

Origins Laboratory

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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**AST-B01@0'**

**2/4/2025 11:42:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
**E5B0070-06 (Soil)**

**PAH by 3541/8270**

Fluorene	ND	0.00128	0.00389	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
Indeno(1,2,3-cd)pyrene	ND	0.00128	0.00389	"	"	"	"	"	U
Naphthalene	ND	0.00128	0.00389	"	"	"	"	"	U
Pyrene	ND	0.00128	0.00389	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane      61 %      22-135      "      "      "

**pH in Soil by 9045D**

pH      7.05      pH Units      1      B5B0516      02/05/2025      02/06/2025

**SAR by 20B Saturated Paste**

SAR      3.78      0.0100      SAR      1      B5B0508      02/05/2025      02/07/2025

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)      0.146      0.00500      mmhos/cm      1      B5B0516      02/05/2025      02/06/2025

**Table 915 metals by EPA 6020B**

Arsenic      3.97      0.288      mg/kg      10      B5B0446      02/04/2025      02/05/2025  
 Barium      101      9.94      "      "      "      "      "  
 Cadmium      0.147      0.0994      "      "      "      "      "

Origins Laboratory

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**AST-B01@0'**

**2/4/2025 11:42:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-06 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	10.3		9.94	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Lead	13.6		0.994	"	"	"	"	"	
Nickel	10.8		0.994	"	"	"	"	"	
Selenium	ND		0.258	"	"	"	"	"	
Silver	ND		0.0994	"	"	"	"	"	
Zinc	47.2		36.8	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.133	0.334	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**SEP-B01@6'**  
**2/4/2025 12:03:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-07 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.606		0.0985	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	405		25.0	mg/kg	1	B5B0606	02/06/2025	02/07/2025	
Residual Range Organics (C28-C40)	301		100	"	"	"	"	"	

Surrogate: <i>o</i> -Terphenyl	69.4 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0131		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	
1,3,5-Trimethylbenzene	0.120		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	18.8		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	107 %		70-130			"	"	"	
Surrogate: Toluene-d8	105 %		70-130			"	"	"	

Origins Laboratory



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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

SEP-B01@6'

2/4/2025 12:03:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-07 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene 97.0 % 70-130 B5B05 21 02/05/2025 02/06/2025

**Metals by Saturated Paste by EPA 6010**

Calcium	1.37		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	6.04		0.435	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	ND	0.00122	0.00369	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
2-Methylnaphthalene	ND	0.00122	0.00369	"	"	"	"	"	U
Acenaphthene	ND	0.00122	0.00369	"	"	"	"	"	U
Anthracene	ND	0.00122	0.00369	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00122	0.00369	"	"	"	"	"	U
Benzo(a)pyrene	0.00258	0.00122	0.00369	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00664	0.00122	0.00369	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00122	0.00369	"	"	"	"	"	U
Chrysene	ND	0.00122	0.00369	"	"	"	"	"	U
Dibenzo(a,h)anthracene	0.00221	0.00122	0.00369	"	"	"	"	"	J
Fluoranthene	0.00553	0.00122	0.00369	"	"	"	"	"	
Fluorene	0.0232	0.00122	0.00369	"	"	"	"	"	

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Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

SEP-B01@6'  
2/4/2025 12:03:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
**E5B0070-07 (Soil)**

**PAH by 3541/8270**

Indeno(1,2,3-cd)pyrene	ND	0.00122	0.00369	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
Naphthalene	ND	0.00122	0.00369	"	"	"	"	"	U
Pyrene	0.00996	0.00122	0.00369	"	"	"	"	"	

Surrogate: 5-alpha-Androstane 87 % 22-135 " " "

**pH in Soil by 9045D**

pH 8.44 pH Units 1 B5B0516 02/05/2025 02/06/2025

**SAR by 20B Saturated Paste**

SAR 5.93 0.0100 SAR 1 B5B0508 02/05/2025 02/07/2025

**Specific Conductance Mod. 9050A**

Specific Conductance (EC) 0.718 0.00500 mmhos/cm 1 B5B0516 02/05/2025 02/06/2025

**Table 915 metals by EPA 6020B**

Arsenic	3.69	0.271	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	89.9	9.35	"	"	"	"	"
Cadmium	0.130	0.0935	"	"	"	"	"
Copper	ND	9.35	"	"	"	"	"

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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

SEP-B01@6'

2/4/2025 12:03:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
 E5B0070-07 (Soil)

**Table 915 metals by EPA 6020B**

Lead	7.14		0.935	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	8.38		0.935	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0935	"	"	"	"	"	
Zinc	ND		34.6	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.107	0.267	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory



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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**BG01@3'**

**2/4/2025 12:18:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-08 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.197		0.0989	mg/L	1	B5B0513	02/05/2025	02/06/2025
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**Metals by Saturated Paste by EPA 6010**

Calcium	3.17		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025
Magnesium	2.19		0.823	"	"	"	"	"
Sodium	4.71		0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.23			pH Units	1	B5B0516	02/05/2025	02/06/2025
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**SAR by 20B Saturated Paste**

SAR	2.88		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.08		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025
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**Table 915 metals by EPA 6020B**

Arsenic	4.03		0.275	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	164		9.48	"	"	"	"	"
Cadmium	0.215		0.0948	"	"	"	"	"
Copper	12.6		9.48	"	"	"	"	"

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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG01@3'**

**2/4/2025 12:18:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-08 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	12.3		0.948	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	11.3		0.948	"	"	"	"	"	
Selenium	ND		0.247	"	"	"	"	"	
Silver	ND		0.0948	"	"	"	"	"	
Zinc	57.8		35.1	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.114	0.285	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG01@6'**

**2/4/2025 12:20:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-09 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	1.24		0.101	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	11.2		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	12.2		0.823	"	"	"	"	"	
Sodium	20.4		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.20			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	5.97		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.63		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	7.38		0.274	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	164		9.46	"	"	"	"	"	
Cadmium	0.159		0.0946	"	"	"	"	"	
Copper	15.7		9.46	"	"	"	"	"	

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG01@6'**

**2/4/2025 12:20:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-09 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	12.9		0.946	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	17.3		0.946	"	"	"	"	"	
Selenium	ND		0.246	"	"	"	"	"	
Silver	ND		0.0946	"	"	"	"	"	
Zinc	67.3		35.0	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.129	0.321	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG02@3'**

**2/4/2025 12:31:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-10 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.960		0.101	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	6.79		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	8.62		0.823	"	"	"	"	"	
Sodium	14.5		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.27			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	5.23		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.76		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	6.49		0.267	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	163		9.21	"	"	"	"	"	
Cadmium	0.377		0.0921	"	"	"	"	"	
Copper	12.0		9.21	"	"	"	"	"	

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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG02@3'**

**2/4/2025 12:31:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-10 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	11.7		0.921	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	13.2		0.921	"	"	"	"	"	
Selenium	0.773		0.240	"	"	"	"	"	
Silver	ND		0.0921	"	"	"	"	"	
Zinc	66.2		34.1	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.127	0.318	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory



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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG02@6'**

**2/4/2025 12:33:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-11 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.251		0.101	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	20.0		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	15.3		0.823	"	"	"	"	"	
Sodium	17.8		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.06			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	4.24		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.74		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	4.11		0.267	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	102		9.22	"	"	"	"	"	
Cadmium	0.182		0.0922	"	"	"	"	"	
Copper	9.55		9.22	"	"	"	"	"	

Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG02@6'**

**2/4/2025 12:33:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-11 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	10.2		0.922	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	8.43		0.922	"	"	"	"	"	
Selenium	ND		0.240	"	"	"	"	"	
Silver	ND		0.0922	"	"	"	"	"	
Zinc	40.0		34.1	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.173	0.432	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG03@3'**

**2/4/2025 12:45:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-12 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	3.04		0.0990	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	13.8		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	29.8		0.823	"	"	"	"	"	
Sodium	30.0		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.09			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	6.42		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	5.66		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	4.42		0.272	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	116		9.39	"	"	"	"	"	
Cadmium	0.137		0.0939	"	"	"	"	"	
Copper	11.0		9.39	"	"	"	"	"	

Origins Laboratory

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG03@3'**

**2/4/2025 12:45:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-12 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	9.33		0.939	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	11.0		0.939	"	"	"	"	"	
Selenium	ND		0.244	"	"	"	"	"	
Silver	ND		0.0939	"	"	"	"	"	
Zinc	43.5		34.8	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.138	0.345	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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Origins Laboratory



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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**BG03@6'**

**2/4/2025 12:47:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-13 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	6.36		0.101	mg/L	1	B5B0513	02/05/2025	02/06/2025
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.48		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025
Magnesium	7.32		0.823	"	"	"	"	"
Sodium	17.0		0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.36			pH Units	1	B5B0516	02/05/2025	02/06/2025
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**SAR by 20B Saturated Paste**

SAR	7.66		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.38		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025
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**Table 915 metals by EPA 6020B**

Arsenic	8.47		0.283	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	697		9.76	"	"	"	"	"
Cadmium	0.185		0.0976	"	"	"	"	"
Copper	20.6		9.76	"	"	"	"	"

Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG03@6'**

**2/4/2025 12:47:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-13 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	16.4		0.976	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	23.2		0.976	"	"	"	"	"	
Selenium	ND		0.254	"	"	"	"	"	
Silver	ND		0.0976	"	"	"	"	"	
Zinc	75.8		36.1	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.125	0.313	mg/kg dry	1	2746570	02/11/2025	02/12/2025	U
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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**BG04@3'**

**2/4/2025 1:01:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-14 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	3.68	0.0984	mg/L	1	B5B0513	02/05/2025	02/06/2025
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.16	0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025
Magnesium	3.59	0.823	"	"	"	"	"
Sodium	13.0	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.47		pH Units	1	B5B0516	02/05/2025	02/06/2025
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**SAR by 20B Saturated Paste**

SAR	8.46	0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.67	0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025
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**Table 915 metals by EPA 6020B**

Arsenic	5.86	0.278	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	262	9.58	"	"	"	"	"
Cadmium	0.144	0.0958	"	"	"	"	"
Copper	13.8	9.58	"	"	"	"	"

Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG04@3'**

**2/4/2025 1:01:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-14 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	12.4		0.958	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	14.3		0.958	"	"	"	"	"	
Selenium	ND		0.249	"	"	"	"	"	
Silver	ND		0.0958	"	"	"	"	"	
Zinc	44.1		35.4	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.119	0.297	mg/kg dry	1	2746568	02/11/2025	02/12/2025	U
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Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG04@6'**

**2/4/2025 1:04:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-15 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	5.74		0.0999	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	3.12		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	14.2		0.823	"	"	"	"	"	
Sodium	29.9		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.34			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	10.2		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.87		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	5.05		0.272	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	197		9.36	"	"	"	"	"	
Cadmium	0.183		0.0936	"	"	"	"	"	
Copper	ND		9.36	"	"	"	"	"	

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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG04@6'**

**2/4/2025 1:04:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-15 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.06		0.936	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	10.1		0.936	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0936	"	"	"	"	"	
Zinc	34.9		34.6	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.145	0.362	mg/kg dry	1	2746568	02/11/2025	02/12/2025	U
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Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG05@3'**

**2/4/2025 1:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-16 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	1.50		0.101	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	5.00		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	12.9		0.823	"	"	"	"	"	
Sodium	24.4		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.24			pH Units	1	B5B0516	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	8.13		0.0100	SAR	1	B5B0508	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.41		0.00500	mmhos/cm	1	B5B0516	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	4.34		0.271	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	100		9.33	"	"	"	"	"	
Cadmium	0.103		0.0933	"	"	"	"	"	
Copper	10.6		9.33	"	"	"	"	"	

Origins Laboratory

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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG05@3'**

**2/4/2025 1:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-16 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.98		0.933	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	10.3		0.933	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0933	"	"	"	"	"	
Zinc	41.1		34.5	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.165	0.412	mg/kg dry	1	2746568	02/11/2025	02/12/2025	U
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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG05@6'**

**2/4/2025 1:17:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-17 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	3.33		0.101	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	7.69		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	20.6		0.823	"	"	"	"	"	
Sodium	31.7		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.20			pH Units	1	B5B0517	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	8.43		0.0100	SAR	1	B5B0509	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	4.55		0.00500	mmhos/cm	1	B5B0517	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	4.57		0.287	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	119		9.90	"	"	"	"	"	
Cadmium	ND		0.0990	"	"	"	"	"	
Copper	10.6		9.90	"	"	"	"	"	

Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**BG05@6'**

**2/4/2025 1:17:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-17 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	9.21		0.990	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	13.7		0.990	"	"	"	"	"	
Selenium	ND		0.257	"	"	"	"	"	
Silver	ND		0.0990	"	"	"	"	"	
Zinc	41.7		36.6	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.132	0.330	mg/kg dry	1	2746568	02/11/2025	02/12/2025	U
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Origins Laboratory



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2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**PWV-S@3'**

**2/4/2025 2:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-18 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.220		0.0997	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5B0606	02/06/2025	02/10/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	84.1 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	108 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.6 %		70-130			"	"	"	

Origins Laboratory

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Stantec Consulting Services  
2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**PWV-S@3'**

**2/4/2025 2:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-18 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	93.3 %		70-130			B5B05 21	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.96		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	ND	0.00124	0.00376	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
2-Methylnaphthalene	ND	0.00124	0.00376	"	"	"	"	"	U
Acenaphthene	ND	0.00124	0.00376	"	"	"	"	"	U
Anthracene	ND	0.00124	0.00376	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00124	0.00376	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00124	0.00376	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00124	0.00376	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00124	0.00376	"	"	"	"	"	U
Chrysene	ND	0.00124	0.00376	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00124	0.00376	"	"	"	"	"	U
Fluoranthene	ND	0.00124	0.00376	"	"	"	"	"	U
Fluorene	ND	0.00124	0.00376	"	"	"	"	"	U

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**PWV-S@3'**

**2/4/2025 2:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC  
E5B0070-18 (Soil)**

**PAH by 3541/8270**

Indeno(1,2,3-cd)pyrene	ND	0.00124	0.00376	mg/kg dry	1	2746189	02/07/2025	02/07/2025	U
Naphthalene	ND	0.00124	0.00376	"	"	"	"	"	U
Pyrene	ND	0.00124	0.00376	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 56 % 22-135 " " "

**pH in Soil by 9045D**

pH 8.24 pH Units 1 B5B0517 02/05/2025 02/06/2025

**SAR by 20B Saturated Paste**

SAR 0.143 0.0100 SAR 1 B5B0509 02/05/2025 02/07/2025

**Specific Conductance Mod. 9050A**

Specific Conductance (EC) 0.274 0.00500 mmhos/cm 1 B5B0517 02/05/2025 02/06/2025

**Table 915 metals by EPA 6020B**

Arsenic	3.11	0.277	mg/kg	10	B5B0446	02/04/2025	02/05/2025
Barium	83.2	9.55	"	"	"	"	"
Cadmium	0.114	0.0955	"	"	"	"	"
Copper	ND	9.55	"	"	"	"	"

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Project Number: 203724474  
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**PWV-S@3'**

**2/4/2025 2:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-18 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	9.75		0.955	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Nickel	6.85		0.955	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	"	
Silver	ND		0.0955	"	"	"	"	"	
Zinc	ND		35.3	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.0908	0.227	mg/kg dry	1	2746568	02/11/2025	02/12/2025	U
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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**PWV-E@3'**

**2/4/2025 2:18:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-19 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	1.06		0.0997	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	105		25.0	mg/kg	1	B5B0606	02/06/2025	02/10/2025	
Residual Range Organics (C28-C40)	166		100	"	"	"	"	"	

Surrogate: <i>o</i> -Terphenyl	88.7 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0134		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	
1,3,5-Trimethylbenzene	0.0113		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	1.09		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	108 %		70-130			"	"	"	
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Surrogate: Toluene-d8	105 %		70-130			"	"	"	
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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**PWV-E@3'**

**2/4/2025 2:18:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 E5B0070-19 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	94.4 %		70-130			B5B05 21	02/05/2025	02/06/2025	
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.72		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	1.06		0.823	"	"	"	"	"	
Sodium	10.3		0.435	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	0.0433	0.00116	0.00352	mg/kg dry	1	2746189	02/07/2025	02/07/2025	
2-Methylnaphthalene	0.0510	0.00116	0.00352	"	"	"	"	"	
Acenaphthene	ND	0.00116	0.00352	"	"	"	"	"	U
Anthracene	ND	0.00116	0.00352	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00116	0.00352	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00116	0.00352	"	"	"	"	"	U
Benzo(b)fluoranthene	0.00246	0.00116	0.00352	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00116	0.00352	"	"	"	"	"	U
Chrysene	0.00598	0.00116	0.00352	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.00116	0.00352	"	"	"	"	"	U
Fluoranthene	0.00352	0.00116	0.00352	"	"	"	"	"	
Fluorene	0.00809	0.00116	0.00352	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00116	0.00352	"	"	"	"	"	U

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Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**PWV-E@3'**

**2/4/2025 2:18:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC  
E5B0070-19 (Soil)**

**PAH by 3541/8270**

Naphthalene	0.00950	0.00116	0.00352	mg/kg dry	1	2746189	02/07/2025	02/07/2025	
Pyrene	0.00352	0.00116	0.00352	"	"	"	"	"	

Surrogate: 5-alpha-Androstane 80 % 22-135 " " "

**pH in Soil by 9045D**

pH	8.37			pH Units	1	B5B0517	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	8.77		0.0100	SAR	1	B5B0509	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.18		0.00500	mmhos/cm	1	B5B0517	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	4.57		0.256	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	135		8.84	"	"	"	"	"	
Cadmium	0.219		0.0884	"	"	"	"	"	
Copper	11.0		8.84	"	"	"	"	"	
Lead	9.71		0.884	"	"	"	"	"	

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

PWV-E@3'

2/4/2025 2:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E5B0070-19 (Soil)

**Table 915 metals by EPA 6020B**

Nickel	12.0		0.884	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Selenium	ND		0.230	"	"	"	"	"	
Silver	ND		0.0884	"	"	"	"	"	
Zinc	44.5		32.7	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.148	0.369	mg/kg dry	1	2746568	02/11/2025	02/12/2025	U
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Origins Laboratory



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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**PWV-N@3'**

**2/4/2025 2:25:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-20 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	<b>0.826</b>		0.0990	mg/L	1	B5B0513	02/05/2025	02/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	<b>168</b>		25.0	mg/kg	1	B5B0606	02/06/2025	02/10/2025	
Residual Range Organics (C28-C40)	<b>201</b>		100	"	"	"	"	"	

Surrogate: <i>o</i> -Terphenyl	95.5 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	<b>0.0747</b>		0.00200	mg/kg	1	B5B0521	02/05/2025	02/06/2025	
1,3,5-Trimethylbenzene	<b>0.0506</b>		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	<b>0.00238</b>		0.00200	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	<b>0.0730</b>		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	<b>3.67</b>		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %		70-130			"	"	"	
Surrogate: Toluene-d8	103 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	86.0 %		70-130			"	"	"	

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**PWV-N@3'**

**2/4/2025 2:25:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
E5B0070-20 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	1.72		0.499	meq/L	10	[CALC]	02/05/2025	02/07/2025	
Magnesium	0.859		0.823	"	"	"	"	"	
Sodium	4.73		0.435	"	"	"	"	"	

**PAH by 3541/8270**

1-Methylnaphthalene	0.142	0.00124	0.00376	mg/kg dry	1	2746189	02/07/2025	02/07/2025	
2-Methylnaphthalene	0.198	0.00124	0.00376	"	"	"	"	"	
Acenaphthene	0.00376	0.00124	0.00376	"	"	"	"	"	
Anthracene	ND	0.00124	0.00376	"	"	"	"	"	U
Benzo(a)anthracene	0.00489	0.00124	0.00376	"	"	"	"	"	
Benzo(a)pyrene	0.00602	0.00124	0.00376	"	"	"	"	"	
Benzo(b)fluoranthene	0.0102	0.00124	0.00376	"	"	"	"	"	
Benzo(k)fluoranthene	0.00376	0.00124	0.00376	"	"	"	"	"	
Chrysene	0.0169	0.00124	0.00376	"	"	"	"	"	
Dibenzo(a,h)anthracene	0.00263	0.00124	0.00376	"	"	"	"	"	J
Fluoranthene	0.0199	0.00124	0.00376	"	"	"	"	"	
Fluorene	0.0263	0.00124	0.00376	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00451	0.00124	0.00376	"	"	"	"	"	
Naphthalene	0.0432	0.00124	0.00376	"	"	"	"	"	
Pyrene	0.0169	0.00124	0.00376	"	"	"	"	"	

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**PWV-N@3'**

**2/4/2025 2:25:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC  
E5B0070-20 (Soil)**

**PAH by 3541/8270**

Surrogate: 5-alpha-Androstane	79 %		22-135			27461 89	02/07/2025	02/07/2025	
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**pH in Soil by 9045D**

pH	8.38			pH Units	1	B5B0517	02/05/2025	02/06/2025	
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**SAR by 20B Saturated Paste**

SAR	4.17		0.0100	SAR	1	B5B0509	02/05/2025	02/07/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.640		0.00500	mmhos/cm	1	B5B0517	02/05/2025	02/06/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	4.71		0.273	mg/kg	10	B5B0446	02/04/2025	02/05/2025	
Barium	111		9.43	"	"	"	"	"	
Cadmium	0.169		0.0943	"	"	"	"	"	
Copper	12.8		9.43	"	"	"	"	"	
Lead	11.8		0.943	"	"	"	"	"	
Nickel	12.5		0.943	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	"	
Silver	ND		0.0943	"	"	"	"	"	
Zinc	48.0		34.9	"	"	"	"	"	

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**PWV-N@3'**

**2/4/2025 2:25:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0070-20 (Soil)**

**Total Metals 7196A**

Hexavalent Chromium	ND	0.111	0.276	mg/kg dry	1	2746568	02/11/2025	02/12/2025	U
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 Project Number: 203724474  
 Project: Amoco 44-17

**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
<b>Batch B5B0521 - EPA 5030 (soil)</b>										
<b>Blank (B5B0521-BLK1)</b>										
					Prepared: 02/05/2025 Analyzed: 02/06/2025					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.14		"	0.125	111		70-130			
<i>Surrogate: Toluene-d8</i>	0.12		"	0.125	97.4		70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.12		"	0.125	96.1		70-130			

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**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 B5B0521 - EPA 5030 (soil)**

**LCS (B5B0521-BS1)**

Prepared: 02/05/2025 Analyzed: 02/06/2025

1,2,4-Trimethylbenzene	0.0975	0.00200	mg/kg				70-130			
1,3,5-Trimethylbenzene	0.0949	0.00200	"				70-130			
Benzene	0.0986	0.00200	"				70-130			
Ethylbenzene	0.0950	0.00200	"				70-130			
Toluene	0.103	0.00200	"				70-130			
o-Xylene	0.0950	0.00200	"				70-130			
m,p-Xylene	0.190	0.00400	"				70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	108		70-130			
Surrogate: Toluene-d8	0.11		"	0.125	91.3		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	106		70-130			

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 Denver CO 80222

Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**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 B5B0521 - EPA 5030 (soil)**

<b>Matrix Spike (B5B0521-MS1)</b>	<b>Source: E5B0068-01</b>			<b>Prepared: 02/05/2025 Analyzed: 02/06/2025</b>						
1,2,4-Trimethylbenzene	0.0979	0.00200	mg/kg		ND		70-130			
1,3,5-Trimethylbenzene	0.0968	0.00200	"		ND		70-130			
Benzene	0.105	0.00200	"		ND		70-130			
Ethylbenzene	0.0980	0.00200	"		ND		70-130			
Toluene	0.107	0.00200	"		ND		70-130			
o-Xylene	0.0997	0.00200	"		ND		70-130			
m,p-Xylene	0.197	0.00400	"		0.00146		70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.13</i>		<i>"</i>	<i>0.125</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.12</i>		<i>"</i>	<i>0.125</i>		<i>95.0</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.13</i>		<i>"</i>	<i>0.125</i>		<i>106</i>	<i>70-130</i>			

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

**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 B5B0521 - EPA 5030 (soil)**

<b>Matrix Spike Dup (B5B0521-MSD1)</b>	<b>Source: E5B0068-01</b>			<b>Prepared: 02/05/2025 Analyzed: 02/06/2025</b>						
1,2,4-Trimethylbenzene	0.100	0.00200	mg/kg		ND		70-130	2.34	20	
1,3,5-Trimethylbenzene	0.100	0.00200	"		ND		70-130	3.27	20	
Benzene	0.104	0.00200	"		ND		70-130	1.51	20	
Ethylbenzene	0.100	0.00200	"		ND		70-130	2.34	20	
Toluene	0.108	0.00200	"		ND		70-130	0.727	20	
o-Xylene	0.102	0.00200	"		ND		70-130	2.50	20	
m,p-Xylene	0.200	0.00400	"		0.00146		70-130	1.27	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.13</i>		<i>"</i>	<i>0.125</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.12</i>		<i>"</i>	<i>0.125</i>		<i>96.3</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.13</i>		<i>"</i>	<i>0.125</i>		<i>107</i>	<i>70-130</i>			

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Chris Roy  
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 Project: Amoco 44-17

**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
<b>Batch B5B0606 - EPA 3550B</b>										
<b>Blank (B5B0606-BLK1)</b>										
					Prepared: 02/06/2025 Analyzed: 02/07/2025					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	18		"	24.9		73.9	50-150			

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**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 B5B0606 - EPA 3550B**

**LCS (B5B0606-BS1)**

Prepared: 02/06/2025 Analyzed: 02/07/2025

Diesel (C10-C28)	951	50.0	mg/kg	1000		95.1	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000		105	70-130			
Surrogate: <i>o</i> -Terphenyl	41		"	49.8		82.8	50-150			

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**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 B5B0606 - EPA 3550B**

<b>Matrix Spike (B5B0606-MS1)</b>	<b>Source: E5B0070-01</b>			Prepared: 02/06/2025 Analyzed: 02/07/2025						
Diesel (C10-C28)	927	50.0	mg/kg	1000	45.1	88.2	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	56.4	97.3	70-130			
Surrogate: o-Terphenyl	40		"	49.8		79.4	50-150			

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**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 B5B0606 - EPA 3550B**

<b>Matrix Spike Dup (B5B0606-MSD1)</b>	<b>Source: E5B0070-01</b>				<b>Prepared: 02/06/2025 Analyzed: 02/07/2025</b>					
Diesel (C10-C28)	968	50.0	mg/kg	1000	45.1	92.3	70-130	4.28	35	
Residual Range Organics (C28-C40)	1070	200	"	1000	56.4	101	70-130	3.78	35	
<i>Surrogate: o-Terphenyl</i>	44		"	49.8		87.5	50-150			

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 Project: Amoco 44-17

**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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**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 B5B0446 - EPA 3050B**

**Blank (B5B0446-BLK1)**

Prepared: 02/04/2025 Analyzed: 02/05/2025

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 (B5B0446-BS1)**

Prepared: 02/04/2025 Analyzed: 02/05/2025

Arsenic	5.67	0.290	mg/kg	5.00		113	80-120			
Barium	534	10.0	"	500		107	80-120			
Cadmium	5.42	0.100	"	5.00		108	80-120			
Copper	55.3	10.0	"	50.0		111	80-120			
Lead	5.14	1.00	"	5.00		103	80-120			
Nickel	5.40	1.00	"	5.00		108	80-120			
Selenium	5.41	0.260	"	5.00		108	80-120			
Silver	5.60	0.100	"	5.00		112	80-120			
Zinc	53.4	37.0	"	50.0		107	80-120			

**Matrix Spike (B5B0446-MS1)**

**Source: E5B0070-01**

Prepared: 02/04/2025 Analyzed: 02/05/2025

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**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 B5B0446 - EPA 3050B**

<b>Matrix Spike (B5B0446-MS1)</b>		<b>Source: E5B0070-01</b>			<b>Prepared: 02/04/2025 Analyzed: 02/05/2025</b>					
Arsenic	9.33	0.275	mg/kg	4.75	3.83	116	75-125			
Barium	655	9.49	"	475	109	115	75-125			
Cadmium	5.89	0.0949	"	4.75	0.341	117	75-125			
Copper	78.4	9.49	"	47.5	23.1	116	75-125			
Lead	57.8	0.949	"	4.75	56.3	31.8	75-125			QM-07
Nickel	15.0	0.949	"	4.75	9.46	116	75-125			
Selenium	5.41	0.247	"	4.75	0.181	110	75-125			
Silver	5.85	0.0949	"	4.75	0.139	120	75-125			
Zinc	182	35.1	"	47.5	130	109	75-125			

<b>Matrix Spike Dup (B5B0446-MSD1)</b>		<b>Source: E5B0070-01</b>			<b>Prepared: 02/04/2025 Analyzed: 02/05/2025</b>					
Arsenic	9.72	0.284	mg/kg	4.90	3.83	120	75-125	4.18	20	
Barium	624	9.80	"	490	109	105	75-125	4.81	20	
Cadmium	5.50	0.0980	"	4.90	0.341	105	75-125	6.96	20	
Copper	76.5	9.80	"	49.0	23.1	109	75-125	2.35	20	
Lead	59.1	0.980	"	4.90	56.3	57.5	75-125	2.25	20	QM-07
Nickel	14.7	0.980	"	4.90	9.46	106	75-125	1.96	20	
Selenium	5.24	0.255	"	4.90	0.181	103	75-125	3.24	20	
Silver	5.43	0.0980	"	4.90	0.139	108	75-125	7.59	20	
Zinc	176	36.3	"	49.0	130	92.7	75-125	3.65	20	

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 Project: Amoco 44-17

**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 B5B0440 - DTPA Sorbitol Preparation**

**Blank (B5B0440-BLK1)**

Prepared: 02/04/2025 Analyzed: 02/06/2025

Boron ND 0.100 mg/L

**Duplicate (B5B0440-DUP1)**

**Source: E5B0055-04**

Prepared: 02/04/2025 Analyzed: 02/06/2025

Boron 2.28 0.0994 mg/L 2.28 0.0802 50

**Batch B5B0508 - Saturated Paste Metals**

**Blank (B5B0508-BLK1)**

Prepared: 02/05/2025 Analyzed: 02/07/2025

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

**Duplicate (B5B0508-DUP1)**

**Source: E5B0068-06**

Prepared: 02/05/2025 Analyzed: 02/07/2025

Calcium PPM 9.55 10.0 mg/L 10.5 9.29 50

SAR ND 0.0100 SAR 2.99 200

Magnesium PPM 3.20 10.0 mg/L 3.40 6.06 50

Sodium PPM 42.5 10.0 " 43.6 2.51 50

**Batch B5B0509 - Saturated Paste Metals**

**Blank (B5B0509-BLK1)**

Prepared: 02/05/2025 Analyzed: 02/07/2025

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**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 B5B0509 - Saturated Paste Metals**

<b>Duplicate (B5B0509-DUP1)</b>		<b>Source: E5B0070-17</b>			<b>Prepared: 02/05/2025 Analyzed: 02/07/2025</b>					
SAR	ND	0.0100	SAR		8.43					200
Calcium PPM	92.6	10.0	mg/L		154			49.9		50
Magnesium PPM	177	10.0	"		250			34.3		50
Sodium PPM	595	10.0	"		729			20.2		50

**Batch B5B0513 - DTPA Sorbitol Preparation**

<b>Blank (B5B0513-BLK1)</b>					<b>Prepared: 02/05/2025 Analyzed: 02/06/2025</b>					
Boron	ND	0.100	mg/L							
<b>Duplicate (B5B0513-DUP1)</b>		<b>Source: E5B0070-07</b>			<b>Prepared: 02/05/2025 Analyzed: 02/06/2025</b>					
Boron	0.699	0.0988	mg/L		0.606			14.3		50

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 Project: Amoco 44-17

**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 B5B0516 - Saturated Paste pH/EC**

**Blank (B5B0516-BLK1)**

Prepared: 02/05/2025 Analyzed: 02/06/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B5B0516-DUP1)**

**Source: E5B0068-06**

Prepared: 02/05/2025 Analyzed: 02/06/2025

Specific Conductance (EC)	0.305	0.00500	mmhos/cm	0.278	9.13	25
pH	7.58		pH Units	7.59	0.132	25

**Batch B5B0517 - Saturated Paste pH/EC**

**Blank (B5B0517-BLK1)**

Prepared: 02/05/2025 Analyzed: 02/06/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B5B0517-DUP1)**

**Source: E5B0070-17**

Prepared: 02/05/2025 Analyzed: 02/06/2025

Specific Conductance (EC)	3.78	0.00500	mmhos/cm	4.55	18.7	25
pH	8.26		pH Units	8.20	0.729	25

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Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2746189 - SW846 3541**

**BLANK (1205997996-BLK)**

Prepared: 02/07/2025 Analyzed: 02/07/2025

Indeno(1,2,3-cd)pyrene	ND	0.00325	mg/kg				-			U
Fluorene	ND	0.00325	"				-			U
Fluoranthene	ND	0.00325	"				-			U
Dibenzo(a,h)anthracene	ND	0.00325	"				-			U
Chrysene	ND	0.00325	"				-			U
Benzo(k)fluoranthene	ND	0.00325	"				-			U
Naphthalene	ND	0.00325	"				-			U
Pyrene	ND	0.00325	"				-			U
1-Methylnaphthalene	ND	0.00325	"				-			U
2-Methylnaphthalene	ND	0.00325	"				-			U
Benzo(a)pyrene	ND	0.00325	"				-			U
Benzo(a)anthracene	ND	0.00325	"				-			U
Anthracene	ND	0.00325	"				-			U
Acenaphthene	ND	0.00325	"				-			U
Benzo(b)fluoranthene	ND	0.00325	"				-			U

Surrogate: 5-alpha-Androstane

0.107

"

0.163

66

22-135

**LCS (1205997997-BKS)**

Prepared: 02/07/2025 Analyzed: 02/07/2025

Indeno(1,2,3-cd)pyrene	0.184	0.00329	mg/kg	0.329		56	38-133			
Naphthalene	0.195	0.00329	"	0.329		59	38-109			
1-Methylnaphthalene	0.203	0.00329	"	0.329		62	39-109			
2-Methylnaphthalene	0.199	0.00329	"	0.329		61	39-110			
Acenaphthene	0.211	0.00329	"	0.329		64	41-112			
Anthracene	0.197	0.00329	"	0.329		60	41-117			
Benzo(a)anthracene	0.201	0.00329	"	0.329		61	42-120			
Benzo(a)pyrene	0.209	0.00329	"	0.329		64	39-127			
Benzo(b)fluoranthene	0.201	0.00329	"	0.329		61	39-123			

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2746189 - SW846 3541**

**LCS (1205997997-BKS)**

Prepared: 02/07/2025 Analyzed: 02/07/2025

Benzo(k)fluoranthene	0.190	0.00329	mg/kg	0.329		58	40-122			
Chrysene	0.199	0.00329	"	0.329		61	42-117			
Dibenzo(a,h)anthracene	0.195	0.00329	"	0.329		59	38-132			
Pyrene	0.189	0.00329	"	0.329		58	38-117			
Fluorene	0.202	0.00329	"	0.329		61	37-115			
Fluoranthene	0.186	0.00329	"	0.329		57	39-119			

*Surrogate: 5-alpha-Androstane*

0.107

"

0.164

65

22-135

**LCSD (1205997998-BKSD)**

Prepared: 02/07/2025 Analyzed: 02/07/2025

Pyrene	0.212	0.00330	mg/kg	0.330		64	38-117	11	30	
1-Methylnaphthalene	0.225	0.00330	"	0.330		68	39-109	10	30	
Acenaphthene	0.194	0.00330	"	0.330		59	41-112	8	30	
Anthracene	0.201	0.00330	"	0.330		61	41-117	2	30	
Benzo(a)anthracene	0.206	0.00330	"	0.330		63	42-120	2	30	
Benzo(a)pyrene	0.202	0.00330	"	0.330		61	39-127	3	30	
Benzo(b)fluoranthene	0.196	0.00330	"	0.330		59	39-123	3	30	
Naphthalene	0.203	0.00330	"	0.330		62	38-109	4	30	
Benzo(k)fluoranthene	0.185	0.00330	"	0.330		56	40-122	3	30	
Chrysene	0.204	0.00330	"	0.330		62	42-117	2	30	
Dibenzo(a,h)anthracene	0.199	0.00330	"	0.330		60	38-132	2	30	
Fluoranthene	0.204	0.00330	"	0.330		62	39-119	9	30	
Fluorene	0.199	0.00330	"	0.330		60	37-115	1	30	
Indeno(1,2,3-cd)pyrene	0.186	0.00330	"	0.330		56	38-133	1	30	
2-Methylnaphthalene	0.227	0.00330	"	0.330		69	39-110	13	30	

*Surrogate: 5-alpha-Androstane*

0.111

"

0.165

67

22-135

**MS (1205997999 S)**

**Source: 707295001**

Prepared: 02/07/2025 Analyzed: 02/07/2025

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Stantec Consulting Services  
2000 S. Colorado Blvd. Suite 2-300  
Denver CO 80222

Chris Roy  
Project Number: 203724474  
Project: Amoco 44-17

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2746189 - SW846 3541**

<b>MS (1205997999 S)</b>		<b>Source: 707295001</b>			<b>Prepared: 02/07/2025 Analyzed: 02/07/2025</b>					
Benzo(k)fluoranthene	0.182	0.00372	mg/kg dry	0.372	<0.00123	49	18-138			
Benzo(b)fluoranthene	0.193	0.00372	"	0.372	<0.00123	52	14-136			
2-Methylnaphthalene	0.196	0.00372	"	0.372	<0.00123	53	15-132			
1-Methylnaphthalene	0.187	0.00372	"	0.372	<0.00123	50	15-129			
Anthracene	0.178	0.00372	"	0.372	<0.00123	48	18-136			
Benzo(a)anthracene	0.202	0.00372	"	0.372	<0.00123	54	20-132			
Dibenzo(a,h)anthracene	0.195	0.00372	"	0.372	<0.00123	53	11-134			
Benzo(a)pyrene	0.202	0.00372	"	0.372	<0.00123	54	16-133			
Acenaphthene	0.171	0.00372	"	0.372	<0.00123	46	17-129			
Chrysene	0.194	0.00372	"	0.372	<0.00123	52	19-129			
Fluoranthene	0.179	0.00372	"	0.372	<0.00123	48	14-136			
Fluorene	0.176	0.00372	"	0.372	<0.00123	47	16-134			
Indeno(1,2,3-cd)pyrene	0.185	0.00372	"	0.372	<0.00123	50	13-134			
Naphthalene	0.174	0.00372	"	0.372	<0.00123	47	16-126			
Pyrene	0.184	0.00372	"	0.372	<0.00123	50	12-139			

*Surrogate: 5-alpha-Androstane*

0.101

"

0.186

0.133

54

22-135

<b>MSD (1205998000 SD)</b>		<b>Source: 707295001</b>			<b>Prepared: 02/07/2025 Analyzed: 02/07/2025</b>					
Benzo(b)fluoranthene	0.227	0.00369	mg/kg dry	0.369	<0.00122	61	14-136	16	30	
Pyrene	0.223	0.00369	"	0.369	<0.00122	60	12-139	19	30	
1-Methylnaphthalene	0.225	0.00369	"	0.369	<0.00122	61	15-129	18	30	
2-Methylnaphthalene	0.227	0.00369	"	0.369	<0.00122	62	15-132	15	30	
Acenaphthene	0.204	0.00369	"	0.369	<0.00122	55	17-129	18	30	
Anthracene	0.241	0.00369	"	0.369	<0.00122	65	18-136	30	30	
Benzo(a)anthracene	0.239	0.00369	"	0.369	<0.00122	65	20-132	17	30	
Benzo(a)pyrene	0.236	0.00369	"	0.369	<0.00122	64	16-133	16	30	
Benzo(k)fluoranthene	0.213	0.00369	"	0.369	<0.00122	58	18-138	16	30	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2746189 - SW846 3541

MSD (1205998000 SD)	Source: 707295001			Prepared: 02/07/2025 Analyzed: 02/07/2025						
Dibenzo(a,h)anthracene	0.233	0.00369	mg/kg dry	0.369	<0.00122	63	11-134	18	30	
Fluoranthene	0.219	0.00369	"	0.369	<0.00122	59	14-136	20	30	
Fluorene	0.216	0.00369	"	0.369	<0.00122	59	16-134	21	30	
Chrysene	0.235	0.00369	"	0.369	<0.00122	64	19-129	19	30	
Naphthalene	0.193	0.00369	"	0.369	<0.00122	52	16-126	10	30	
Indeno(1,2,3-cd)pyrene	0.235	0.00369	"	0.369	<0.00122	64	13-134	24	30	
Surrogate: 5-alpha-Androstane	0.133		"	0.185	0.133	72	22-135			

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 Project: Amoco 44-17

**Total Metals 7196A - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2746568 - SW846 3060A</b>										
<b>BLANK (1205998625-BLK)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	ND	0.376	mg/kg				-			U
<b>LCS (1205998626-BKS)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	3.74	0.380	mg/kg	3.80		98.5	80-120			
<b>DUP (1205998627 D)</b>					Source: 707551001 Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	ND	0.427	mg/kg dry		<0.171		0-50	N/A	50	U
<b>MS (1205998628 S)</b>					Source: 707551001 Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	3.40	0.427	mg/kg dry	4.27	<0.171	78.5	75-125			
<b>DUP (1205998629 D)</b>					Source: 707560015 Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	ND	0.332	mg/kg dry		<0.133		0-50	N/A	50	U
<b>MS (1205998630 S)</b>					Source: 707560015 Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	2.32	0.332	mg/kg dry	3.32	<0.133	69.6	75-125			
<b>ILCS (1205998631-ILCS)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	8.07	0.378	mg/kg	7.62		106	80-120			

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Chris Roy  
 Project Number: 203724474  
 Project: Amoco 44-17

**Total Metals 7196A - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2746570 - SW846 3060A</b>										
<b>BLANK (1205998632-BLK)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	ND	0.369	mg/kg				-			U
<b>LCS (1205998633-BKS)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	3.86	0.388	mg/kg	3.88		99.6	80-120			
<b>DUP (1205998634 D)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
<b>Source: 707568001</b>										
Hexavalent Chromium	ND	0.335	mg/kg dry		<0.134		0-50	N/A	50	U
<b>MS (1205998635 S)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
<b>Source: 707568001</b>										
Hexavalent Chromium	3.45	0.336	mg/kg dry	3.36	<0.134	102	75-125			
<b>DUP (1205998636 D)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
<b>Source: E5B0070-01</b>										
Hexavalent Chromium	ND	0.349	mg/kg dry		<0.140		0-50	N/A	50	U
<b>MS (1205998637 S)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
<b>Source: E5B0070-01</b>										
Hexavalent Chromium	3.21	0.350	mg/kg dry	3.50	<0.140	90.6	75-125			
<b>ILCS (1205998638-ILCS)</b>					Prepared: 02/11/2025 Analyzed: 02/12/2025					
Hexavalent Chromium	8.06	0.379	mg/kg	7.66		105	80-120			

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## Notes and Definitions

- Ua Sample is Non-Detect.
- U Result not detected above the detection limit
- R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- J Greater than the detection limit but less than the reporting limit
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

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