



Absaroka

January 10, 2025

Joel Mason

112 High St.

Buffalo

WY

82834

Project Name - Citation Speaker Unit Compressor

Project Number - [none]

Attached are your analytical results for Citation Speaker Unit Compressor received by Origins Laboratory December 06, 2024. This project is associated with Origins project number E4L0247-01.

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

Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SPKRAST1_1@8"	E4L0247-01	Soil	December 2, 2024 13:26	12/06/2024 16:30
SPKRAST1_2@10"	E4L0247-02	Soil	December 2, 2024 13:27	12/06/2024 16:30
SPKRAST1_3@1'	E4L0247-03	Soil	December 2, 2024 13:29	12/06/2024 16:30
SPKRAST1_4@16"	E4L0247-04	Soil	December 2, 2024 13:24	12/06/2024 16:30
SPKRAST1_5@18"	E4L0247-05	Soil	December 2, 2024 13:21	12/06/2024 16:30
SPKRAST1_UNDER TANK@10"	E4L0247-06	Soil	December 2, 2024 13:23	12/06/2024 16:30
SPKRAST1_NW_LEAK@6"	E4L0247-07	Soil	December 2, 2024 13:17	12/06/2024 16:30
SPKRAST2_1@10"	E4L0247-08	Soil	December 2, 2024 13:38	12/06/2024 16:30
SPKRAST2_2@12"	E4L0247-09	Soil	December 2, 2024 13:39	12/06/2024 16:30
SPKRAST2_3@18"	E4L0247-10	Soil	December 2, 2024 13:41	12/06/2024 16:30
SPKRAST2_4@16"	E4L0247-11	Soil	December 2, 2024 13:45	12/06/2024 16:30
SPKRAST2_5@18"	E4L0247-12	Soil	December 2, 2024 13:50	12/06/2024 16:30
SPKRAST2_UNDERTANK@10"	E4L0247-13	Soil	December 2, 2024 13:55	12/06/2024 16:30

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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

ORIGINS

646247

Page 1 of 2

Client: _____ Citation/ Absaroka
Address: _____

Project Manager: Joel Mason

Project Name: Citation Smoother 11a

Key

Project Name: Citation Speaker Unit Compressor

Project Number: _____

$W = W_{\text{ore}}$

Email Address: Joel.mason@absarokasolutions.com

Invoice/Billing Info: On File - Citation

WW= Waste Water

S-Sol | SO=Sol'd | O=OH | A-A' | S=Sos || UHP=Uhpres | H₂C = Hydrocarbonic | HNO₃=Nitric | H₂SO₄=Sulfuric | NaOH= Sodium Hydroxide

[illegible]

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>Gulley</i>	12/6/21	1400	<i>[Signature]</i>	12/6/21	1630
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Turnaround Time: ☒ SAME DAY ☐ 24 Hrs

☐ Standard ☐ 48 Hr ☐ 72 Hr

Temp Received- 6 Received On Ice? ☒ Yes ☐ No

☒ Yes ☐ No

☐ Standard

Word

Origins Laboratory

Byron

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Jordan A. Bynon, Project Manager

Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason

Project Number: [none]

Project: Citation Speaker Unit Compressor

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640247

Page 2 of 2

Client:	Clatton, Amanda	Project Manager:	Joel Mason	Key
Address:		Project Name:	Clatton Speaker Unit Compressor	W=Water
		Project Number:		GW=Groundwater
Telephone Number:	301-262-8975	Collected By:	TS/DS	SW=Surface Water
Email Address:	joel.mason@absolutedrums.com	Invoice Billing Info:	On File - Clatton	WW=Waste Water

[illegible]

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	12/6/24	1400	<i>[Signature]</i>	12/6/24	1630
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

☐ Standard
☐ 48 Hr ☐ 72
☒ SAME DAY ☐ 24

Temp Received - 6
Received On Ice? ☒ Yes ☐ No

Origins Laboratory

Byron

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Jordan A. Bynon, Project Manager

Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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

Sample Receipt Checklist

Origins Work Order: E40247 Client: Absaroka
Client Project ID: Speaker Unit

Checklist Completed by: ZHD 16 WS DAPA Shipped Via: HD
Date/time completed: 12/10/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____
Cooler Number/Temperature: 1 6 °C 1 °C 1 °C (Describe) °C
Thermometer ID: 1007

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

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

Reviewed by (Project Manager) ZHD

12/10/12
Date/Time Reviewed

Origins Laboratory

J. Bynon

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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 1@8"

12/2/2024 1:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.807	0.0990	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	60.5	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	134	100	"	"	"	"	"

Surrogate: o-Terphenyl	74.2 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/12/2024	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	109 %	70-130	"	"	"
Surrogate: Toluene-d8	94.5 %	70-130	"	"	"

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SPKRAST1 1@8"

12/2/2024 1:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	92.0 %	70-130	B4L06 63	12/06/2024	12/12/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	01/03/2025	01/07/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	3.77	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	0.0219	0.00123	0.00371	mg/kg dry	1	2719053	12/11/2024	12/11/2024
2-Methylnaphthalene	0.00520	0.00123	0.00371	"	"	"	"	"
Acenaphthene	0.00705	0.00123	0.00371	"	"	"	"	"
Anthracene	ND	0.00123	0.00371	"	"	"	"	U
Benzo(a)anthracene	ND	0.00123	0.00371	"	"	"	"	U
Benzo(a)pyrene	0.00483	0.00123	0.00371	"	"	"	"	"
Benzo(b)fluoranthene	0.0108	0.00123	0.00371	"	"	"	"	"
Benzo(k)fluoranthene	0.00223	0.00123	0.00371	"	"	"	"	J
Chrysene	0.0412	0.00123	0.00371	"	"	"	"	"
Dibenzo(a,h)anthracene	0.00334	0.00123	0.00371	"	"	"	"	J
Fluoranthene	0.00965	0.00123	0.00371	"	"	"	"	"
Fluorene	0.0479	0.00123	0.00371	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00446	0.00123	0.00371	"	"	"	"	"

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Joel Mason
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Project: Citation Speaker Unit Compressor

SPKRAST1 1@8"

12/2/2024 1:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-01 (Soil)

PAH by 3541/8270

Naphthalene	0.00260	0.00123	0.00371	mg/kg dry	1	2719053	12/11/2024	12/11/2024	J
Pyrene	0.0238	0.00123	0.00371	"	"	"	"	"	

Surrogate: 5-alpha-Androstane	55 %		22-135			"	"	"	
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pH in Soil by 9045D

pH	8.20			pH Units	1	B4L1223	12/12/2024	12/13/2024	
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SAR by 20B Saturated Paste

SAR	7.40		0.0100	SAR	1	B5A0311	01/03/2025	01/07/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.570		0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.16		0.274	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Barium	81.9		9.46	"	"	"	"	"	
Cadmium	ND		0.0946	"	"	"	"	"	
Copper	ND		9.46	"	"	"	"	"	
Lead	6.92		0.946	"	"	"	"	"	

Origins Laboratory



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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 1@8"

12/2/2024 1:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0247-01 (Soil)

Table 915 metals by EPA 6020B

Nickel	5.73		0.946	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Selenium	ND		0.246	"	"	"	"	"	
Silver	ND		0.0946	"	"	"	"	"	
Zinc	39.5		35.0	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.155	0.389	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 2@10"

12/2/2024 1:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.439	0.0991	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	47.5	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	113	100	"	"	"	"	"

Surrogate: o-Terphenyl	70.6 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/12/2024	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	110 %	70-130	"	"	"
Surrogate: Toluene-d8	89.9 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 2@10"

12/2/2024 1:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.4 %	70-130	B4L06 63	12/06/2024	12/12/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.527	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.48	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	ND	0.00125	0.00378	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
2-Methylnaphthalene	ND	0.00125	0.00378	"	"	"	"	"	U
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	0.00341	0.00125	0.00378	"	"	"	"	"	J
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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112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 2@10"

12/2/2024 1:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-02 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00125	0.00378	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00125	0.00378	"	"	"	"	"	U
Pyrene	ND	0.00125	0.00378	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane	46 %	22-135	"	"	"
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pH in Soil by 9045D

pH	8.26	pH Units	1	B4L1223	12/12/2024	12/13/2024
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SAR by 20B Saturated Paste

SAR	4.64	0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.386	0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024
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Table 915 metals by EPA 6020B

Arsenic	2.50	0.259	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Barium	79.9	8.94	"	"	"	"	"
Cadmium	ND	0.0894	"	"	"	"	"

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Absaroka
112 High St.
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WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 2@10"

12/2/2024 1:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-02 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	8.94	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Lead	5.92	0.894	"	"	"	"	"
Nickel	5.19	0.894	"	"	"	"	"
Selenium	ND	0.233	"	"	"	"	"
Silver	ND	0.0894	"	"	"	"	"
Zinc	ND	33.1	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.173	0.433	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 3@1'
12/2/2024 1:29:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0247-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.106	0.0981	mg/L	1	B4L0910	12/09/2024	12/11/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	33.9	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	83.9 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/12/2024	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	112 %	70-130	"	"	"	"	"	
Surrogate: Toluene-d8	96.7 %	70-130	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 3@1'

12/2/2024 1:29:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.4 %	70-130	B4L06 63	12/06/2024	12/12/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.717	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.36	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	ND	0.00127	0.00385	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
2-Methylnaphthalene	ND	0.00127	0.00385	"	"	"	"	"	U
Acenaphthene	ND	0.00127	0.00385	"	"	"	"	"	U
Anthracene	ND	0.00127	0.00385	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00127	0.00385	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00127	0.00385	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00127	0.00385	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00127	0.00385	"	"	"	"	"	U
Chrysene	0.00385	0.00127	0.00385	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.00127	0.00385	"	"	"	"	"	U
Fluoranthene	ND	0.00127	0.00385	"	"	"	"	"	U
Fluorene	ND	0.00127	0.00385	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 3@1'

12/2/2024 1:29:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-03 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00127	0.00385	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00127	0.00385	"	"	"	"	"	U
Pyrene	ND	0.00127	0.00385	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane	48 %	22-135	"	"	"
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pH in Soil by 9045D

pH	7.44	pH Units	1	B4L1223	12/12/2024	12/13/2024
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SAR by 20B Saturated Paste

SAR	3.77	0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.407	0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024
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Table 915 metals by EPA 6020B

Arsenic	1.38	0.271	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Barium	56.5	9.33	"	"	"	"	"
Cadmium	ND	0.0933	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 3@1'

12/2/2024 1:29:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0247-03 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	9.33	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Lead	4.66	0.933	"	"	"	"	"
Nickel	4.08	0.933	"	"	"	"	"
Selenium	ND	0.243	"	"	"	"	"
Silver	ND	0.0933	"	"	"	"	"
Zinc	ND	34.5	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.155	0.389	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 4@16"

12/2/2024 1:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.395	0.0982	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	149	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	382	100	"	"	"	"	"

Surrogate: o-Terphenyl	82.6 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/12/2024	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	115 %	70-130	"	"	"
Surrogate: Toluene-d8	95.7 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 4@16"

12/2/2024 1:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.7 %	70-130	B4L06 63	12/06/2024	12/12/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.850	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.72	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	ND	0.00125	0.00379	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
2-Methylnaphthalene	ND	0.00125	0.00379	"	"	"	"	"	U
Acenaphthene	ND	0.00125	0.00379	"	"	"	"	"	U
Anthracene	ND	0.00125	0.00379	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00125	0.00379	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00125	0.00379	"	"	"	"	"	U
Benzo(b)fluoranthene	0.00189	0.00125	0.00379	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00125	0.00379	"	"	"	"	"	U
Chrysene	0.00719	0.00125	0.00379	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.00125	0.00379	"	"	"	"	"	U
Fluoranthene	ND	0.00125	0.00379	"	"	"	"	"	U
Fluorene	ND	0.00125	0.00379	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 4@16"

12/2/2024 1:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-04 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00125	0.00379	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00125	0.00379	"	"	"	"	"	U
Pyrene	0.00303	0.00125	0.00379	"	"	"	"	"	J

Surrogate: 5-alpha-Androstane	61 %	22-135	"	"	"
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pH in Soil by 9045D

pH	8.17	pH Units	1	B4L1223	12/12/2024	12/13/2024
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SAR by 20B Saturated Paste

SAR	3.96	0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.400	0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024
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Table 915 metals by EPA 6020B

Arsenic	2.00	0.274	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Barium	235	9.46	"	"	"	"	"
Cadmium	0.134	0.0946	"	"	"	"	"
Copper	ND	9.46	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 4@16"

12/2/2024 1:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-04 (Soil)

Table 915 metals by EPA 6020B

Lead	8.07	0.946	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Nickel	7.51	0.946	"	"	"	"	"
Selenium	ND	0.246	"	"	"	"	"
Silver	ND	0.0946	"	"	"	"	"
Zinc	36.1	35.0	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.155	0.386	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 5@18"

12/2/2024 1:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.242	0.0994	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	59.3	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	173	100	"	"	"	"	"

Surrogate: o-Terphenyl	84.4 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	98.3 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 5@18"

12/2/2024 1:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.8 %	70-130	B4L06 63	12/06/2024	12/14/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.643	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	5.74	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	ND	0.00126	0.00381	mg/kg dry	1	2720304	12/13/2024	12/13/2024	U
2-Methylnaphthalene	ND	0.00126	0.00381	"	"	"	"	"	U
Acenaphthene	ND	0.00126	0.00381	"	"	"	"	"	U
Anthracene	ND	0.00126	0.00381	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00126	0.00381	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00126	0.00381	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00126	0.00381	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00126	0.00381	"	"	"	"	"	U
Chrysene	ND	0.00126	0.00381	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00126	0.00381	"	"	"	"	"	U
Fluoranthene	ND	0.00126	0.00381	"	"	"	"	"	U
Fluorene	ND	0.00126	0.00381	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 5@18"

12/2/2024 1:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
E4L0247-05 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00126	0.00381	mg/kg dry	1	2720304	12/13/2024	12/13/2024	U
Naphthalene	ND	0.00126	0.00381	"	"	"	"	"	U
Pyrene	ND	0.00126	0.00381	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane	65 %	22-135	"	"	"
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pH in Soil by 9045D

pH	7.96	pH Units	1	B4L1223	12/12/2024	12/13/2024
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SAR by 20B Saturated Paste

SAR	9.48	0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.796	0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024
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Table 915 metals by EPA 6020B

Arsenic	2.23	0.254	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Barium	86.7	8.76	"	"	"	"	"
Cadmium	0.124	0.0876	"	"	"	"	"
Copper	ND	8.76	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 5@18"

12/2/2024 1:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-05 (Soil)

Table 915 metals by EPA 6020B

Lead	6.04		0.876	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Nickel	5.46		0.876	"	"	"	"	"	
Selenium	ND		0.228	"	"	"	"	"	
Silver	ND		0.0876	"	"	"	"	"	
Zinc	ND		32.4	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.144	0.359	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 UNDER TANK@10"

12/2/2024 1:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0995	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	174	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	344	100	"	"	"	"	"

Surrogate: o-Terphenyl	86.1 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	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	103 %	70-130	"	"	"
Surrogate: Toluene-d8	98.2 %	70-130	"	"	"

Origins Laboratory



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

Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 UNDER TANK@10"

12/2/2024 1:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	104 %	70-130	B4L06 63	12/06/2024	12/14/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.78	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	ND	0.00123	0.00373	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
2-Methylnaphthalene	ND	0.00123	0.00373	"	"	"	"	"	U
Acenaphthene	ND	0.00123	0.00373	"	"	"	"	"	U
Anthracene	ND	0.00123	0.00373	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00123	0.00373	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00123	0.00373	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00123	0.00373	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00123	0.00373	"	"	"	"	"	U
Chrysene	ND	0.00123	0.00373	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00123	0.00373	"	"	"	"	"	U
Fluoranthene	ND	0.00123	0.00373	"	"	"	"	"	U
Fluorene	ND	0.00123	0.00373	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 UNDER TANK@10"

12/2/2024 1:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-06 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00123	0.00373	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00123	0.00373	"	"	"	"	"	U
Pyrene	ND	0.00123	0.00373	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane	33 %	22-135	"	"	"
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pH in Soil by 9045D

pH	8.34	pH Units	1	B4L1223	12/12/2024	12/13/2024
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SAR by 20B Saturated Paste

SAR	3.48	0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.296	0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024
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Table 915 metals by EPA 6020B

Arsenic	1.25	0.251	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Barium	31.8	8.64	"	"	"	"	"
Cadmium	ND	0.0864	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 UNDER TANK@10"

12/2/2024 1:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-06 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	8.64	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Lead	2.18	0.864	"	"	"	"	"
Nickel	2.25	0.864	"	"	"	"	"
Selenium	ND	0.225	"	"	"	"	"
Silver	ND	0.0864	"	"	"	"	"
Zinc	ND	32.0	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.168	0.420	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 NW LEAK@6"

12/2/2024 1:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.420	0.0997	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	1170	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	1260	100	"	"	"	"	"

Surrogate: o-Terphenyl	93.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	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	7.03	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"
Surrogate: Toluene-d8	97.5 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 NW LEAK@6"

12/2/2024 1:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	105 %	70-130	B4L06 63	12/06/2024	12/14/2024
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Metals by Saturated Paste by EPA 6010

Calcium	12.4	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	1.75	0.823	"	"	"	"	"
Sodium	34.9	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	0.222	0.00114	0.00344	mg/kg dry	1	2719053	12/11/2024	12/11/2024
2-Methylnaphthalene	0.0939	0.00114	0.00344	"	"	"	"	"
Acenaphthene	0.0134	0.00114	0.00344	"	"	"	"	"
Anthracene	ND	0.00114	0.00344	"	"	"	"	U
Benzo(a)anthracene	ND	0.00114	0.00344	"	"	"	"	U
Benzo(a)pyrene	0.00585	0.00114	0.00344	"	"	"	"	"
Benzo(b)fluoranthene	0.0179	0.00114	0.00344	"	"	"	"	"
Benzo(k)fluoranthene	0.00344	0.00114	0.00344	"	"	"	"	"
Chrysene	0.0647	0.00114	0.00344	"	"	"	"	"
Dibenzo(a,h)anthracene	0.00344	0.00114	0.00344	"	"	"	"	"
Fluoranthene	0.0148	0.00114	0.00344	"	"	"	"	"
Fluorene	0.0788	0.00114	0.00344	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00378	0.00114	0.00344	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 NW LEAK@6"

12/2/2024 1:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-07 (Soil)

PAH by 3541/8270

Naphthalene	0.0158	0.00114	0.00344	mg/kg dry	1	2719053	12/11/2024	12/11/2024	
Pyrene	0.0330	0.00114	0.00344	"	"	"	"	"	

Surrogate: 5-alpha-Androstane	98 %		22-135			"	"	"	
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pH in Soil by 9045D

pH	7.52			pH Units	1	B4L1223	12/12/2024	12/13/2024	
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SAR by 20B Saturated Paste

SAR	13.1		0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.84		0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.93		0.248	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Barium	62.2		8.56	"	"	"	"	"	
Cadmium	ND		0.0856	"	"	"	"	"	
Copper	29.4		8.56	"	"	"	"	"	
Lead	8.11		0.856	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST1 NW LEAK@6"

12/2/2024 1:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-07 (Soil)

Table 915 metals by EPA 6020B

Nickel	16.1	0.856	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Selenium	ND	0.222	"	"	"	"	"
Silver	ND	0.0856	"	"	"	"	"
Zinc	90.3	31.7	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.134	0.336	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 1@10"

12/2/2024 1:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.308	0.0988	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	79.0	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	150	100	"	"	"	"	"

Surrogate: o-Terphenyl	80.2 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	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	112 %	70-130	"	"	"
Surrogate: Toluene-d8	95.0 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 1@10"

12/2/2024 1:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	100 %	70-130	B4L06 63	12/06/2024	12/14/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.28	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	6.14	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	0.0109	0.00138	0.00418	mg/kg dry	1	2719053	12/11/2024	12/11/2024	
2-Methylnaphthalene	0.00334	0.00138	0.00418	"	"	"	"	"	J
Acenaphthene	ND	0.00138	0.00418	"	"	"	"	"	U
Anthracene	ND	0.00138	0.00418	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00138	0.00418	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00138	0.00418	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00138	0.00418	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00138	0.00418	"	"	"	"	"	U
Chrysene	0.00334	0.00138	0.00418	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.00138	0.00418	"	"	"	"	"	U
Fluoranthene	ND	0.00138	0.00418	"	"	"	"	"	U
Fluorene	0.00376	0.00138	0.00418	"	"	"	"	"	J

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 1@10"

12/2/2024 1:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-08 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00138	0.00418	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00138	0.00418	"	"	"	"	"	U
Pyrene	ND	0.00138	0.00418	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane	39 %		22-135			"	"	"	
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pH in Soil by 9045D

pH	8.05			pH Units	1	B4L1223	12/12/2024	12/13/2024	
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SAR by 20B Saturated Paste

SAR	7.34		0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.955		0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.26		0.277	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Barium	85.8		9.55	"	"	"	"	"	
Cadmium	ND		0.0955	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 1@10"

12/2/2024 1:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-08 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	9.55	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Lead	6.31	0.955	"	"	"	"	"
Nickel	5.86	0.955	"	"	"	"	"
Selenium	ND	0.248	"	"	"	"	"
Silver	ND	0.0955	"	"	"	"	"
Zinc	ND	35.3	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.136	0.341	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 2@12"

12/2/2024 1:39:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.280	0.100	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	98.4 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	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	105 %	70-130	"	"	"
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 2@12"

12/2/2024 1:39:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.5 %		70-130			B4L06 63	12/06/2024	12/14/2024	
Surrogate: 4-Bromofluorobenzene	97.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.49		0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	6.67		0.435	"	"	"	"	"	

PAH by 3541/8270

1-Methylnaphthalene	ND	0.00125	0.00379	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
2-Methylnaphthalene	ND	0.00125	0.00379	"	"	"	"	"	U
Acenaphthene	ND	0.00125	0.00379	"	"	"	"	"	U
Anthracene	ND	0.00125	0.00379	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00125	0.00379	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00125	0.00379	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00125	0.00379	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00125	0.00379	"	"	"	"	"	U
Chrysene	0.00227	0.00125	0.00379	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.00125	0.00379	"	"	"	"	"	U
Fluoranthene	ND	0.00125	0.00379	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 2@12"

12/2/2024 1:39:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-09 (Soil)

PAH by 3541/8270

Fluorene	ND	0.00125	0.00379	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Indeno(1,2,3-cd)pyrene	ND	0.00125	0.00379	"	"	"	"	"	U
Naphthalene	ND	0.00125	0.00379	"	"	"	"	"	U
Pyrene	ND	0.00125	0.00379	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 59 % 22-135 " " "

pH in Soil by 9045D

pH	7.65			pH Units	1	B4L1223	12/12/2024	12/13/2024	
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SAR by 20B Saturated Paste

SAR	5.67		0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.28		0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.59		0.282	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Barium	73.8		9.71	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 2@12"

12/2/2024 1:39:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0247-09 (Soil)

Table 915 metals by EPA 6020B

Cadmium	ND	0.0971	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Copper	ND	9.71	"	"	"	"	"
Lead	6.48	0.971	"	"	"	"	"
Nickel	5.95	0.971	"	"	"	"	"
Selenium	ND	0.253	"	"	"	"	"
Silver	ND	0.0971	"	"	"	"	"
Zinc	ND	35.9	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.161	0.403	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 3@18"

12/2/2024 1:41:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.543	0.100	mg/L	1	B4L0910	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	142	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	219	100	"	"	"	"	"

Surrogate: o-Terphenyl	85.1 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	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	0.401	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
Surrogate: Toluene-d8	95.4 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 3@18"

12/2/2024 1:41:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	98.8 %	70-130	B4L06 63	12/06/2024	12/14/2024
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Metals by Saturated Paste by EPA 6010

Calcium	4.05	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	16.3	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	0.00546	0.00129	0.00390	mg/kg dry	1	2719053	12/11/2024	12/11/2024	
2-Methylnaphthalene	ND	0.00129	0.00390	"	"	"	"	"	U
Acenaphthene	ND	0.00129	0.00390	"	"	"	"	"	U
Anthracene	ND	0.00129	0.00390	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00129	0.00390	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00129	0.00390	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00129	0.00390	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00129	0.00390	"	"	"	"	"	U
Chrysene	0.00312	0.00129	0.00390	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.00129	0.00390	"	"	"	"	"	U
Fluoranthene	ND	0.00129	0.00390	"	"	"	"	"	U
Fluorene	0.00234	0.00129	0.00390	"	"	"	"	"	J

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 3@18"

12/2/2024 1:41:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-10 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00129	0.00390	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00129	0.00390	"	"	"	"	"	U
Pyrene	ND	0.00129	0.00390	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane	58 %	22-135	"	"	"
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pH in Soil by 9045D

pH	7.86	pH Units	1	B4L1223	12/12/2024	12/13/2024
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SAR by 20B Saturated Paste

SAR	10.7	0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.65	0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024
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Table 915 metals by EPA 6020B

Arsenic	2.26	0.261	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Barium	79.5	8.98	"	"	"	"	"
Cadmium	ND	0.0898	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 3@18"

12/2/2024 1:41:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-10 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	8.98	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Lead	5.38	0.898	"	"	"	"	"
Nickel	4.81	0.898	"	"	"	"	"
Selenium	ND	0.234	"	"	"	"	"
Silver	ND	0.0898	"	"	"	"	"
Zinc	ND	33.2	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.121	0.302	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 4@16"

12/2/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.318	0.0988	mg/L	1	B4L0911	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	63.4	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	170	100	"	"	"	"	"

Surrogate: o-Terphenyl	77.2 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"
Surrogate: Toluene-d8	96.6 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 4@16"

12/2/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-11 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	96.0 %	70-130	B4L06 63	12/06/2024	12/14/2024
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Metals by Saturated Paste by EPA 6010

Calcium	3.40	0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	5.80	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	0.00690	0.00120	0.00363	mg/kg dry	1	2719053	12/11/2024	12/11/2024	
2-Methylnaphthalene	ND	0.00120	0.00363	"	"	"	"	"	U
Acenaphthene	ND	0.00120	0.00363	"	"	"	"	"	U
Anthracene	ND	0.00120	0.00363	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00120	0.00363	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00120	0.00363	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00120	0.00363	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00120	0.00363	"	"	"	"	"	U
Chrysene	0.00363	0.00120	0.00363	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.00120	0.00363	"	"	"	"	"	U
Fluoranthene	ND	0.00120	0.00363	"	"	"	"	"	U
Fluorene	0.00363	0.00120	0.00363	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 4@16"

12/2/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-11 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00120	0.00363	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00120	0.00363	"	"	"	"	"	U
Pyrene	ND	0.00120	0.00363	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane	39 %		22-135			"	"	"	
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pH in Soil by 9045D

pH	7.89			pH Units	1	B4L1223	12/12/2024	12/13/2024	
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SAR by 20B Saturated Paste

SAR	4.30		0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.29		0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.86		0.264	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Barium	92.0		9.10	"	"	"	"	"	
Cadmium	ND		0.0910	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 4@16"

12/2/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-11 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	9.10	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Lead	5.33	0.910	"	"	"	"	"
Nickel	5.07	0.910	"	"	"	"	"
Selenium	ND	0.237	"	"	"	"	"
Silver	ND	0.0910	"	"	"	"	"
Zinc	ND	33.7	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.174	0.435	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 5@18"

12/2/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.366	0.0998	mg/L	1	B4L0911	12/09/2024	12/11/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	51.8	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024
Residual Range Organics (C28-C40)	103	100	"	"	"	"	"

Surrogate: o-Terphenyl	86.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	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	104 %	70-130	"	"	"
Surrogate: Toluene-d8	98.6 %	70-130	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 5@18"

12/2/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-12 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	100 %	70-130	B4L06 63	12/06/2024	12/14/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/16/2024	12/17/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	4.83	0.435	"	"	"	"	"

PAH by 3541/8270

1-Methylnaphthalene	0.00415	0.00124	0.00377	mg/kg dry	1	2719053	12/11/2024	12/11/2024	
2-Methylnaphthalene	ND	0.00124	0.00377	"	"	"	"	"	U
Acenaphthene	ND	0.00124	0.00377	"	"	"	"	"	U
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	0.00189	0.00124	0.00377	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00124	0.00377	"	"	"	"	"	U
Chrysene	0.00453	0.00124	0.00377	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.00124	0.00377	"	"	"	"	"	U
Fluoranthene	ND	0.00124	0.00377	"	"	"	"	"	U
Fluorene	0.00226	0.00124	0.00377	"	"	"	"	"	J

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 5@18"

12/2/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-12 (Soil)

PAH by 3541/8270

Indeno(1,2,3-cd)pyrene	ND	0.00124	0.00377	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Naphthalene	ND	0.00124	0.00377	"	"	"	"	"	U
Pyrene	0.00226	0.00124	0.00377	"	"	"	"	"	J

Surrogate: 5-alpha-Androstane	50 %	22-135	"	"	"
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pH in Soil by 9045D

pH	7.99	pH Units	1	B4L1223	12/12/2024	12/13/2024
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SAR by 20B Saturated Paste

SAR	13.7	0.0100	SAR	1	B4L1608	12/16/2024	12/17/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.511	0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024
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Table 915 metals by EPA 6020B

Arsenic	2.39	0.261	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Barium	72.9	8.99	"	"	"	"	"
Cadmium	0.104	0.0899	"	"	"	"	"
Copper	ND	8.99	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 5@18"

12/2/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0247-12 (Soil)

Table 915 metals by EPA 6020B

Lead	6.72	0.899	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Nickel	5.52	0.899	"	"	"	"	"
Selenium	ND	0.234	"	"	"	"	"
Silver	ND	0.0899	"	"	"	"	"
Zinc	ND	33.2	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.116	0.289	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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

Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 UNDERTANK@10"

12/2/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-13 (Soil)

Boron (DTPA Sorbitol)

Boron	0.128	0.0997	mg/L	1	B4L0911	12/09/2024	12/11/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4L1040	12/10/2024	12/13/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	84.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0663	12/06/2024	12/14/2024	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	104 %	70-130			"	"	"	
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 UNDERTANK@10"

12/2/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-13 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.0 %		70-130			B4L06 63	12/06/2024	12/14/2024	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.516		0.499	meq/L	10	[CALC]	12/12/2024	12/15/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.60		0.435	"	"	"	"	"	

PAH by 3541/8270

1-Methylnaphthalene	ND	0.00127	0.00384	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
2-Methylnaphthalene	ND	0.00127	0.00384	"	"	"	"	"	U
Acenaphthene	ND	0.00127	0.00384	"	"	"	"	"	U
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	ND	0.00127	0.00384	"	"	"	"	"	U
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	ND	0.00127	0.00384	"	"	"	"	"	U

Origins Laboratory



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Absaroka

112 High St.

Buffalo

WY

82834

Joel Mason

Project Number: [none]

Project: Citation Speaker Unit Compressor

SPKRAST2 UNDERTANK@10"

12/2/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0247-13 (Soil)

PAH by 3541/8270

Fluorene	ND	0.00127	0.00384	mg/kg dry	1	2719053	12/11/2024	12/11/2024	U
Indeno(1,2,3-cd)pyrene	ND	0.00127	0.00384	"	"	"	"	"	U
Naphthalene	ND	0.00127	0.00384	"	"	"	"	"	U
Pyrene	ND	0.00127	0.00384	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane

81 %

22-135

"

"

"

pH in Soil by 9045D

pH	8.12			pH Units	1	B4L1223	12/12/2024	12/13/2024	
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SAR by 20B Saturated Paste

SAR	4.83		0.0100	SAR	1	B4L1215	12/12/2024	12/15/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.437		0.00500	mmhos/cm	1	B4L1223	12/12/2024	12/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.14		0.257	mg/kg	10	B4L0645	12/06/2024	12/11/2024	
Barium	61.4		8.86	"	"	"	"	"	
Cadmium	0.101		0.0886	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

SPKRAST2 UNDERTANK@10"

12/2/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4L0247-13 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	8.86	mg/kg	10	B4L0645	12/06/2024	12/11/2024
Lead	6.36	0.886	"	"	"	"	"
Nickel	3.59	0.886	"	"	"	"	"
Selenium	ND	0.230	"	"	"	"	"
Silver	ND	0.0886	"	"	"	"	"
Zinc	ND	32.8	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.139	0.348	mg/kg dry	1	2726709	12/31/2024	01/08/2025	HU
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Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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
Batch B4L0663 - EPA 5030 (soil)										
Blank (B4L0663-BLK1)					Prepared: 12/06/2024 Analyzed: 12/12/2024					
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
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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
Batch B4L0663 - EPA 5030 (soil)										
LCS (B4L0663-BS1)					Prepared: 12/06/2024 Analyzed: 12/12/2024					
1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100		115	70-130			
1,3,5-Trimethylbenzene	0.112	0.00200	"	0.100		112	70-130			
Benzene	0.0979	0.00200	"	0.100		97.9	70-130			
Ethylbenzene	0.0964	0.00200	"	0.100		96.4	70-130			
Naphthalene	0.102	0.00380	"	0.100		102	70-130			
Toluene	0.108	0.00200	"	0.100		108	70-130			
o-Xylene	0.113	0.00200	"	0.100		113	70-130			
m,p-Xylene	0.197	0.00400	"	0.200		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.1	70-130			

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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
Batch B4L0663 - EPA 5030 (soil)										
Matrix Spike (B4L0663-MS1)			Source: E4L0247-01		Prepared: 12/06/2024 Analyzed: 12/12/2024					
1,2,4-Trimethylbenzene	0.0902	0.00200	mg/kg	0.100	ND	90.2	70-130			
1,3,5-Trimethylbenzene	0.0863	0.00200	"	0.100	ND	86.3	70-130			
Benzene	0.0895	0.00200	"	0.100	ND	89.5	70-130			
Ethylbenzene	0.0896	0.00200	"	0.100	ND	89.6	70-130			
Naphthalene	0.0770	0.00380	"	0.100	0.00152	75.5	70-130			
Toluene	0.0884	0.00200	"	0.100	ND	88.4	70-130			
o-Xylene	0.0995	0.00200	"	0.100	ND	99.5	70-130			
m,p-Xylene	0.192	0.00400	"	0.200	ND	96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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
Batch B4L0663 - EPA 5030 (soil)										
Matrix Spike Dup (B4L0663-MSD1)			Source: E4L0247-01		Prepared: 12/06/2024 Analyzed: 12/12/2024					
1,2,4-Trimethylbenzene	0.0832	0.00200	mg/kg	0.100	ND	83.2	70-130	8.05	20	
1,3,5-Trimethylbenzene	0.0805	0.00200	"	0.100	ND	80.5	70-130	6.93	20	
Benzene	0.0940	0.00200	"	0.100	ND	94.0	70-130	4.93	20	
Ethylbenzene	0.0803	0.00200	"	0.100	ND	80.3	70-130	11.0	20	
Naphthalene	0.0760	0.00380	"	0.100	0.00152	74.5	70-130	1.28	20	
Toluene	0.101	0.00200	"	0.100	ND	101	70-130	12.9	20	
o-Xylene	0.0949	0.00200	"	0.100	ND	94.9	70-130	4.69	20	
m,p-Xylene	0.164	0.00400	"	0.200	ND	81.9	70-130	16.1	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.7	70-130			

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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
Batch B4L1040 - EPA 3550B										
Blank (B4L1040-BLK1)					Prepared: 12/10/2024 Analyzed: 12/13/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	21		"	24.9		82.6	50-150			

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L1040 - EPA 3550B

LCS (B4L1040-BS1)

Prepared: 12/10/2024 Analyzed: 12/13/2024

Diesel (C10-C28)	963	50.0	mg/kg	1000		96.3	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000		108	70-130			
Surrogate: o-Terphenyl	49		"	49.8		98.4	50-150			

Origins Laboratory

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Jordan A. Bynon, Project Manager

Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L1040 - EPA 3550B

Matrix Spike (B4L1040-MS1)		Source: E4L0242-21			Prepared: 12/10/2024 Analyzed: 12/13/2024					
Diesel (C10-C28)	986	50.0	mg/kg	1000	63.9	92.2	70-130			
Residual Range Organics (C28-C40)	1170	200	"	1000	97.3	107	70-130			
Surrogate: o-Terphenyl	40		"	49.8		81.0	50-150			

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L1040 - EPA 3550B

Matrix Spike Dup (B4L1040-MSD1)		Source: E4L0242-21			Prepared: 12/10/2024 Analyzed: 12/13/2024					
Diesel (C10-C28)	985	50.0	mg/kg	1000	63.9	92.1	70-130	0.127	35	
Residual Range Organics (C28-C40)	1200	200	"	1000	97.3	110	70-130	2.66	35	
Surrogate: o-Terphenyl	37		"	49.8		75.1	50-150			

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L0645 - EPA 3050B

Blank (B4L0645-BLK1)

Prepared: 12/06/2024 Analyzed: 12/11/2024

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 (B4L0645-BS1)

Prepared: 12/06/2024 Analyzed: 12/11/2024

Arsenic	5.40	0.290	mg/kg	5.00	108	80-120
Barium	510	10.0	"	500	102	80-120
Cadmium	5.28	0.100	"	5.00	106	80-120
Copper	55.0	10.0	"	50.0	110	80-120
Lead	5.19	1.00	"	5.00	104	80-120
Nickel	5.35	1.00	"	5.00	107	80-120
Selenium	5.43	0.260	"	5.00	109	80-120
Silver	5.42	0.100	"	5.00	108	80-120
Zinc	53.3	37.0	"	50.0	107	80-120

Matrix Spike (B4L0645-MS1)

Source: E4L0245-01

Prepared: 12/06/2024 Analyzed: 12/11/2024

Origins Laboratory

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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L0645 - EPA 3050B

Matrix Spike (B4L0645-MS1)		Source: E4L0245-01			Prepared: 12/06/2024 Analyzed: 12/11/2024					
Arsenic	9.06	0.282	mg/kg	4.87	5.42	74.8	75-125			QM-07
Barium	728	9.74	"	487	47.3	140	75-125			QM-07
Cadmium	5.66	0.0974	"	4.87	0.0867	115	75-125			
Copper	63.9	9.74	"	48.7	8.80	113	75-125			
Lead	15.5	0.974	"	4.87	6.73	180	75-125			QM-07
Nickel	16.0	0.974	"	4.87	9.58	131	75-125			QM-07
Selenium	5.43	0.253	"	4.87	0.218	107	75-125			
Silver	5.69	0.0974	"	4.87	0.0325	116	75-125			
Zinc	93.4	36.0	"	48.7	27.9	134	75-125			QM-07
Matrix Spike Dup (B4L0645-MSD1)		Source: E4L0245-01			Prepared: 12/06/2024 Analyzed: 12/11/2024					
Arsenic	8.38	0.263	mg/kg	4.53	5.42	65.4	75-125	7.76	20	QM-07
Barium	665	9.06	"	453	47.3	136	75-125	9.11	20	QM-07
Cadmium	5.10	0.0906	"	4.53	0.0867	111	75-125	10.4	20	
Copper	58.5	9.06	"	45.3	8.80	110	75-125	8.91	20	
Lead	14.6	0.906	"	4.53	6.73	174	75-125	5.71	20	QM-07
Nickel	15.0	0.906	"	4.53	9.58	119	75-125	6.38	20	
Selenium	4.64	0.236	"	4.53	0.218	97.5	75-125	15.8	20	
Silver	5.08	0.0906	"	4.53	0.0325	111	75-125	11.3	20	
Zinc	88.1	33.5	"	45.3	27.9	133	75-125	5.75	20	QM-07

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L0910 - DTPA Sorbitol Preparation

Blank (B4L0910-BLK1)

Prepared: 12/09/2024 Analyzed: 12/11/2024

Boron ND 0.100 mg/L

Duplicate (B4L0910-DUP1)

Source: E4L0242-16

Prepared: 12/09/2024 Analyzed: 12/11/2024

Boron 0.405 0.101 mg/L 0.362 11.3 50

Batch B4L0911 - DTPA Sorbitol Preparation

Blank (B4L0911-BLK1)

Prepared: 12/09/2024 Analyzed: 12/11/2024

Boron ND 0.100 mg/L

Duplicate (B4L0911-DUP1)

Source: E4L0238-01

Prepared: 12/09/2024 Analyzed: 12/11/2024

Boron 0.370 0.0994 mg/L 0.379 2.39 50

Batch B4L1215 - Saturated Paste Metals

Blank (B4L1215-BLK1)

Prepared: 12/12/2024 Analyzed: 12/15/2024

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B4L1215-DUP1)

Source: E4L0242-19

Prepared: 12/12/2024 Analyzed: 12/15/2024

Calcium PPM 15.3 10.0 mg/L 18.1 16.4 50

SAR ND 0.0100 SAR 6.26 200

Magnesium PPM 1.34 10.0 mg/L 1.61 18.3 50

Sodium PPM 106 10.0 " 103 2.28 50

Origins Laboratory



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Absaroka
112 High St.
Buffalo

WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L1608 - Saturated Paste Metals

Blank (B4L1608-BLK1)

Prepared: 12/16/2024 Analyzed: 12/17/2024

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

Duplicate (B4L1608-DUP1)

Source: E4L0511-01

Prepared: 12/16/2024 Analyzed: 12/17/2024

Calcium PPM	9.99	10.0	mg/L	11.8	16.4	50
SAR	ND	0.0100	SAR	1.68	200	
Magnesium PPM	2.54	10.0	mg/L	3.81	40.0	50
Sodium PPM	24.3	10.0	"	26.0	6.76	50

Batch B5A0311 - Saturated Paste Metals

Blank (B5A0311-BLK1)

Prepared: 01/03/2025 Analyzed: 01/07/2025

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

Duplicate (B5A0311-DUP1)

Source: E5A0007-01

Prepared: 01/03/2025 Analyzed: 01/07/2025

Calcium PPM	27.1	10.0	mg/L	25.6	5.73	50
SAR	ND	0.0100	SAR	2.75	200	
Magnesium PPM	2.73	10.0	mg/L	3.02	10.1	50
Sodium PPM	40.4	10.0	"	55.3	31.2	50

Origins Laboratory



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WY 82834

Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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 B4L1223 - Saturated Paste pH/EC

Blank (B4L1223-BLK1)

Prepared: 12/12/2024 Analyzed: 12/13/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4L1223-DUP1)

Source: E4L0242-19

Prepared: 12/12/2024 Analyzed: 12/13/2024

pH	8.24		pH Units	8.16		0.976	25
Specific Conductance (EC)	0.748	0.00500	mmhos/cm	0.704		6.09	25

Origins Laboratory



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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2719053 - SW846 3541

BLANK (1205945966-BLK)

Prepared: 12/11/2024 Analyzed: 12/11/2024

Chrysene	ND	0.00332	mg/kg				-			U
Dibenzo(a,h)anthracene	ND	0.00332	"				-			U
Fluoranthene	ND	0.00332	"				-			U
Fluorene	ND	0.00332	"				-			U
Indeno(1,2,3-cd)pyrene	ND	0.00332	"				-			U
Naphthalene	ND	0.00332	"				-			U
Benzo(k)fluoranthene	ND	0.00332	"				-			U
Pyrene	ND	0.00332	"				-			U
Benzo(b)fluoranthene	ND	0.00332	"				-			U
Benzo(a)pyrene	ND	0.00332	"				-			U
Benzo(a)anthracene	ND	0.00332	"				-			U
Anthracene	ND	0.00332	"				-			U
Acenaphthene	ND	0.00332	"				-			U
1-Methylnaphthalene	ND	0.00332	"				-			U
2-Methylnaphthalene	ND	0.00332	"				-			U

Surrogate: 5-alpha-Androstane

0.158

"

0.166

95

22-135

LCS (1205945967-BKS)

Prepared: 12/11/2024 Analyzed: 12/11/2024

Benzo(a)anthracene	0.303	0.00330	mg/kg	0.330		92	42-120
1-Methylnaphthalene	0.268	0.00330	"	0.330		81	39-109
2-Methylnaphthalene	0.274	0.00330	"	0.330		83	39-110
Acenaphthene	0.272	0.00330	"	0.330		82	41-112
Benzo(a)pyrene	0.309	0.00330	"	0.330		93	39-127
Naphthalene	0.264	0.00330	"	0.330		80	38-109
Pyrene	0.284	0.00330	"	0.330		86	38-117
Indeno(1,2,3-cd)pyrene	0.272	0.00330	"	0.330		82	38-133
Fluorene	0.281	0.00330	"	0.330		85	37-115

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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2719053 - SW846 3541

LCS (1205945967-BKS)

Prepared: 12/11/2024 Analyzed: 12/11/2024

Fluoranthene	0.289	0.00330	mg/kg	0.330		88	39-119			
Dibenzo(a,h)anthracene	0.271	0.00330	"	0.330		82	38-132			
Chrysene	0.281	0.00330	"	0.330		85	42-117			
Benzo(k)fluoranthene	0.295	0.00330	"	0.330		89	40-122			
Benzo(b)fluoranthene	0.309	0.00330	"	0.330		94	39-123			
Anthracene	0.295	0.00330	"	0.330		89	41-117			
Surrogate: 5-alpha-Androstane	0.170		"	0.165		103	22-135			

LCSD (1205945968-BKSD)

Prepared: 12/11/2024 Analyzed: 12/11/2024

Benzo(a)pyrene	0.324	0.00329	mg/kg	0.329		99	39-127	5	30	
Chrysene	0.294	0.00329	"	0.329		90	42-117	5	30	
Pyrene	0.300	0.00329	"	0.329		91	38-117	6	30	
Naphthalene	0.295	0.00329	"	0.329		90	38-109	11	30	
Indeno(1,2,3-cd)pyrene	0.283	0.00329	"	0.329		86	38-133	4	30	
Fluorene	0.305	0.00329	"	0.329		93	37-115	8	30	
Fluoranthene	0.308	0.00329	"	0.329		94	39-119	6	30	
Dibenzo(a,h)anthracene	0.283	0.00329	"	0.329		86	38-132	4	30	
2-Methylnaphthalene	0.307	0.00329	"	0.329		93	39-110	11	30	
Benzo(k)fluoranthene	0.311	0.00329	"	0.329		95	40-122	5	30	
1-Methylnaphthalene	0.299	0.00329	"	0.329		91	39-109	11	30	
Acenaphthene	0.296	0.00329	"	0.329		90	41-112	9	30	
Anthracene	0.310	0.00329	"	0.329		95	41-117	5	30	
Benzo(a)anthracene	0.319	0.00329	"	0.329		97	42-120	5	30	
Benzo(b)fluoranthene	0.326	0.00329	"	0.329		99	39-123	5	30	
Surrogate: 5-alpha-Androstane	0.177		"	0.164		108	22-135			

MS (1205945969 S)

Source: 699593001

Prepared: 12/11/2024 Analyzed: 12/11/2024

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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2719053 - SW846 3541

MS (1205945969 S)		Source: 699593001			Prepared: 12/11/2024 Analyzed: 12/11/2024					
Chrysene	0.262	0.00381	mg/kg dry	0.381	<0.00126	69	19-129			
Benzo(a)anthracene	0.284	0.00381	"	0.381	<0.00126	75	20-132			
Naphthalene	0.226	0.00381	"	0.381	<0.00126	59	16-126			
Indeno(1,2,3-cd)pyrene	0.258	0.00381	"	0.381	<0.00126	68	13-134			
Fluorene	0.258	0.00381	"	0.381	<0.00126	68	16-134			
Fluoranthene	0.269	0.00381	"	0.381	<0.00126	71	14-136			
Dibenzo(a,h)anthracene	0.258	0.00381	"	0.381	0.00188	67	11-134			
Pyrene	0.264	0.00381	"	0.381	<0.00126	69	12-139			
2-Methylnaphthalene	0.244	0.00381	"	0.381	<0.00126	64	15-132			
1-Methylnaphthalene	0.239	0.00381	"	0.381	<0.00126	63	15-129			
Benzo(a)pyrene	0.290	0.00381	"	0.381	<0.00126	76	16-133			
Benzo(k)fluoranthene	0.271	0.00381	"	0.381	<0.00126	71	18-138			
Anthracene	0.274	0.00381	"	0.381	<0.00126	72	18-136			
Acenaphthene	0.247	0.00381	"	0.381	<0.00126	65	17-129			
Benzo(b)fluoranthene	0.284	0.00381	"	0.381	<0.00126	75	14-136			

Surrogate: 5-alpha-Androstane 0.155 " 0.190 0.158 82 22-135

MSD (1205945970 SD)		Source: 699593001			Prepared: 12/11/2024 Analyzed: 12/11/2024					
Chrysene	0.0874	0.00377	mg/kg dry	0.377	<0.00124	23	19-129	100	30	
Dibenzo(a,h)anthracene	0.0810	0.00377	"	0.377	0.00188	21	11-134	104	30	
Fluoranthene	0.0885	0.00377	"	0.377	<0.00124	23	14-136	101	30	
Fluorene	0.0848	0.00377	"	0.377	<0.00124	23	16-134	101	30	
Naphthalene	0.0720	0.00377	"	0.377	<0.00124	19	16-126	104	30	
Benzo(a)pyrene	0.0931	0.00377	"	0.377	<0.00124	25	16-133	103	30	
Pyrene	0.0878	0.00377	"	0.377	<0.00124	23	12-139	100	30	
Indeno(1,2,3-cd)pyrene	0.0795	0.00377	"	0.377	<0.00124	21	13-134	106	30	
Benzo(b)fluoranthene	0.0923	0.00377	"	0.377	<0.00124	24	14-136	102	30	

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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2719053 - SW846 3541

MSD (1205945970 SD)		Source: 699593001			Prepared: 12/11/2024 Analyzed: 12/11/2024					
Benzo(a)anthracene	0.0931	0.00377	mg/kg dry	0.377	<0.00124	25	20-132	101	30	
Anthracene	0.0897	0.00377	"	0.377	<0.00124	24	18-136	101	30	
Acenaphthene	0.0791	0.00377	"	0.377	<0.00124	21	17-129	103	30	
2-Methylnaphthalene	0.0784	0.00377	"	0.377	<0.00124	21	15-132	103	30	
1-Methylnaphthalene	0.0772	0.00377	"	0.377	<0.00124	21	15-129	102	30	
Benzo(k)fluoranthene	0.0912	0.00377	"	0.377	<0.00124	24	18-138	99	30	
Surrogate: 5-alpha-Androstane	0.0516		"	0.188	0.158	27	22-135			

Batch 2720304 - SW846 3541

BLANK (1205948575-BLK)		Prepared: 12/13/2024 Analyzed: 12/13/2024								
Indeno(1,2,3-cd)pyrene	ND	0.00329	mg/kg				-			U
Benzo(k)fluoranthene	ND	0.00329	"				-			U
Naphthalene	ND	0.00329	"				-			U
Fluorene	ND	0.00329	"				-			U
Fluoranthene	ND	0.00329	"				-			U
Dibenzo(a,h)anthracene	ND	0.00329	"				-			U
Chrysene	ND	0.00329	"				-			U
2-Methylnaphthalene	ND	0.00329	"				-			U
1-Methylnaphthalene	ND	0.00329	"				-			U
Pyrene	ND	0.00329	"				-			U
Acenaphthene	ND	0.00329	"				-			U
Anthracene	ND	0.00329	"				-			U
Benzo(a)anthracene	ND	0.00329	"				-			U
Benzo(a)pyrene	ND	0.00329	"				-			U
Benzo(b)fluoranthene	ND	0.00329	"				-			U
Surrogate: 5-alpha-Androstane	0.150		"	0.165		91	22-135			

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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2720304 - SW846 3541

LCS (1205948576-BKS)

Prepared: 12/13/2024 Analyzed: 12/13/2024

Benzo(a)pyrene	0.296	0.00330	mg/kg	0.330		90	39-127			
Chrysene	0.290	0.00330	"	0.330		88	42-117			
Pyrene	0.283	0.00330	"	0.330		86	38-117			
Naphthalene	0.252	0.00330	"	0.330		76	38-109			
Indeno(1,2,3-cd)pyrene	0.298	0.00330	"	0.330		90	38-133			
Fluorene	0.270	0.00330	"	0.330		82	37-115			
Fluoranthene	0.289	0.00330	"	0.330		87	39-119			
Dibenzo(a,h)anthracene	0.289	0.00330	"	0.330		88	38-132			
2-Methylnaphthalene	0.271	0.00330	"	0.330		82	39-110			
Benzo(k)fluoranthene	0.267	0.00330	"	0.330		81	40-122			
1-Methylnaphthalene	0.259	0.00330	"	0.330		78	39-109			
Acenaphthene	0.268	0.00330	"	0.330		81	41-112			
Anthracene	0.284	0.00330	"	0.330		86	41-117			
Benzo(a)anthracene	0.297	0.00330	"	0.330		90	42-120			
Benzo(b)fluoranthene	0.287	0.00330	"	0.330		87	39-123			

Surrogate: 5-alpha-Androstane

0.173

"

0.165

105

22-135

LCSD (1205948577-BKSD)

Prepared: 12/13/2024 Analyzed: 12/13/2024

Benzo(k)fluoranthene	0.275	0.00332	mg/kg	0.332		83	40-122	3	30	
Naphthalene	0.254	0.00332	"	0.332		76	38-109	0	30	
Indeno(1,2,3-cd)pyrene	0.304	0.00332	"	0.332		91	38-133	2	30	
Fluorene	0.272	0.00332	"	0.332		82	37-115	1	30	
Fluoranthene	0.294	0.00332	"	0.332		88	39-119	2	30	
Dibenzo(a,h)anthracene	0.300	0.00332	"	0.332		90	38-132	4	30	
Chrysene	0.294	0.00332	"	0.332		89	42-117	2	30	
Pyrene	0.288	0.00332	"	0.332		87	38-117	2	30	

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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2720304 - SW846 3541

LCSD (1205948577-BKSD)

Prepared: 12/13/2024 Analyzed: 12/13/2024

1-Methylnaphthalene	0.265	0.00332	mg/kg	0.332		80	39-109	2	30	
Benzo(a)pyrene	0.304	0.00332	"	0.332		91	39-127	3	30	
Benzo(a)anthracene	0.303	0.00332	"	0.332		91	42-120	2	30	
Anthracene	0.288	0.00332	"	0.332		87	41-117	1	30	
Acenaphthene	0.269	0.00332	"	0.332		81	41-112	0	30	
2-Methylnaphthalene	0.279	0.00332	"	0.332		84	39-110	3	30	
Benzo(b)fluoranthene	0.293	0.00332	"	0.332		88	39-123	2	30	

Surrogate: 5-alpha-Androstane

0.176

"

0.166

106

22-135

MS (1205948578 S)

Source: 699614001

Prepared: 12/13/2024 Analyzed: 12/13/2024

Dibenzo(a,h)anthracene	0.161	0.00395	mg/kg dry	0.395	<0.00130	41	11-134			
Fluoranthene	0.168	0.00395	"	0.395	<0.00130	43	14-136			
Fluorene	0.163	0.00395	"	0.395	<0.00130	41	16-134			
Indeno(1,2,3-cd)pyrene	0.164	0.00395	"	0.395	<0.00130	42	13-134			
Chrysene	0.159	0.00395	"	0.395	<0.00130	40	19-129			
1-Methylnaphthalene	0.159	0.00395	"	0.395	<0.00130	40	15-129			
Naphthalene	0.151	0.00395	"	0.395	<0.00130	38	16-126			
Pyrene	0.165	0.00395	"	0.395	0.00193	41	12-139			
2-Methylnaphthalene	0.166	0.00395	"	0.395	<0.00130	42	15-132			
Benzo(b)fluoranthene	0.160	0.00395	"	0.395	0.00310	40	14-136			
Benzo(a)pyrene	0.168	0.00395	"	0.395	<0.00130	43	16-133			
Benzo(a)anthracene	0.164	0.00395	"	0.395	<0.00130	42	20-132			
Anthracene	0.164	0.00395	"	0.395	<0.00130	42	18-136			
Acenaphthene	0.158	0.00395	"	0.395	<0.00130	40	17-129			
Benzo(k)fluoranthene	0.152	0.00395	"	0.395	<0.00130	39	18-138			

Surrogate: 5-alpha-Androstane

0.0994

"

0.197

0.159

50

22-135

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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2720304 - SW846 3541										
MSD (1205948579 SD)		Source: 699614001			Prepared: 12/13/2024 Analyzed: 12/13/2024					
Dibenzo(a,h)anthracene	0.268	0.00395	mg/kg dry	0.395	<0.00130	68	11-134	50	30	
Fluoranthene	0.267	0.00395	"	0.395	<0.00130	68	14-136	45	30	
Fluorene	0.247	0.00395	"	0.395	<0.00130	63	16-134	41	30	
Indeno(1,2,3-cd)pyrene	0.271	0.00395	"	0.395	<0.00130	69	13-134	49	30	
Chrysene	0.263	0.00395	"	0.395	<0.00130	67	19-129	49	30	
Pyrene	0.262	0.00395	"	0.395	0.00193	66	12-139	45	30	
Benzo(a)pyrene	0.271	0.00395	"	0.395	<0.00130	69	16-133	47	30	
Naphthalene	0.233	0.00395	"	0.395	<0.00130	59	16-126	43	30	
1-Methylnaphthalene	0.242	0.00395	"	0.395	<0.00130	61	15-129	42	30	
Benzo(b)fluoranthene	0.256	0.00395	"	0.395	0.00310	64	14-136	46	30	
Benzo(a)anthracene	0.270	0.00395	"	0.395	<0.00130	68	20-132	49	30	
Anthracene	0.261	0.00395	"	0.395	<0.00130	66	18-136	46	30	
Acenaphthene	0.247	0.00395	"	0.395	<0.00130	63	17-129	44	30	
2-Methylnaphthalene	0.254	0.00395	"	0.395	<0.00130	65	15-132	42	30	
Benzo(k)fluoranthene	0.243	0.00395	"	0.395	<0.00130	62	18-138	46	30	
Surrogate: 5-alpha-Androstane	0.150		"	0.197	0.159	76	22-135			

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Joel Mason
Project Number: [none]
Project: Citation Speaker Unit Compressor

Total Metals 7196A - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2726709 - SW846 3060A										
BLANK (1205961935-BLK)					Prepared: 12/31/2024 Analyzed: 01/08/2025					
Hexavalent Chromium	ND	0.333	mg/kg				-			U
LCS (1205961936-BKS)					Prepared: 12/31/2024 Analyzed: 01/08/2025					
Hexavalent Chromium	3.43	0.338	mg/kg	3.38		101	80-120			
DUP (1205961937 D)					Source: E4L0247-01 Prepared: 12/31/2024 Analyzed: 01/08/2025					
Hexavalent Chromium	ND	0.367	mg/kg dry		<0.147		0-50	N/A	50	HU
MS (1205961938 S)					Source: E4L0247-01 Prepared: 12/31/2024 Analyzed: 01/08/2025					
Hexavalent Chromium	2.44	0.358	mg/kg dry	3.58	<0.143	68.3	75-125			H
DUP (1205961939 D)					Source: E4L0247-02 Prepared: 12/31/2024 Analyzed: 01/08/2025					
Hexavalent Chromium	ND	0.388	mg/kg dry		<0.155		0-50	N/A	50	HU
MS (1205961940 S)					Source: E4L0247-02 Prepared: 12/31/2024 Analyzed: 01/08/2025					
Hexavalent Chromium	2.97	0.374	mg/kg dry	3.74	<0.150	78.3	75-125			H
ILCS (1205961941-ILCS)					Prepared: 12/31/2024 Analyzed: 01/08/2025					
Hexavalent Chromium	7.51	0.353	mg/kg	7.15		105	80-120			

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

Absaroka

112 High St.

Buffalo

WY

82834

Joel Mason

Project Number: [none]

Project: Citation Speaker Unit Compressor

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

HU Holding time exceeded. Non detect.

H Holding time exceeded

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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