



**Quandary Consultants**

**Mike Dinkel**

**2252 Emerson St.**

**Denver**

**CO**

**80205**

**November 08, 2024**

**Project Name - KMG - Kiteley 5-27**

**Project Number - [none]**

Attached are your analytical results for KMG - Kiteley 5-27 received by Origins Laboratory November 07, 2024. This project is associated with Origins project number E4K0203-01.

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

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5-27-WH-B01@6	E4K0203-01	Soil	November 7, 2024 12:57	11/07/2024 16:52
5-27-FL-B01@4	E4K0203-02	Soil	November 7, 2024 13:06	11/07/2024 16:52
5-27-WH-BG01@3	E4K0203-03	Soil	November 7, 2024 13:07	11/07/2024 16:52
5-27-WH-BG01@6	E4K0203-04	Soil	November 7, 2024 13:08	11/07/2024 16:52
5-27-WH-BG02@3	E4K0203-05	Soil	November 7, 2024 13:09	11/07/2024 16:52
5-27-WH-BG02@6	E4K0203-06	Soil	November 7, 2024 13:10	11/07/2024 16:52
5-27-WH-BG03@3	E4K0203-07	Soil	November 7, 2024 13:11	11/07/2024 16:52
5-27-WH-BG03@6	E4K0203-08	Soil	November 7, 2024 13:12	11/07/2024 16:52
5-27-WH-BG04@3	E4K0203-09	Soil	November 7, 2024 13:13	11/07/2024 16:52
5-27-WH-BG04@6	E4K0203-10	Soil	November 7, 2024 13:14	11/07/2024 16:52
5-27-GW-01	E4K0203-11	Water	November 7, 2024 15:25	11/07/2024 16:52

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*



Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

Client: Lea-McGee Oil & Gas Division, LP  
 Address: 501 N. Division St.  
PATTEVILLE, CO, 80651  
 Project Manager: Mike Dinkel  
 Project Name: Kiteley 5-27  
 Project Number: [none]  
 Key: W=Water  
GW=Groundwater  
SW=Surface Water  
WW=Waste Water  
 L=Liquid

Telephone Number: (303) 691-7788  
 Email Address: MDUWEL@QUANDARYCONSULTANTS.COM  
 Invoice/Billing Info: Enk, Mckitson  
 Collected By: RA  
 S=soil | SO=solid | O=oil | A=Air | G=gases | UNP=Unpres | HCl= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis				Comments	
1	5-27-94-01	11/9/24	15:25	4	NA						
2											
3											
4											
5											
6											
7											
8											
9											
10											

Relinquished By: RA Date: 11/9/24 Time: 16:52  
 Received By: SHD Date: 11/9/24 Time: 16:52  
 Turnaround Time:  SAME DAY  24 Hr  48 Hr  72 Hr  
 Standard   
 Temp Received: 4.1 Received On Ice?  Yes  No

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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.

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: E4K0203

Client: Quandary

Client Project ID: Kiteley

Checklist Completed by: JAD AN

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

Date/time completed: 11/7/12

Airbill #: N/A

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

Cooler Number/Temperature: 141 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)

Thermometer ID: T007

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 HNO3, HCl, H2SO4) / (pH >10 for samples preserved with NaAsO2+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) [Signature] Date/Time Reviewed 11/7/12

Origins Laboratory

*Jefe Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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.

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

5-27-WH-B01@6

11/7/2024 12:57:00PM

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

**Origins Laboratory**  
**E4K0203-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4K0756	11/07/2024	11/08/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	52.9 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4K0753	11/07/2024	11/08/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	<b>0.00490</b>		0.00200	"	"	"	"	"	
Xylenes, total	<b>0.00418</b>		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	102 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %		70-130			"	"	"	

**Table 915 metals by EPA 6020B**

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

5-27-WH-B01@6

11/7/2024 12:57:00PM

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

**Origins Laboratory**  
**E4K0203-01 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	6.13		0.252	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	161		8.71	"	"	"	"	"	
Cadmium	0.343		0.0871	"	"	"	"	"	
Copper	25.2		8.71	"	"	"	"	"	
Lead	16.1		0.871	"	"	"	"	"	
Nickel	14.4		0.871	"	"	"	"	"	
Selenium	0.521		0.226	"	"	"	"	"	
Silver	0.134		0.0871	"	"	"	"	"	
Zinc	68.7		32.2	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**5-27-FL-B01@4**

**11/7/2024 1:06:00PM**

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

**Origins Laboratory**  
**E4K0203-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4K0756	11/07/2024	11/08/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	55.6 %		50-150			"	"	"	
--------------------------------	--------	--	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4K0753	11/07/2024	11/08/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %		70-130			"	"	"	
Surrogate: Toluene-d8	102 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %		70-130			"	"	"	

**Table 915 metals by EPA 6020B**

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

5-27-FL-B01@4

11/7/2024 1:06:00PM

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

**Origins Laboratory**  
**E4K0203-02 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	5.59		0.270	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	354		9.32	"	"	"	"	"	
Cadmium	0.315		0.0932	"	"	"	"	"	
Copper	22.1		9.32	"	"	"	"	"	
Lead	23.1		0.932	"	"	"	"	"	
Nickel	12.2		0.932	"	"	"	"	"	
Selenium	0.384		0.242	"	"	"	"	"	
Silver	0.195		0.0932	"	"	"	"	"	
Zinc	74.0		34.5	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

5-27-WH-BG01@3  
 11/7/2024 1:07:00PM

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

**Origins Laboratory**  
**E4K0203-03 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	7.41		0.288	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	173		9.95	"	"	"	"	"	
Cadmium	0.267		0.0995	"	"	"	"	"	
Copper	15.4		9.95	"	"	"	"	"	
Lead	12.5		0.995	"	"	"	"	"	
Nickel	18.3		0.995	"	"	"	"	"	
Selenium	0.299		0.259	"	"	"	"	"	
Silver	ND		0.0995	"	"	"	"	"	U
Zinc	62.9		36.8	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
2252 Emerson St.  
Denver CO 80205

Mike Dinkel  
Project Number: [none]  
Project: KMG - Kiteley 5-27

**5-27-WH-BG01@6**  
**11/7/2024 1:08:00PM**

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

**Origins Laboratory**  
**E4K0203-04 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	6.41		0.251	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	116		8.66	"	"	"	"	"	
Cadmium	0.223		0.0866	"	"	"	"	"	
Copper	14.2		8.66	"	"	"	"	"	
Lead	11.6		0.866	"	"	"	"	"	
Nickel	16.4		0.866	"	"	"	"	"	
Selenium	0.270		0.225	"	"	"	"	"	
Silver	ND		0.0866	"	"	"	"	"	U
Zinc	57.5		32.0	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**5-27-WH-BG02@3**  
**11/7/2024 1:09:00PM**

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

**Origins Laboratory**  
**E4K0203-05 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	10.4		0.251	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	140		8.64	"	"	"	"	"	
Cadmium	0.209		0.0864	"	"	"	"	"	
Copper	17.8		8.64	"	"	"	"	"	
Lead	14.0		0.864	"	"	"	"	"	
Nickel	22.4		0.864	"	"	"	"	"	
Selenium	0.400		0.225	"	"	"	"	"	
Silver	ND		0.0864	"	"	"	"	"	U
Zinc	77.4		32.0	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**5-27-WH-BG02@6**  
**11/7/2024 1:10:00PM**

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

**Origins Laboratory**  
**E4K0203-06 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	8.20		0.265	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	176		9.15	"	"	"	"	"	
Cadmium	0.156		0.0915	"	"	"	"	"	
Copper	12.6		9.15	"	"	"	"	"	
Lead	11.2		0.915	"	"	"	"	"	
Nickel	14.5		0.915	"	"	"	"	"	
Selenium	0.373		0.238	"	"	"	"	"	
Silver	ND		0.0915	"	"	"	"	"	U
Zinc	53.7		33.9	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**5-27-WH-BG03@3**  
**11/7/2024 1:11:00PM**

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

**Origins Laboratory**  
**E4K0203-07 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	6.89		0.257	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	142		8.86	"	"	"	"	"	
Cadmium	0.283		0.0886	"	"	"	"	"	
Copper	14.6		8.86	"	"	"	"	"	
Lead	12.6		0.886	"	"	"	"	"	
Nickel	16.1		0.886	"	"	"	"	"	
Selenium	0.606		0.230	"	"	"	"	"	
Silver	ND		0.0886	"	"	"	"	"	U
Zinc	57.1		32.8	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**5-27-WH-BG03@6**  
**11/7/2024 1:12:00PM**

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

**Origins Laboratory**  
**E4K0203-08 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	5.49		0.245	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	152		8.46	"	"	"	"	"	
Cadmium	0.221		0.0846	"	"	"	"	"	
Copper	13.2		8.46	"	"	"	"	"	
Lead	10.6		0.846	"	"	"	"	"	
Nickel	15.7		0.846	"	"	"	"	"	
Selenium	0.746		0.220	"	"	"	"	"	
Silver	ND		0.0846	"	"	"	"	"	U
Zinc	53.5		31.3	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
2252 Emerson St.  
Denver CO 80205

Mike Dinkel  
Project Number: [none]  
Project: KMG - Kiteley 5-27

**5-27-WH-BG04@3**  
**11/7/2024 1:13:00PM**

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

**Origins Laboratory**  
**E4K0203-09 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	7.02		0.281	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	168		9.70	"	"	"	"	"	
Cadmium	0.257		0.0970	"	"	"	"	"	
Copper	13.2		9.70	"	"	"	"	"	
Lead	11.5		0.970	"	"	"	"	"	
Nickel	15.2		0.970	"	"	"	"	"	
Selenium	0.713		0.252	"	"	"	"	"	
Silver	ND		0.0970	"	"	"	"	"	U
Zinc	57.0		35.9	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**5-27-WH-BG04@6**  
**11/7/2024 1:14:00PM**

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

**Origins Laboratory**  
**E4K0203-10 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	5.89		0.277	mg/kg	10	B4K0763	11/07/2024	11/08/2024	
Barium	236		9.57	"	"	"	"	"	
Cadmium	0.234		0.0957	"	"	"	"	"	
Copper	14.8		9.57	"	"	"	"	"	
Lead	11.6		0.957	"	"	"	"	"	
Nickel	16.6		0.957	"	"	"	"	"	
Selenium	0.342		0.249	"	"	"	"	"	
Silver	ND		0.0957	"	"	"	"	"	U
Zinc	60.2		35.4	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

5-27-GW-01

11/7/2024 3:25:00PM

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

**Origins Laboratory**  
**E4K0203-11 (Water)**

**BTEX+N+TMBs by 8260D**

1,2,4-Trimethylbenzene	81.0		2.00	ug/L	1	B4K0639	11/07/2024	11/07/2024	
1,3,5-Trimethylbenzene	28.8		2.00	"	"	"	"	"	
Benzene	82.4		1.00	"	"	"	"	"	
Ethylbenzene	57.3		1.00	"	"	"	"	"	
Naphthalene	3.79		2.00	"	"	"	"	"	
Toluene	362		1.00	"	"	"	"	"	
Xylenes, total	460		1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.7 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.6 %		70-130			"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
2252 Emerson St.  
Denver CO 80205

Mike Dinkel  
Project Number: [none]  
Project: KMG - Kiteley 5-27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4K0639 - EPA 5030B (Water)</b>										
<b>Blank (B4K0639-BLK1)</b>										
					Prepared: 11/06/2024 Analyzed: 11/07/2024					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		70-130			
Surrogate: Toluene-d8	58		"	62.5	92.7		70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	98.3		70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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 B4K0639 - EPA 5030B (Water)**

**LCS (B4K0639-BS1)**

Prepared: 11/06/2024 Analyzed: 11/07/2024

1,2,4-Trimethylbenzene	46.8	2.00	ug/L	50.0		93.5	70-130			
1,3,5-Trimethylbenzene	46.9	2.00	"	50.0		93.7	70-130			
Benzene	50.7	1.00	"	50.0		101	70-130			
Ethylbenzene	46.3	1.00	"	50.0		92.6	70-130			
m,p-Xylene	89.6	2.00	"	100		89.6	70-130			
Naphthalene	56.4	2.00	"	50.0		113	70-130			
o-Xylene	44.8	1.00	"	50.0		89.5	70-130			
Toluene	46.7	1.00	"	50.0		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	69		"	62.5		110	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.2	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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 B4K0639 - EPA 5030B (Water)**

<b>Matrix Spike (B4K0639-MS1)</b>	<b>Source: E4K0116-01</b>			<b>Prepared: 11/06/2024 Analyzed: 11/07/2024</b>						
1,2,4-Trimethylbenzene	45.6	2.00	ug/L	50.0	0.430	90.4	70-130			
1,3,5-Trimethylbenzene	45.0	2.00	"	50.0	ND	90.0	70-130			
Benzene	43.4	1.00	"	50.0	ND	86.9	70-130			
Ethylbenzene	43.8	1.00	"	50.0	ND	87.7	70-130			
m,p-Xylene	84.3	2.00	"	100	0.210	84.1	70-130			
Naphthalene	50.9	2.00	"	50.0	0.260	101	70-130			
o-Xylene	42.2	1.00	"	50.0	ND	84.3	70-130			
Toluene	42.3	1.00	"	50.0	ND	84.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	70-130			
Surrogate: Toluene-d8	57		"	62.5		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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 B4K0639 - EPA 5030B (Water)**

Matrix Spike Dup (B4K0639-MSD1)	Source: E4K0116-01			Prepared: 11/06/2024 Analyzed: 11/07/2024						
1,2,4-Trimethylbenzene	47.3	2.00	ug/L	50.0	0.430	93.7	70-130	3.55	20	
1,3,5-Trimethylbenzene	47.7	2.00	"	50.0	ND	95.4	70-130	5.78	20	
Benzene	46.5	1.00	"	50.0	ND	93.0	70-130	6.80	20	
Ethylbenzene	46.6	1.00	"	50.0	ND	93.1	70-130	6.04	20	
m,p-Xylene	89.7	2.00	"	100	0.210	89.5	70-130	6.28	20	
Naphthalene	56.8	2.00	"	50.0	0.260	113	70-130	11.0	20	
o-Xylene	43.9	1.00	"	50.0	ND	87.7	70-130	3.98	20	
Toluene	43.9	1.00	"	50.0	ND	87.9	70-130	3.71	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.0	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	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.*

Jen Pellegrini For Jordan A. Bynon, Project Manager

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4K0753 - EPA 5030 (soil)</b>										
<b>Blank (B4K0753-BLK1)</b>					Prepared: 11/07/2024 Analyzed: 11/07/2024					
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		99.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		115	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
2252 Emerson St.  
Denver CO 80205

Mike Dinkel  
Project Number: [none]  
Project: KMG - Kiteley 5-27

**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 B4K0753 - EPA 5030 (soil)**

**LCS (B4K0753-BS1)**

Prepared: 11/07/2024 Analyzed: 11/07/2024

1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100		110	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100		115	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Naphthalene	0.105	0.00380	"	0.100		105	70-130			
Toluene	0.110	0.00200	"	0.100		110	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.203	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.8	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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 B4K0753 - EPA 5030 (soil)**

Matrix Spike (B4K0753-MS1)	Source: E4K0183-01			Prepared: 11/07/2024 Analyzed: 11/07/2024						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130			
Benzene	0.0910	0.00200	"	0.100	ND	91.0	70-130			
Ethylbenzene	0.0948	0.00200	"	0.100	ND	94.8	70-130			
Naphthalene	0.0975	0.00380	"	0.100	ND	97.5	70-130			
Toluene	0.0954	0.00200	"	0.100	ND	95.4	70-130			
o-Xylene	0.0958	0.00200	"	0.100	ND	95.8	70-130			
m,p-Xylene	0.189	0.00400	"	0.200	ND	94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.8	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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 B4K0753 - EPA 5030 (soil)**

<b>Matrix Spike Dup (B4K0753-MSD1)</b>	<b>Source: E4K0183-01</b>			<b>Prepared: 11/07/2024 Analyzed: 11/07/2024</b>						
1,2,4-Trimethylbenzene	0.0931	0.00200	mg/kg	0.100	ND	93.1	70-130	10.4	20	
1,3,5-Trimethylbenzene	0.0943	0.00200	"	0.100	ND	94.3	70-130	12.1	20	
Benzene	0.0845	0.00200	"	0.100	ND	84.5	70-130	7.38	20	
Ethylbenzene	0.0856	0.00200	"	0.100	ND	85.6	70-130	10.2	20	
Naphthalene	0.0919	0.00380	"	0.100	ND	91.9	70-130	5.93	20	
Toluene	0.0848	0.00200	"	0.100	ND	84.8	70-130	11.8	20	
o-Xylene	0.0864	0.00200	"	0.100	ND	86.4	70-130	10.3	20	
m,p-Xylene	0.170	0.00400	"	0.200	ND	85.1	70-130	10.4	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.8	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4K0756 - EPA 3550B</b>										
<b>Blank (B4K0756-BLK1)</b>										
					Prepared: 11/07/2024 Analyzed: 11/07/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	15		"	24.9		60.7	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B4K0756 - EPA 3550B**

**LCS (B4K0756-BS1)**

Prepared: 11/07/2024 Analyzed: 11/07/2024

Diesel (C10-C28)	971	50.0	mg/kg	1000		97.1	70-130			
Residual Range Organics (C28-C40)	898	200	"	1000		89.8	70-130			
Surrogate: o-Terphenyl	41		"	49.8		83.2	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B4K0756 - EPA 3550B**

<b>Matrix Spike (B4K0756-MS1)</b>	<b>Source: E4K0196-01</b>			Prepared: 11/07/2024 Analyzed: 11/07/2024						
Diesel (C10-C28)	940	50.0	mg/kg	1000	ND	94.0	70-130			
Residual Range Organics (C28-C40)	886	200	"	1000	ND	88.6	70-130			
Surrogate: o-Terphenyl	38		"	49.8		76.0	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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
<b>Batch B4K0756 - EPA 3550B</b>										
<b>Matrix Spike Dup (B4K0756-MSD1)</b>		<b>Source: E4K0196-01</b>			Prepared: 11/07/2024 Analyzed: 11/07/2024					
Diesel (C10-C28)	974	50.0	mg/kg	1000	ND	97.4	70-130	3.56	35	
Residual Range Organics (C28-C40)	908	200	"	1000	ND	90.8	70-130	2.37	35	
Surrogate: o-Terphenyl	39		"	49.8		78.2	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B4K0763 - EPA 3050B**

**Blank (B4K0763-BLK1)**

Prepared: 11/07/2024 Analyzed: 11/08/2024

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 (B4K0763-BS1)**

Prepared: 11/07/2024 Analyzed: 11/08/2024

Arsenic	5.32	0.290	mg/kg	5.00		106	80-120
Barium	502	10.0	"	500		100	80-120
Cadmium	5.32	0.100	"	5.00		106	80-120
Copper	52.9	10.0	"	50.0		106	80-120
Lead	4.85	1.00	"	5.00		96.9	80-120
Nickel	5.50	1.00	"	5.00		110	80-120
Selenium	5.18	0.260	"	5.00		104	80-120
Silver	5.55	0.100	"	5.00		111	80-120
Zinc	52.6	37.0	"	50.0		105	80-120

**Matrix Spike (B4K0763-MS1)**

**Source: E4K0203-04**

Prepared: 11/07/2024 Analyzed: 11/08/2024

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
 2252 Emerson St.  
 Denver CO 80205

Mike Dinkel  
 Project Number: [none]  
 Project: KMG - Kiteley 5-27

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B4K0763 - EPA 3050B**

<b>Matrix Spike (B4K0763-MS1)</b>	<b>Source: E4K0203-04</b>			<b>Prepared: 11/07/2024 Analyzed: 11/08/2024</b>						
Arsenic	11.7	0.256	mg/kg	4.41	6.41	120	75-125			
Barium	584	8.83	"	441	116	106	75-125			
Cadmium	5.04	0.0883	"	4.41	0.223	109	75-125			
Copper	62.6	8.83	"	44.1	14.2	110	75-125			
Lead	16.1	0.883	"	4.41	11.6	101	75-125			
Nickel	22.1	0.883	"	4.41	16.4	129	75-125			QM-07
Selenium	5.00	0.230	"	4.41	0.270	107	75-125			
Silver	4.95	0.0883	"	4.41	0.0572	111	75-125			
Zinc	106	32.7	"	44.1	57.5	110	75-125			

<b>Matrix Spike Dup (B4K0763-MSD1)</b>	<b>Source: E4K0203-04</b>			<b>Prepared: 11/07/2024 Analyzed: 11/08/2024</b>						
Arsenic	12.0	0.281	mg/kg	4.85	6.41	115	75-125	2.41	20	
Barium	689	9.70	"	485	116	118	75-125	16.6	20	
Cadmium	5.42	0.0970	"	4.85	0.223	107	75-125	7.13	20	
Copper	66.9	9.70	"	48.5	14.2	109	75-125	6.68	20	
Lead	16.8	0.970	"	4.85	11.6	107	75-125	4.46	20	
Nickel	23.7	0.970	"	4.85	16.4	151	75-125	7.16	20	QM-07
Selenium	5.51	0.252	"	4.85	0.270	108	75-125	9.73	20	
Silver	5.43	0.0970	"	4.85	0.0572	111	75-125	9.29	20	
Zinc	112	35.9	"	48.5	57.5	113	75-125	5.55	20	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*

Quandary Consultants  
2252 Emerson St.  
Denver CO 80205

Mike Dinkel  
Project Number: [none]  
Project: KMG - Kiteley 5-27

---

### Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

*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.*