



Absaroka  
Max Dahlgren  
112 High St.

November 06, 2024

Buffalo WY 82834

**Project Name - KMG - Labrisa 11-35HZ**

**Project Number - [none]**

Attached are your analytical results for KMG - Labrisa 11-35HZ received by Origins Laboratory November 05, 2024. This project is associated with Origins project number E4K0094-01.

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

Max Dahlgren  
Project Number: [none]  
Project: KMG - Labrisa 11-35HZ

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WC01@3"	E4K0094-01	Soil	November 5, 2024 13:15	11/05/2024 15:05
BG01@3"	E4K0094-02	Soil	November 5, 2024 13:35	11/05/2024 15:05
BG02@3"	E4K0094-03	Soil	November 5, 2024 13:37	11/05/2024 15:05
BG03@3"	E4K0094-04	Soil	November 5, 2024 13:39	11/05/2024 15:05
BG04@3"	E4K0094-05	Soil	November 5, 2024 13:40	11/05/2024 15:05
BG05@3"	E4K0094-06	Soil	November 5, 2024 13:42	11/05/2024 15:05
BG06@3"	E4K0094-07	Soil	November 5, 2024 13:45	11/05/2024 15:05

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Jen Pellegrini For Jordan A. Bynon, Project Manager

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Max Dahlgren  
Project Number: [none]  
Project: KMG - Labrisa 11-35HZ

ORIGINS

64K0094

Page 1 of 1

Client: OXY / Absaroka  
Address: \_\_\_\_\_  
Project Manager: Max Dahlgren  
Project Name: Labrisa 11-35HZ  
Project Number: \_\_\_\_\_  
Telephone Number: 970-481-6909  
Collected By: JC  
Email Address: oxy.ca.ren@absarokasolutions.com  
Invoice/Billing Info: On File - Oxy  
Key: W=Water  
GW=Groundwater  
SW=Surface Water  
WW=Waste Water

5-Sol | 50-Solids | O-Oil | Acid | Gravel | Urea-Nitrogen | HCL-Hydrochloric | HNO3-Nitric | H2O2-Sulfuric | NaOH-Sodium Hydroxide

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis										Comments
					Full 015	Baron	pH, SAR, EC	915 Metals							
W601 @ 3"	11/5/24	1315	3	UAP	X	X	X	X							
B601 @ 3"		1335	2		X	X	X	X							
B602 @ 3"		1337	2		X	X	X	X							
B607 @ 3"		1339	2		X	X	X	X							
B604 @ 3"		1340	2		X	X	X	X							
B605 @ 3"		1342	2		X	X	X	X							
B606 @ 3"		1345	2		X	X	X	X							

Temp Received- 49 Received On Ice? ☒ Yes ☐ No

☐ Standard

Turnaround Time  
☒ SAME DAY ☐ 24  
☐ 48 Hr ☐ 72

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Jefe Pellegrini

Jen Pellegrini For Jordan A. Bynon, Project Manager

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Project: KMG - Labrisa 11-35HZ

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: E4420094

Client: Absaroka

Client Project ID: Labr.59

Checklist Completed by: JHD WS

Shipped Via: HD

Date/time completed: 11/5/12

(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 / 4.9 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C (Describe)

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 <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ?	/			
Was adequate sample volume provided <sup>(1)</sup> ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		/		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	/			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	/			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	/			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			/	
Additional Comments (if any):				

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

Reviewed by (Project Manager) JHD

11/5/12  
Date/Time Reviewed

Origins Laboratory

*Jen Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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Buffalo

WY 82834

Max Dahlgren  
Project Number: [none]  
Project: KMG - Labrisa 11-35HZ

WC01@3"

11/5/2024 1:15:00PM

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

### E4K0094-01 (Soil)

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	32000	250	mg/kg	10	B4K0544	11/05/2024	11/06/2024
Residual Range Organics (C28-C40)	17500	1000	"	"	"	"	"

Surrogate: o-Terphenyl 1200 % 50-150 " " " S-06

### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	440	5.00	mg/kg	2500	B4K0543	11/05/2024	11/06/2024
1,3,5-Trimethylbenzene	58.1	0.500	"	250	"	"	11/06/2024
Benzene	21.4	0.500	"	"	"	"	"
Ethylbenzene	78.7	0.500	"	"	"	"	"
Toluene	353	5.00	"	2500	"	"	11/06/2024
Xylenes, total	796	5.00	"	"	"	"	"
Gasoline Range Hydrocarbons	25400	500	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4 96.1 % 70-130 " " 11/06/2024  
 Surrogate: Toluene-d8 143 % 70-130 " " " S-04  
 Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

### Table 915 metals by EPA 6020B

Arsenic	4.71	0.287	mg/kg	10	B4K0547	11/05/2024	11/06/2024
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WC01@3"

11/5/2024 1:15:00PM

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

E4K0094-01 (Soil)

## Table 915 metals by EPA 6020B

Barium	204	9.88	mg/kg	10	B4K0547	11/05/2024	11/06/2024	
Cadmium	0.126	0.0988	"	"	"	"	"	
Copper	46.4	9.88	"	"	"	"	"	
Lead	1.97	0.988	"	"	"	"	"	
Nickel	9.96	0.988	"	"	"	"	"	
Selenium	ND	0.257	"	"	"	"	"	U
Silver	ND	0.0988	"	"	"	"	"	U
Zinc	ND	36.6	"	"	"	"	"	U

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BG01@3"

11/5/2024 1:35:00PM

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

### E4K0094-02 (Soil)

#### Table 915 metals by EPA 6020B

Arsenic	8.78	0.275	mg/kg	10	B4K0547	11/05/2024	11/06/2024	
Barium	298	9.47	"	"	"	"	"	
Cadmium	ND	0.0947	"	"	"	"	"	U
Copper	136	9.47	"	"	"	"	"	
Lead	2.81	0.947	"	"	"	"	"	
Nickel	14.6	0.947	"	"	"	"	"	
Selenium	0.315	0.246	"	"	"	"	"	
Silver	ND	0.0947	"	"	"	"	"	U
Zinc	43.6	35.0	"	"	"	"	"	

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Project Number: [none]

Project: KMG - Labrisa 11-35HZ

BG02@3"

11/5/2024 1:37:00PM

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

E4K0094-03 (Soil)

## Table 915 metals by EPA 6020B

Arsenic	7.45	0.273	mg/kg	10	B4K0547	11/05/2024	11/06/2024	
Barium	301	9.41	"	"	"	"	"	
Cadmium	ND	0.0941	"	"	"	"	"	U
Copper	71.2	9.41	"	"	"	"	"	
Lead	4.19	0.941	"	"	"	"	"	
Nickel	16.1	0.941	"	"	"	"	"	
Selenium	ND	0.245	"	"	"	"	"	U
Silver	ND	0.0941	"	"	"	"	"	U
Zinc	48.2	34.8	"	"	"	"	"	

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Project Number: [none]

Project: KMG - Labrisa 11-35HZ

BG03@3"

11/5/2024 1:39:00PM

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

E4K0094-04 (Soil)

### Table 915 metals by EPA 6020B

Arsenic	9.05	0.281	mg/kg	10	B4K0547	11/05/2024	11/06/2024	
Barium	257	9.68	"	"	"	"	"	
Cadmium	ND	0.0968	"	"	"	"	"	U
Copper	54.6	9.68	"	"	"	"	"	
Lead	2.86	0.968	"	"	"	"	"	
Nickel	14.7	0.968	"	"	"	"	"	
Selenium	ND	0.252	"	"	"	"	"	U
Silver	ND	0.0968	"	"	"	"	"	U
Zinc	44.1	35.8	"	"	"	"	"	

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BG04@3"

11/5/2024 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E4K0094-05 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	7.91	0.283	mg/kg	10	B4K0547	11/05/2024	11/06/2024	
Barium	252	9.77	"	"	"	"	"	
Cadmium	ND	0.0977	"	"	"	"	"	U
Copper	41.1	9.77	"	"	"	"	"	
Lead	2.78	0.977	"	"	"	"	"	
Nickel	15.6	0.977	"	"	"	"	"	
Selenium	ND	0.254	"	"	"	"	"	U
Silver	ND	0.0977	"	"	"	"	"	U
Zinc	45.4	36.2	"	"	"	"	"	

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Project Number: [none]  
Project: KMG - Labrisa 11-35HZ

BG05@3"

11/5/2024 1:42:00PM

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

### E4K0094-06 (Soil)

#### Table 915 metals by EPA 6020B

Arsenic	1.23	0.262	mg/kg	10	B4K0547	11/05/2024	11/06/2024	
Barium	28.7	9.02	"	"	"	"	"	
Cadmium	0.115	0.0902	"	"	"	"	"	
Copper	ND	9.02	"	"	"	"	"	U
Lead	5.78	0.902	"	"	"	"	"	
Nickel	2.54	0.902	"	"	"	"	"	
Selenium	ND	0.234	"	"	"	"	"	U
Silver	ND	0.0902	"	"	"	"	"	U
Zinc	ND	33.4	"	"	"	"	"	U

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Project Number: [none]

Project: KMG - Labrisa 11-35HZ

BG06@3"

11/5/2024 1:45:00PM

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

E4K0094-07 (Soil)

## Table 915 metals by EPA 6020B

Arsenic	3.72	0.244	mg/kg	10	B4K0547	11/05/2024	11/06/2024	
Barium	110	8.43	"	"	"	"	"	
Cadmium	0.121	0.0843	"	"	"	"	"	
Copper	8.70	8.43	"	"	"	"	"	
Lead	11.2	0.843	"	"	"	"	"	
Nickel	13.1	0.843	"	"	"	"	"	
Selenium	ND	0.219	"	"	"	"	"	U
Silver	ND	0.0843	"	"	"	"	"	U
Zinc	52.5	31.2	"	"	"	"	"	

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Project Number: [none]  
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## Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

### Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0543 - EPA 5030 (soil)										
Blank (B4K0543-BLK1)					Prepared: 11/05/2024 Analyzed: 11/05/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		120	70-130			

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

### Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0543 - EPA 5030 (soil)

#### LCS (B4K0543-BS1)

Prepared: 11/05/2024 Analyzed: 11/05/2024

1,2,4-Trimethylbenzene	0.0959	0.00200	mg/kg	0.100		95.9	70-130			
1,3,5-Trimethylbenzene	0.0953	0.00200	"	0.100		95.3	70-130			
Benzene	0.0918	0.00200	"	0.100		91.8	70-130			
Ethylbenzene	0.0934	0.00200	"	0.100		93.4	70-130			
Naphthalene	0.0933	0.00380	"	0.100		93.3	70-130			
Toluene	0.0890	0.00200	"	0.100		89.0	70-130			
o-Xylene	0.0945	0.00200	"	0.100		94.5	70-130			
m,p-Xylene	0.194	0.00400	"	0.200		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.6	70-130			

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

### Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0543 - EPA 5030 (soil)

Matrix Spike (B4K0543-MS1)		Source: E4K0091-11			Prepared: 11/05/2024 Analyzed: 11/05/2024					
1,2,4-Trimethylbenzene	0.0872	0.00200	mg/kg	0.100	ND	87.2	70-130			
1,3,5-Trimethylbenzene	0.0837	0.00200	"	0.100	ND	83.7	70-130			
Benzene	0.0874	0.00200	"	0.100	ND	87.4	70-130			
Ethylbenzene	0.0790	0.00200	"	0.100	ND	79.0	70-130			
Naphthalene	0.103	0.00380	"	0.100	ND	103	70-130			
Toluene	0.0870	0.00200	"	0.100	ND	87.0	70-130			
o-Xylene	0.0847	0.00200	"	0.100	ND	84.7	70-130			
m,p-Xylene	0.164	0.00400	"	0.200	ND	82.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.1	70-130			

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

### Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0543 - EPA 5030 (soil)										
Matrix Spike Dup (B4K0543-MSD1)			Source: E4K0091-11		Prepared: 11/05/2024 Analyzed: 11/05/2024					
1,2,4-Trimethylbenzene	0.0864	0.00200	mg/kg	0.100	ND	86.4	70-130	0.945	20	
1,3,5-Trimethylbenzene	0.0846	0.00200	"	0.100	ND	84.6	70-130	1.14	20	
Benzene	0.0851	0.00200	"	0.100	ND	85.1	70-130	2.64	20	
Ethylbenzene	0.0834	0.00200	"	0.100	ND	83.4	70-130	5.34	20	
Naphthalene	0.0962	0.00380	"	0.100	ND	96.2	70-130	6.81	20	
Toluene	0.0799	0.00200	"	0.100	ND	79.9	70-130	8.56	20	
o-Xylene	0.0862	0.00200	"	0.100	ND	86.2	70-130	1.66	20	
m,p-Xylene	0.173	0.00400	"	0.200	ND	86.3	70-130	5.10	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.2	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager

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Absaroka  
112 High St.  
Buffalo

WY 82834

Max Dahlgren  
Project Number: [none]  
Project: KMG - Labrisa 11-35HZ

**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 B4K0544 - EPA 3550B										
Blank (B4K0544-BLK1)					Prepared: 11/05/2024 Analyzed: 11/05/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.4	50-150			

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**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4K0544 - EPA 3550B**

**LCS (B4K0544-BS1)**

Prepared: 11/05/2024 Analyzed: 11/05/2024

Diesel (C10-C28)	923	50.0	mg/kg	1000		92.3	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000		107	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.0	50-150			

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Project: KMG - Labrisa 11-35HZ

## 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 B4K0544 - EPA 3550B

Matrix Spike (B4K0544-MS1)		Source: E4K0091-11			Prepared: 11/05/2024 Analyzed: 11/05/2024					
Diesel (C10-C28)	990	50.0	mg/kg	1000	ND	99.0	70-130			
Residual Range Organics (C28-C40)	1220	200	"	1000	115	111	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.8	50-150			

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## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0544 - EPA 3550B

Matrix Spike Dup (B4K0544-MSD1)		Source: E4K0091-11			Prepared: 11/05/2024 Analyzed: 11/05/2024					
Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130	2.12	35	
Residual Range Organics (C28-C40)	1240	200	"	1000	115	112	70-130	1.14	35	
Surrogate: o-Terphenyl	46		"	49.8		92.9	50-150			

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## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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## 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 B4K0547 - EPA 3050B

#### Blank (B4K0547-BLK1)

Prepared: 11/05/2024 Analyzed: 11/06/2024

Arsenic	ND	0.290	mg/kg							U
Barium	ND	10.0	"							U
Cadmium	ND	0.100	"							U
Copper	ND	10.0	"							U
Lead	ND	1.00	"							U
Nickel	ND	1.00	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.100	"							U
Zinc	ND	37.0	"							U

#### LCS (B4K0547-BS1)

Prepared: 11/05/2024 Analyzed: 11/06/2024

Arsenic	5.35	0.290	mg/kg	5.00		107	80-120
Barium	527	10.0	"	500		105	80-120
Cadmium	5.10	0.100	"	5.00		102	80-120
Copper	50.7	10.0	"	50.0		101	80-120
Lead	5.22	1.00	"	5.00		104	80-120
Nickel	5.66	1.00	"	5.00		113	80-120
Selenium	5.46	0.260	"	5.00		109	80-120
Silver	5.63	0.100	"	5.00		113	80-120
Zinc	52.4	37.0	"	50.0		105	80-120

#### Matrix Spike (B4K0547-MS1)

Source: E4K0094-06

Prepared: 11/05/2024 Analyzed: 11/06/2024

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Project: KMG - Labrisa 11-35HZ

## 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 B4K0547 - EPA 3050B

Matrix Spike (B4K0547-MS1)		Source: E4K0094-06			Prepared: 11/05/2024 Analyzed: 11/06/2024					
Arsenic	5.98	0.271	mg/kg	4.66	1.23	102	75-125			
Barium	522	9.33	"	466	28.7	106	75-125			
Cadmium	4.96	0.0933	"	4.66	0.115	104	75-125			
Copper	49.1	9.33	"	46.6	2.73	99.4	75-125			
Lead	10.5	0.933	"	4.66	5.78	101	75-125			
Nickel	7.78	0.933	"	4.66	2.54	112	75-125			
Selenium	4.98	0.243	"	4.66	0.0541	106	75-125			
Silver	5.26	0.0933	"	4.66	0.0108	113	75-125			
Zinc	63.1	34.5	"	46.6	16.4	100	75-125			
Matrix Spike Dup (B4K0547-MSD1)		Source: E4K0094-06			Prepared: 11/05/2024 Analyzed: 11/06/2024					
Arsenic	5.90	0.263	mg/kg	4.53	1.23	103	75-125	1.28	20	
Barium	483	9.06	"	453	28.7	100	75-125	7.76	20	
Cadmium	4.55	0.0906	"	4.53	0.115	97.9	75-125	8.61	20	
Copper	47.5	9.06	"	45.3	2.73	98.8	75-125	3.32	20	
Lead	9.79	0.906	"	4.53	5.78	88.4	75-125	6.74	20	
Nickel	7.23	0.906	"	4.53	2.54	104	75-125	7.30	20	
Selenium	4.76	0.236	"	4.53	0.0541	104	75-125	4.42	20	
Silver	4.91	0.0906	"	4.53	0.0108	108	75-125	7.01	20	
Zinc	61.0	33.5	"	45.3	16.4	98.3	75-125	3.34	20	

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Max Dahlgren

Project Number: [none]

Project: KMG - Labrisa 11-35HZ

## Notes and Definitions

U Sample is Non-Detect.

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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