



October 25, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Berry 1

Project Number - -

Attached are your analytical results for KMG - Berry 1 received by Origins Laboratory, Inc. October 17, 2022. This project is associated with Origins project number Y210345-01.

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, Inc.  
303.433.1322  
o-squad@oelabinc.com



Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y210345-01	Soil	October 17, 2022 11:06	10/17/2022 14:23
FL-B01@4'	Y210345-02	Soil	October 17, 2022 11:03	10/17/2022 14:23
WH-N01@5'	Y210345-03	Soil	October 17, 2022 11:06	10/17/2022 14:23
WH-S01@5'	Y210345-04	Soil	October 17, 2022 11:09	10/17/2022 14:23
WH-E01@5'	Y210345-05	Soil	October 17, 2022 11:12	10/17/2022 14:23
WH-W01@5'	Y210345-06	Soil	October 17, 2022 11:15	10/17/2022 14:23
WH-BG01@3'	Y210345-07	Soil	October 17, 2022 10:15	10/17/2022 14:23
WH-BG01@6'	Y210345-08	Soil	October 17, 2022 10:17	10/17/2022 14:23
WH-BG02@3'	Y210345-09	Soil	October 17, 2022 10:45	10/17/2022 14:23
WH-BG02@6'	Y210345-10	Soil	October 17, 2022 10:47	10/17/2022 14:23
WH-BG03@3'	Y210345-11	Soil	October 17, 2022 10:50	10/17/2022 14:23
WH-BG03@6'	Y210345-12	Soil	October 17, 2022 10:53	10/17/2022 14:23

Origins Laboratory, Inc.



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.*





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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4210395

Client: Eagle

Client Project ID: Berry 1

Checklist Completed by: EHS

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

Date/time completed: 10/17/12

Airbill #: NA

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

Cooler Number/Temperature: 1 / 7.1 °C \_\_\_\_\_ °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe)

Thermometer ID: T004

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> ?		X		same day
Is there ice present (document if blue ice is used)?	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
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)			X	
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.

[Signature]  
 Reviewed by (Project Manager)

10/17/12  
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-B01@6'**

**10/17/2022 11:06:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	<b>0.429</b>		0.100	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	<b>516</b>		25.0	mg/kg	1	B2J1729	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	<b>243</b>		100	"	"	"	"	"	

Surrogate: o-Terphenyl	95.4 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J1731	10/17/2022	10/17/2022	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	<b>6.10</b>		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	89.6 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.6 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Project: KMG - Berry 1

WH-B01@6'  
 10/17/2022 11:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	96.2 %		70-130			B2J17 31	10/17/2022	10/17/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	27.4		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	5.25		0.823	"	"	"	"	"	
Sodium	2.01		0.435	"	"	"	"	"	

**PAH By 8270D SIM**

1-Methylnaphthalene	0.0124	0.00182	0.00335	mg/Kg	5	L643932	10/19/2022	10/19/2022	
2-Methylnaphthalene	0.00931	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.0154	0.00152	0.00335	"	"	"	"	"	
Anthracene	ND	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.00721	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0336	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.00307	0.00197	0.00335	"	"	"	"	"	J
Fluorene	0.128	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	

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**WH-B01@6'**  
**10/17/2022 11:06:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y210345-01 (Soil)**

**PAH By 8270D SIM**

Naphthalene	0.0102	0.00242	0.00335	mg/Kg	5	L643932	10/19/2022	10/19/2022	
Pyrene	0.0184	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	65.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	72.5 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	65 %		29-110			"	"	"	

**pH in Soil by 9045D**

pH	8.93			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.497			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.78		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	10.3		0.0965	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	128		9.65	"	"	"	"	"	
Cadmium	0.154		0.0965	"	"	"	"	"	

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Project: KMG - Berry 1

WH-B01@6'

10/17/2022 11:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
Y210345-01 (Soil)

**Table 915 metals by EPA 6020B**

Copper	12.2		9.65	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Lead	27.3		9.65	"	"	"	"	"	
Nickel	17.7		9.65	"	"	"	"	"	
Selenium	0.255		0.0965	"	"	"	"	"	
Silver	ND		0.0965	"	"	"	"	"	U
Zinc	ND		96.5	"	"	"	"	"	U

**Total Metals by 7196 A**

Chromium, Hexavalent	ND	0.247	0.508	mg/Kg	1	L644391	10/17/2022	10/20/2022	
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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Project: KMG - Berry 1

**FL-B01@4'**

**10/17/2022 11:03:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.281		0.101	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2J1729	10/17/2022	10/18/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.0 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J1731	10/17/2022	10/17/2022	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	0.483		0.200	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**FL-B01@4'**

**10/17/2022 11:03:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-02 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	86.9 %		70-130			B2J17 31	10/17/2022	10/17/2022	
Surrogate: Toluene-d8	98.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	86.8 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	10.2		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	3.86		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.17			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.160			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.37		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-N01@5'**  
**10/17/2022 11:06:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	<b>0.389</b>		0.0992	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	<b>143</b>		25.0	mg/kg	1	B2J1729	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	<b>335</b>		100	"	"	"	"	"	

Surrogate: o-Terphenyl	97.9 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J1731	10/17/2022	10/17/2022	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	<b>0.474</b>		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	91.9 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.0 %		70-130			"	"	"	

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**WH-N01@5'**  
**10/17/2022 11:06:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-03 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	87.5 %		70-130			B2J17 31	10/17/2022	10/17/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	25.8		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	20.8		0.823	"	"	"	"	"	
Sodium	1.12		0.435	"	"	"	"	"	

**PAH By 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L643932	10/19/2022	10/19/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	ND	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	<b>0.00488</b>	<b>0.00312</b>	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"	
Fluorene	<b>0.00547</b>	<b>0.00143</b>	0.00335	"	"	"	"	"	

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 Wheat Ridge CO 80033

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**WH-N01@5'**  
**10/17/2022 11:06:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y210345-03 (Soil)**

**PAH By 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	mg/Kg	5	L643932	10/19/2022	10/19/2022	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	ND	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	56.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	69 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	51.8 %		29-110			"	"	"	

**pH in Soil by 9045D**

pH	8.05			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.233			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.46		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	7.11		0.0982	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	53.4		9.82	"	"	"	"	"	

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**WH-N01@5'**  
**10/17/2022 11:06:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-03 (Soil)**

**Table 915 metals by EPA 6020B**

Cadmium	ND		0.0982	mg/kg	10	B2J1727	10/17/2022	10/18/2022	U
Copper	ND		9.82	"	"	"	"	"	U
Lead	<b>12.2</b>		9.82	"	"	"	"	"	
Nickel	<b>11.9</b>		9.82	"	"	"	"	"	
Selenium	<b>0.147</b>		0.0982	"	"	"	"	"	
Silver	ND		0.0982	"	"	"	"	"	U
Zinc	ND		98.2	"	"	"	"	"	U

**Total Metals by 7196 A**

Chromium, Hexavalent	ND	0.245	0.503	mg/Kg	1	L644391	10/17/2022	10/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-S01@5'**  
**10/17/2022 11:09:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.184		0.100	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	562		25.0	mg/kg	1	B2J1729	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	418		100	"	"	"	"	"	

Surrogate: o-Terphenyl	104 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J1731	10/17/2022	10/17/2022	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	3.08		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	91.1 %		70-130			"	"	"	
Surrogate: Toluene-d8	95.6 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-S01@5'**  
**10/17/2022 11:09:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-04 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	91.5 %		70-130			B2J17 31	10/17/2022	10/17/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	27.2		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	12.3		0.823	"	"	"	"	"	
Sodium	0.864		0.435	"	"	"	"	"	

**PAH By 8270D SIM**

1-Methylnaphthalene	0.00234	0.00182	0.00335	mg/Kg	5	L643932	10/19/2022	10/19/2022	J
2-Methylnaphthalene	0.00459	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.0161	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00367	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0193	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00712	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.00611	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.00374	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.05	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0333	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.13	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-S01@5'**  
**10/17/2022 11:09:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y210345-04 (Soil)**

**PAH By 8270D SIM**

Naphthalene	0.0145	0.00242	0.00335	mg/Kg	5	L643932	10/19/2022	10/19/2022	
Pyrene	0.0529	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	64.7 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	72 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	69.3 %		29-110			"	"	"	

**pH in Soil by 9045D**

pH	7.94			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.194			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.05		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	6.25		0.0946	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	76.6		9.46	"	"	"	"	"	
Cadmium	ND		0.0946	"	"	"	"	"	U

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-S01@5'**

**10/17/2022 11:09:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-04 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	10.3		9.46	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Lead	14.6		9.46	"	"	"	"	"	
Nickel	12.1		9.46	"	"	"	"	"	
Selenium	0.250		0.0946	"	"	"	"	"	
Silver	ND		0.0946	"	"	"	"	"	U
Zinc	ND		94.6	"	"	"	"	"	U

**Total Metals by 7196 A**

Chromium, Hexavalent	ND	0.248	0.51	mg/Kg	1	L644391	10/17/2022	10/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-E01@5'**  
**10/17/2022 11:12:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.188		0.100	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2J1729	10/17/2022	10/18/2022	U
Residual Range Organics (C28-C40)	106		100	"	"	"	"	"	

Surrogate: <i>o</i> -Terphenyl	96.5 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J1731	10/17/2022	10/17/2022	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	0.520		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	86.1 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.5 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-E01@5'**  
**10/17/2022 11:12:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-05 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	87.6 %		70-130			B2J17 31	10/17/2022	10/17/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	27.3		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	9.80		0.823	"	"	"	"	10/19/2022	
Sodium	0.563		0.435	"	"	"	"	"	

**PAH By 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L643932	10/19/2022	10/19/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00064	0.000468	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00119	0.000286	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-E01@5'**  
**10/17/2022 11:12:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y210345-05 (Soil)**

**PAH By 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L643932	10/19/2022	10/19/2022	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	57.7 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	73.1 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	59.8 %		29-110			"	"	"	

**pH in Soil by 9045D**

pH	7.84			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.131			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.88		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	5.69		0.0975	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	167		9.75	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-E01@5'**  
**10/17/2022 11:12:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-05 (Soil)**

**Table 915 metals by EPA 6020B**

Cadmium	0.133		0.0975	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Copper	ND		9.75	"	"	"	"	"	U
Lead	12.8		9.75	"	"	"	"	"	
Nickel	11.8		9.75	"	"	"	"	"	
Selenium	0.216		0.0975	"	"	"	"	"	
Silver	ND		0.0975	"	"	"	"	"	U
Zinc	ND		97.5	"	"	"	"	"	U

**Total Metals by 7196 A**

Chromium, Hexavalent	ND	0.246	0.506	mg/Kg	1	L644391	10/17/2022	10/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-W01@5'**  
**10/17/2022 11:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.375		0.0990	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	159		25.0	mg/kg	1	B2J1729	10/17/2022	10/18/2022	
Residual Range Organics (C28-C40)	517		100	"	"	"	"	"	

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

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J1731	10/17/2022	10/17/2022	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	90.4 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.4 %		70-130			"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-W01@5'**

**10/17/2022 11:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-06 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	89.4 %		70-130			B2J17 31	10/17/2022	10/17/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	26.1		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	20.0		0.823	"	"	"	"	10/19/2022	
Sodium	1.00		0.435	"	"	"	"	"	

**PAH By 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L643932	10/19/2022	10/19/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00235	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00102	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00521	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00101	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000463	0.000394	0.00067	"	"	"	"	"	J
Fluorene	0.00173	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-W01@5'**  
**10/17/2022 11:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y210345-06 (Soil)**

**PAH By 8270D SIM**

Naphthalene	ND	0.000484	0.00067	mg/Kg	1	L643932	10/19/2022	10/19/2022	
Pyrene	<b>0.00119</b>	<b>0.000643</b>	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	59.8 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	57.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	61.6 %		29-110			"	"	"	

**pH in Soil by 9045D**

pH	<b>7.99</b>			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	<b>0.208</b>			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	<b>3.26</b>		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	<b>5.99</b>		0.0992	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	<b>49.8</b>		9.92	"	"	"	"	"	
Cadmium	ND		0.0992	"	"	"	"	"	U

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-W01@5'**

**10/17/2022 11:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-06 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	ND		9.92	mg/kg	10	B2J1727	10/17/2022	10/18/2022	U
Lead	11.0		9.92	"	"	"	"	"	
Nickel	11.4		9.92	"	"	"	"	"	
Selenium	0.225		0.0992	"	"	"	"	"	
Silver	ND		0.0992	"	"	"	"	"	U
Zinc	ND		99.2	"	"	"	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.253	0.52	mg/Kg	1	L644128	10/17/2022	10/19/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG01@3'**  
**10/17/2022 10:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-07 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.675		0.100	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	23.7		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	24.1		0.823	"	"	"	"	10/19/2022	
Sodium	12.9		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.11			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	2.65			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	4.14		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	6.82		0.0983	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	57.6		9.83	"	"	"	"	"	
Cadmium	ND		0.0983	"	"	"	"	"	U
Copper	ND		9.83	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG01@3'**  
**10/17/2022 10:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-07 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	21.3		9.83	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Nickel	12.6		9.83	"	"	"	"	"	
Selenium	0.291		0.0983	"	"	"	"	"	
Silver	ND		0.0983	"	"	"	"	"	U
Zinc	ND		98.3	"	"	"	"	"	U

**Total Metals by 7196 A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L644391	10/17/2022	10/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG01@6'**  
**10/17/2022 10:17:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-08 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.710		0.0996	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	25.1		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	18.2		0.823	"	"	"	"	10/19/2022	
Sodium	6.82		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.16			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	1.47			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.45		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	7.46		0.0958	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	98.8		9.58	"	"	"	"	"	
Cadmium	0.126		0.0958	"	"	"	"	"	
Copper	9.98		9.58	"	"	"	"	"	

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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG01@6'**  
**10/17/2022 10:17:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-08 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	14.0		9.58	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Nickel	13.5		9.58	"	"	"	"	"	
Selenium	0.317		0.0958	"	"	"	"	"	
Silver	ND		0.0958	"	"	"	"	"	U
Zinc	ND		95.8	"	"	"	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.248	0.51	mg/Kg	1	L644392	10/17/2022	10/20/2022	
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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG02@3'**  
**10/17/2022 10:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-09 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND		0.0999	mg/L	1	B2J1814	10/18/2022	10/19/2022	U
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**Metals by Saturated Paste by EPA 6010**

Calcium	27.3		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	6.74		0.823	"	"	"	"	10/19/2022	
Sodium	0.904		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	7.98			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.219			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.30		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	4.50		0.0972	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	28.7		9.72	"	"	"	"	"	
Cadmium	ND		0.0972	"	"	"	"	"	U
Copper	ND		9.72	"	"	"	"	"	U

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG02@3'**  
**10/17/2022 10:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-09 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	ND		9.72	mg/kg	10	B2J1727	10/17/2022	10/18/2022	U
Nickel	ND		9.72	"	"	"	"	"	U
Selenium	<b>0.118</b>		0.0972	"	"	"	"	"	
Silver	ND		0.0972	"	"	"	"	"	U
Zinc	ND		97.2	"	"	"	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L644392	10/17/2022	10/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG02@6'**

**10/17/2022 10:47:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-10 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.773		0.100	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	23.3		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	18.4		0.823	"	"	"	"	10/19/2022	
Sodium	14.2		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.19			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	3.10			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.73		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	5.61		0.0952	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	154		9.52	"	"	"	"	"	
Cadmium	0.102		0.0952	"	"	"	"	"	
Copper	ND		9.52	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG02@6'**

**10/17/2022 10:47:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-10 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	ND		9.52	mg/kg	10	B2J1727	10/17/2022	10/18/2022	U
Nickel	<b>10.6</b>		9.52	"	"	"	"	"	
Selenium	<b>0.232</b>		0.0952	"	"	"	"	"	
Silver	ND		0.0952	"	"	"	"	"	U
Zinc	ND		95.2	"	"	"	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L644392	10/17/2022	10/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG03@3'**  
**10/17/2022 10:50:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-11 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.163		0.0998	mg/L	1	B2J1814	10/18/2022	10/19/2022	
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**Metals by Saturated Paste by EPA 6010**

Calcium	27.6		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	8.72		0.823	"	"	"	"	10/19/2022	
Sodium	ND		0.435	"	"	"	"	10/19/2022	

**pH in Soil by 9045D**

pH	8.02			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.0755			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.51		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	6.27		0.0960	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	57.5		9.60	"	"	"	"	"	
Cadmium	ND		0.0960	"	"	"	"	"	U
Copper	ND		9.60	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG03@3'**  
**10/17/2022 10:50:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-11 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	11.0		9.60	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Nickel	11.9		9.60	"	"	"	"	"	
Selenium	0.182		0.0960	"	"	"	"	"	
Silver	ND		0.0960	"	"	"	"	"	U
Zinc	ND		96.0	"	"	"	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L644392	10/17/2022	10/20/2022	
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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG03@6'**  
**10/17/2022 10:53:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-12 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND		0.0997	mg/L	1	B2J1816	10/18/2022	10/20/2022	U
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.59		0.499	meq/L	10	[CALC]	10/18/2022	10/19/2022	
Magnesium	2.19		0.823	"	"	"	"	10/19/2022	
Sodium	ND		0.435	"	"	"	"	10/19/2022	

**pH in Soil by 9045D**

pH	8.37			pH Units	1	B2J1823	10/19/2022	10/19/2022	
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**SAR by 20B Saturated Paste**

SAR	0.156			SAR	1	B2J1820	10/18/2022	10/19/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.502		0.00500	mmhos/cm	1	B2J1823	10/19/2022	10/19/2022	
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**Table 915 metals by EPA 6020B**

Arsenic	5.21		0.0964	mg/kg	10	B2J1727	10/17/2022	10/18/2022	
Barium	621		9.64	"	"	"	"	"	
Cadmium	ND		0.0964	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**WH-BG03@6'**  
**10/17/2022 10:53:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y210345-12 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	ND		9.64	mg/kg	10	B2J1727	10/17/2022	10/18/2022	U
Lead	ND		9.64	"	"	"	"	"	U
Nickel	ND		9.64	"	"	"	"	"	U
Selenium	<b>0.108</b>		0.0964	"	"	"	"	"	
Silver	ND		0.0964	"	"	"	"	"	U
Zinc	ND		96.4	"	"	"	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.249	0.512	mg/Kg	1	L644392	10/17/2022	10/20/2022	
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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2J1729 - EPA 3550B</b>										
<b>Blank (B2J1729-BLK1)</b>										
					Prepared: 10/17/2022 Analyzed: 10/17/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		105	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2J1729 - EPA 3550B**

**LCS (B2J1729-BS1)**

Prepared: 10/17/2022 Analyzed: 10/17/2022

Diesel (C10-C28)	1190	50.0	mg/kg	1000		119	70-130			
Residual Range Organics (C28-C40)	971	200	"	1000		97.1	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2J1729 - EPA 3550B**

<b>Matrix Spike (B2J1729-MS1)</b>	<b>Source: Y210341-21</b>			<b>Prepared: 10/17/2022 Analyzed: 10/17/2022</b>						
Diesel (C10-C28)	1180	50.0	mg/kg	1000	ND	118	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	50.4	97.3	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.0	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2J1729 - EPA 3550B**

<b>Matrix Spike Dup (B2J1729-MSD1)</b>	<b>Source: Y210341-21</b>		<b>Prepared: 10/17/2022 Analyzed: 10/17/2022</b>							
Diesel (C10-C28)	1160	50.0	mg/kg	1000	ND	116	70-130	1.52	35	
Residual Range Organics (C28-C40)	1000	200	"	1000	50.4	95.4	70-130	1.85	35	
<i>Surrogate: o-Terphenyl</i>	49		"	49.8		99.3	50-150			

Origins Laboratory, Inc.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2J1731 - EPA 5030 (soil)**

**Blank (B2J1731-BLK1)**

Prepared: 10/17/2022 Analyzed: 10/17/2022

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	0.10		"	0.125		83.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		87.6	70-130			

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 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2J1731 - EPA 5030 (soil)

**LCS (B2J1731-BS1)**

Prepared: 10/17/2022 Analyzed: 10/17/2022

1,2,4-Trimethylbenzene	0.0948	0.00200	mg/kg	0.100		94.8	70-130			
1,3,5-Trimethylbenzene	0.0959	0.00200	"	0.100		95.9	70-130			
Benzene	0.0975	0.00200	"	0.100		97.5	70-130			
Ethylbenzene	0.0992	0.00200	"	0.100		99.2	70-130			
Naphthalene	0.0850	0.00380	"	0.100		85.0	70-130			
Toluene	0.0896	0.00200	"	0.100		89.6	70-130			
o-Xylene	0.0833	0.00200	"	0.100		83.3	70-130			
m,p-Xylene	0.204	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		80.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.3	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2J1731 - EPA 5030 (soil)

LCS Dup (B2J1731-BSD1)

Prepared: 10/17/2022 Analyzed: 10/17/2022

1,2,4-Trimethylbenzene	0.0897	0.00200	mg/kg	0.100		89.7	70-130	5.51	20	
1,3,5-Trimethylbenzene	0.0897	0.00200	"	0.100		89.7	70-130	6.66	20	
Benzene	0.0991	0.00200	"	0.100		99.1	70-130	1.65	20	
Ethylbenzene	0.0953	0.00200	"	0.100		95.3	70-130	3.95	20	
Naphthalene	0.0833	0.00380	"	0.100		83.3	70-130	2.12	20	
Toluene	0.0910	0.00200	"	0.100		91.0	70-130	1.59	20	
o-Xylene	0.0908	0.00200	"	0.100		90.8	70-130	8.62	20	
m,p-Xylene	0.195	0.00400	"	0.200		97.7	70-130	4.39	20	
Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		79.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.1	70-130			

Origins Laboratory, Inc.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**\*\*\* DEFAULT GENERAL METHOD \*\*\* - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2J1727 - Default Prep Metals**

**Blank (B2J1727-BLK1)**

Prepared: 10/17/2022 Analyzed: 10/18/2022

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.0100	"							U
Nickel	ND	0.0100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.000100	"							U
Zinc	ND	0.100	"							U

**LCS (B2J1727-BS1)**

Prepared: 10/17/2022 Analyzed: 10/18/2022

Arsenic	0.0497	0.000100	mg/kg	0.0500		99.3	80-120			
Barium	5.20	0.0100	"	5.00		104	80-120			
Cadmium	0.0515	0.000100	"	0.0500		103	80-120			
Copper	0.511	0.0100	"	0.500		102	80-120			
Lead	0.0514	0.0100	"	0.0500		103	80-120			
Nickel	0.0555	0.0100	"	0.0500		111	80-120			
Selenium	0.0514	0.000100	"	0.0500		103	80-120			
Silver	0.0531	0.000100	"	0.0500		106	80-120			
Zinc	0.532	0.100	"	0.500		106	80-120			

**Matrix Spike (B2J1727-MS1)**

Source: Y210342-04

Prepared: 10/17/2022 Analyzed: 10/18/2022

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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**\*\*\* DEFAULT GENERAL METHOD \*\*\* - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2J1727 - Default Prep Metals**

<b>Matrix Spike (B2J1727-MS1)</b>		<b>Source: Y210342-04</b>			<b>Prepared: 10/17/2022 Analyzed: 10/18/2022</b>					
Arsenic	6.33	0.0970	mg/kg	4.85	1.66	96.5	75-125			
Barium	546	9.70	"	485	30.0	106	75-125			
Cadmium	5.15	0.0970	"	4.85	0.0612	105	75-125			
Copper	53.1	9.70	"	48.5	2.97	103	75-125			
Lead	8.37	9.70	"	4.85	4.33	83.3	75-125			U
Nickel	8.43	9.70	"	4.85	4.01	91.3	75-125			U
Selenium	5.20	0.0970	"	4.85	0.104	105	75-125			
Silver	5.29	0.0970	"	4.85	0.0148	109	75-125			
Zinc	62.6	97.0	"	48.5	15.2	97.8	75-125			U
<b>Matrix Spike Dup (B2J1727-MSD1)</b>		<b>Source: Y210342-04</b>			<b>Prepared: 10/17/2022 Analyzed: 10/18/2022</b>					
Arsenic	7.95	0.0949	mg/kg	4.74	1.66	133	75-125	22.6	20	QM-07, QR-DUP
Barium	561	9.49	"	474	30.0	112	75-125	2.70	20	
Cadmium	5.17	0.0949	"	4.74	0.0612	108	75-125	0.380	20	
Copper	52.6	9.49	"	47.4	2.97	105	75-125	0.879	20	
Lead	11.7	9.49	"	4.74	4.33	155	75-125	33.1	20	QM-07, QR-DUP
Nickel	10.2	9.49	"	4.74	4.01	131	75-125	19.3	20	QM-07
Selenium	4.80	0.0949	"	4.74	0.104	99.1	75-125	7.88	20	
Silver	5.16	0.0949	"	4.74	0.0148	108	75-125	2.50	20	
Zinc	69.2	94.9	"	47.4	15.2	114	75-125	9.95	20	U

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**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2J1814 - Default Prep Metals</b>										
<b>Blank (B2J1814-BLK1)</b>					Prepared: 10/18/2022 Analyzed: 10/19/2022					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B2J1814-DUP1)</b>		<b>Source: Y210340-01</b>			Prepared: 10/18/2022 Analyzed: 10/19/2022					
Boron	1.21	0.0994	mg/L		1.03			15.2	50	
<b>Batch B2J1816 - Default Prep Metals</b>										
<b>Blank (B2J1816-BLK1)</b>					Prepared: 10/18/2022 Analyzed: 10/20/2022					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B2J1816-DUP1)</b>		<b>Source: Y210345-12</b>			Prepared: 10/18/2022 Analyzed: 10/20/2022					
Boron	0.0812	0.0992	mg/L		0.0828			1.95	50	U
<b>Batch B2J1820 - Default Prep Metals</b>										
<b>Blank (B2J1820-BLK1)</b>					Prepared: 10/18/2022 Analyzed: 10/19/2022					
Calcium PPM	ND	10.0	mg/L							U
SAR	0.00		SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U
<b>Duplicate (B2J1820-DUP1)</b>		<b>Source: Y210342-05</b>			Prepared: 10/18/2022 Analyzed: 10/19/2022					
Calcium PPM	40.9	10.0	mg/L		38.0			7.31	50	
SAR	0.00		SAR		0.0555			200	200	U
Magnesium PPM	7.20	10.0	mg/L		6.73			6.82	50	U
Sodium PPM	1.64	10.0	"		1.41			14.8	50	U

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**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2J1823 - NO PREP</b>										
<b>Blank (B2J1823-BLK1)</b>					Prepared: 10/19/2022 Analyzed: 10/19/2022					
pH	0.00		pH Units							U
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
<b>Duplicate (B2J1823-DUP1)</b>					<b>Source: Y210342-05</b> Prepared: 10/19/2022 Analyzed: 10/19/2022					
pH	8.23		pH Units		8.30			0.847	25	
Specific Conductance (EC)	0.338	0.00500	mmhos/cm		0.322			5.03	25	

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**PAH By 8270D SIM - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L643932 - 3550B

MSD (L 98248-MSD-L643932)		Source: 98248			Prepared: 10/19/2022 Analyzed: 10/19/2022					
Pyrene	0.123	0.00067	mg/Kg	0.166	<0.000643	74	30-130	27.4	30	
Benzo(b)fluoranthene	0.0906	0.00067	"	0.166	<0.000585	54.5	30-130	15.7	30	
Benzo(k)fluoranthene	0.0801	0.00067	"	0.166	<0.000437	48.2	30-130	15.9	30	
Chrysene	0.0983	0.00067	"	0.166	<0.000624	59.2	30-130	13.3	30	
Dibenz(a,h)anthracene	0.109	0.00067	"	0.166	<0.000614	65.6	30-130	7.6	30	
Fluoranthene	0.123	0.00067	"	0.166	<0.000394	74	30-130	28.5	30	
Fluorene	0.0843	0.00067	"	0.166	<0.000286	50.7	30-130	7.7	30	
Naphthalene	0.089	0.00067	"	0.166	<0.000484	53.6	30-130	13.6	30	
Benzo(a)pyrene	0.105	0.00067	"	0.166	<0.000468	63.2	30-130	13.4	30	
Acenaphthene	0.0942	0.00067	"	0.166	<0.000304	56.7	30-130	11.4	30	
Indeno(1,2,3-cd)pyrene	0.0856	0.00067	"	0.166	<0.000627	51.5	30-130	5.7	30	
Anthracene	0.101	0.00067	"	0.166	<0.000334	60.8	30-130	14.2	30	
2-Methylnaphthalene	0.0935	0.00067	"	0.166	<0.000645	56.3	30-130	4.2	30	
1-Methylnaphthalene	0.0933	0.00067	"	0.166	<0.000364	56.2	30-130	2.9	30	
Benzo(a)anthracene	0.104	0.00067	"	0.166	<0.000493	62.6	30-130	13.9	30	
Surrogate: Nitrobenzene-d5	58.7		"	0.332	218	58.7	29-110			
Surrogate: 4-Terphenyl-d14	79.5		"	0.332	251	79.5	33-122			
Surrogate: 2-Fluorobiphenyl	59		"	0.332	214	59	33-115			

MS (L 98248-MS-L643932)		Source: 98248			Prepared: 10/19/2022 Analyzed: 10/19/2022					
Dibenz(a,h)anthracene	0.101	0.00067	mg/Kg	0.165	<0.000614	61.2	30-130			
Benzo(a)pyrene	0.0918	0.00067	"	0.165	<0.000468	55.6	30-130			
Benzo(b)fluoranthene	0.0774	0.00067	"	0.165	<0.000585	46.9	30-130			
Benzo(k)fluoranthene	0.0683	0.00067	"	0.165	<0.000437	41.3	30-130			
Chrysene	0.086	0.00067	"	0.165	<0.000624	52.1	30-130			
Pyrene	0.0933	0.00067	"	0.165	<0.000643	56.5	30-130			
Fluoranthene	0.0923	0.00067	"	0.165	<0.000394	55.9	30-130			

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 Project: KMG - Berry 1

**PAH By 8270D SIM - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L643932 - 3550B**

MS (L 98248-MS-L643932)	Source: 98248			Prepared: 10/19/2022 Analyzed: 10/19/2022						
Benzo(a)anthracene	0.0904	0.00067	mg/Kg	0.165	<0.000493	54.7	30-130			
Fluorene	0.0911	0.00067	"	0.165	<0.000286	55.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0808	0.00067	"	0.165	<0.000627	48.9	30-130			
Acenaphthene	0.084	0.00067	"	0.165	<0.000304	50.9	30-130			
2-Methylnaphthalene	0.0896	0.00067	"	0.165	<0.000645	54.3	30-130			
1-Methylnaphthalene	0.0906	0.00067	"	0.165	<0.000364	54.9	30-130			
Anthracene	0.0876	0.00067	"	0.165	<0.000334	53	30-130			
Naphthalene	0.0776	0.00067	"	0.165	<0.000484	47	30-130			
Surrogate: Nitrobenzene-d5	49.3		"	0.33	218	49.3	29-110			
Surrogate: 4-Terphenyl-d14	66.6		"	0.33	251	66.6	33-122			
Surrogate: 2-Fluorobiphenyl	56		"	0.33	214	56	33-115			

LCS (LCS-L643932)	Prepared: 10/19/2022 Analyzed: 10/19/2022									
Indeno(1,2,3-cd)pyrene	0.114	0.00067	mg/Kg	0.167		68.2	30-130			
Anthracene	0.113	0.00067	"	0.167		67.6	30-130			
Benzo(a)anthracene	0.113	0.00067	"	0.167		67.6	30-130			
Benzo(a)pyrene	0.12	0.00067	"	0.167		71.8	30-130			
Benzo(b)fluoranthene	0.0948	0.00067	"	0.167		56.7	30-130			
Chrysene	0.11	0.00067	"	0.167		65.8	30-130			
Acenaphthene	0.1	0.00067	"	0.167		59.8	30-130			
Fluorene	0.103	0.00067	"	0.167		61.6	30-130			
Benzo(k)fluoranthene	0.0849	0.00067	"	0.167		50.8	30-130			
Naphthalene	0.0974	0.00067	"	0.167		58.3	30-130			
Pyrene	0.129	0.00067	"	0.167		77.2	30-130			
Fluoranthene	0.137	0.00067	"	0.167		82	30-130			
2-Methylnaphthalene	0.0889	0.00067	"	0.167		53.2	30-130			
1-Methylnaphthalene	0.0914	0.00067	"	0.167		54.7	30-130			

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**PAH By 8270D SIM - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L643932 - 3550B**

**LCS (LCS-L643932)**

Prepared: 10/19/2022 Analyzed: 10/19/2022

Dibenz(a,h)anthracene	0.139	0.00067	mg/Kg	0.167		83.2	30-130			
Surrogate: Nitrobenzene-d5	70.5		"	0.333		70.5	29-110			
Surrogate: 2-Fluorobiphenyl	66.6		"	0.333		66.6	33-115			
Surrogate: 4-Terphenyl-d14	88.8		"	0.333		88.8	33-122			

**LRB (LRB-L643932)**

Prepared: 10/19/2022 Analyzed: 10/19/2022

Fluoranthene	ND	0.00067	mg/Kg				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	68.4		"	0.333		68.4	29-110			
Surrogate: 4-Terphenyl-d14	82.5		"	0.333		82.5	33-122			
Surrogate: 2-Fluorobiphenyl	70.2		"	0.333		70.2	33-115			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**Total Metals by 7196A - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L644392 -</b>										
<b>DUP (L 98333-DUP)</b>		<b>Source: Y210345-09</b>			Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
<b>MS (L 98333-MS)</b>		<b>Source: Y210345-09</b>			Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	34.6	2.5	mg/Kg	39.8	< 0.244	87	75-125			
<b>MSD (L 98333-MSD)</b>		<b>Source: Y210345-09</b>			Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	641	50.2	mg/Kg	633	<24.5	101	75-125			
<b>LCS (LCS)</b>					Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	7.13	0.5	mg/Kg	8		89	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**Total Metals by 7196 A - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L644391 -</b>										
<b>DUP (L 98238-DUP)</b>		<b>Source: 98238</b>			Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
<b>MS (L 98238-MS)</b>		<b>Source: 98238</b>			Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	32.4	2.5	mg/Kg	39.2	< 0.244	83	75-125			
<b>MSD (L 98238-MSD)</b>		<b>Source: 98238</b>			Prepared: Analyzed: 10/20/2022					
Chromium, Hexavalent	542	50.5	mg/Kg	599	<24.6	90	75-125			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**Total Metals by 7196A - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L644128 -</b>										
<b>DUP (L 98235-DUP)</b>		<b>Source: 98235</b>			Prepared: Analyzed: 10/19/2022					
Chromium, Hexavalent	ND	2.5	mg/Kg		<2.50		-	0	20	
<b>MS (L 98235-MS)</b>		<b>Source: 98235</b>			Prepared: Analyzed: 10/19/2022					
Chromium, Hexavalent	31	2.52	mg/Kg	40.3	<1.23	77	75-125			
<b>MSD (L 98235-MSD)</b>		<b>Source: 98235</b>			Prepared: Analyzed: 10/19/2022					
Chromium, Hexavalent	510	50	mg/Kg	656	<24.4	78	75-125			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

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### Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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November 16, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Berry 1

Project Number - -

Attached are your analytical results for KMG - Berry 1 received by Origins Laboratory, Inc. November 07, 2022. This project is associated with Origins project number Y211172-01.

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, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B02@3'	Y211172-01	Soil	November 7, 2022 13:43	11/07/2022 16:10

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

**Sample Receipt Checklist**

Origins Work Order: 421172 Client: Eagle Environmental  
 Client Project ID: Berry 1

Checklist Completed by: TJH/OE Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Date/time completed: 11/7/22 Airbill #: n/a

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

Cooler Number/Temperature: 1, 5.2 c / \_\_\_\_\_ °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C

Thermometer ID: TJH

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> ?	X			
Is there ice present (document if blue ice is used)?	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
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.			X	
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)			X	
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.

[Signature]  
 Reviewed by (Project Manager)

11/07/2022  
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**FL-B02@3'**

**11/7/2022 1:43:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y211172-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.100	mg/L	1	B2K0804	KAP	11/08/2022	11/09/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0703	ADM	11/07/2022	11/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: <i>o</i> -Terphenyl	97.4 %	50-150			"	"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2K0719	JSM	11/07/2022	11/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	93.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.9 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**FL-B02@3'**

**11/7/2022 1:43:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y211172-01 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	ND	2.50	meq/L	10	[CALC]	KAP	11/08/2022	11/09/2022	
Magnesium	ND	4.11	"	"	"	KAP	"	"	
Sodium	ND	2.17	"	"	"	KAP	"	"	

**pH in Soil by 9045D**

pH	<b>8.22</b>		pH Units	1	B2K0821	HJD	11/08/2022	11/09/2022	
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**SAR by 20B Saturated Paste**

SAR	<b>1.00</b>		SAR	1	B2K0802	KAP	11/08/2022	11/09/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	<b>0.211</b>	0.00500	mmhos/cm	1	B2K0821	HJD	11/08/2022	11/09/2022	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2K0703 - EPA 3580</b>										
<b>Blank (B2K0703-BLK1)</b>										
					Prepared: 11/07/2022 Analyzed: 11/07/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		97.8	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2K0703 - EPA 3580</b>										
<b>LCS (B2K0703-BS1)</b>					Prepared: 11/07/2022 Analyzed: 11/07/2022					
Diesel (C10-C28)	968	50.0	mg/kg	1000		96.8	70-130			
Residual Range Organics (C28-C40)	957	200	"	1000		95.7	70-130			
Surrogate: o-Terphenyl	48		"	49.8		97.0	50-150			

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2K0703 - EPA 3580**

<b>Matrix Spike (B2K0703-MS1)</b>	<b>Source: Y211142-01</b>			Prepared: 11/07/2022 Analyzed: 11/07/2022						
Diesel (C10-C28)	967	50.0	mg/kg	1000	ND	96.7	70-130			
Residual Range Organics (C28-C40)	940	200	"	1000	ND	94.0	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.4	50-150			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0703 - EPA 3580

Matrix Spike Dup (B2K0703-MSD1)	Source: Y211142-01			Prepared: 11/07/2022 Analyzed: 11/07/2022						
Diesel (C10-C28)	984	50.0	mg/kg	1000	ND	98.4	70-130	1.75	35	
Residual Range Organics (C28-C40)	982	200	"	1000	ND	98.2	70-130	4.29	35	
Surrogate: o-Terphenyl	47		"	49.8		94.7	50-150			

Origins Laboratory, Inc.



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 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2K0719 - EPA 5030 (soil)**

**Blank (B2K0719-BLK1)**

Prepared: 11/07/2022 Analyzed: 11/07/2022

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	0.13		"	0.125	103		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	103		70-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2K0719 - EPA 5030 (soil)**

**LCS (B2K0719-BS1)**

Prepared: 11/07/2022 Analyzed: 11/07/2022

1,2,4-Trimethylbenzene	0.107	0.00200	mg/kg	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.0928	0.00200	"	0.100		92.8	70-130			
Ethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Naphthalene	0.0979	0.00380	"	0.100		97.9	70-130			
Toluene	0.0996	0.00200	"	0.100		99.6	70-130			
o-Xylene	0.0965	0.00200	"	0.100		96.5	70-130			
m,p-Xylene	0.215	0.00400	"	0.200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0719 - EPA 5030 (soil)

Matrix Spike (B2K0719-MS1)	Source: Y211166-01			Prepared: 11/07/2022 Analyzed: 11/07/2022						
1,2,4-Trimethylbenzene	0.0930	0.00200	mg/kg	0.100	ND	93.0	70-130			
1,3,5-Trimethylbenzene	0.0908	0.00200	"	0.100	ND	90.8	70-130			
Benzene	0.0987	0.00200	"	0.100	ND	98.7	70-130			
Ethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130			
Naphthalene	0.0866	0.00380	"	0.100	ND	86.6	70-130			
Toluene	0.0984	0.00200	"	0.100	ND	98.4	70-130			
o-Xylene	0.103	0.00200	"	0.100	ND	103	70-130			
m,p-Xylene	0.211	0.00400	"	0.200	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0719 - EPA 5030 (soil)

Matrix Spike Dup (B2K0719-MSD1)	Source: Y211166-01	Prepared: 11/07/2022	Analyzed: 11/07/2022						
1,2,4-Trimethylbenzene	0.0897	0.00200	mg/kg	0.100	ND	89.7	70-130	3.57	20
1,3,5-Trimethylbenzene	0.0878	0.00200	"	0.100	ND	87.8	70-130	3.41	20
Benzene	0.0948	0.00200	"	0.100	ND	94.8	70-130	4.09	20
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	3.19	20
Naphthalene	0.0866	0.00380	"	0.100	ND	86.6	70-130	0.0924	20
Toluene	0.0958	0.00200	"	0.100	ND	95.8	70-130	2.68	20
o-Xylene	0.101	0.00200	"	0.100	ND	101	70-130	2.19	20
m,p-Xylene	0.205	0.00400	"	0.200	ND	103	70-130	2.75	20
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130		
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130		
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130		

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B2K0802 - Saturated Paste Metals**

**Blank (B2K0802-BLK1)**

Prepared: 11/08/2022 Analyzed: 11/09/2022

Calcium PPM	ND	10.0	mg/L							
SAR	0.00		SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

**Duplicate (B2K0802-DUP1)**

Source: Y211166-01

Prepared: 11/08/2022 Analyzed: 11/09/2022

SAR	0.00		SAR		2.74			200	200	
Calcium PPM	1.26	10.0	mg/L		8.22			147	50	QR-DUP
Magnesium PPM	0.944	10.0	"		5.54			142	50	QR-DUP
Sodium PPM	7.52	10.0	"		41.4			139	50	QR-DUP

**Batch B2K0804 - DTPA Sorbitol Preparation**

**Blank (B2K0804-BLK1)**

Prepared: 11/08/2022 Analyzed: 11/09/2022

Boron	ND	0.100	mg/L							
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**Duplicate (B2K0804-DUP1)**

Source: Y211145-01

Prepared: 11/08/2022 Analyzed: 11/09/2022

Boron	0.0322	0.100	mg/L		0.0368			13.3	50	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: -  
 Project: KMG - Berry 1

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2K0821 - Saturated Paste pH/EC</b>										
<b>Blank (B2K0821-BLK1)</b>					Prepared: 11/08/2022 Analyzed: 11/10/2022					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
<b>Duplicate (B2K0821-DUP1)</b>					<b>Source: Y211166-01</b> Prepared: 11/08/2022 Analyzed: 11/09/2022					
Specific Conductance (EC)	0.299	0.00500	mmhos/cm		0.299			0.100	25	
pH	7.95		pH Units		7.98			0.377	25	

Origins Laboratory, Inc.



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8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: -  
Project: KMG - Berry 1

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### Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

Lab #: 849128 Job #: 52722 IS-107457 Co. Job#:  
Sample Name: SVP-01@8' Co. Lab#:  
Company: Oxy USA Inc.  
API/Well:  
Container: IsoTube®  
Field/Site Name: Berry 1  
Location:  
Formation:  
Sampling Point:  
Date Sampled: 10/19/2022 12:53 Date Received: 11/08/2022 Date Reported: 11/21/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.940			
Oxygen -----	20.90			
Nitrogen -----	78.00			
Carbon Dioxide -----	0.14			
Methane -----	0.0003			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0171			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 1

Specific gravity, calculated: 1.001

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 849129 Job #: 52722 IS-107457 Co. Job#:   
 Sample Name: SVP-02@8' Co. Lab#:   
 Company: Oxy USA Inc.   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Berry 1   
 Location:   
 Formation:   
 Sampling Point:   
 Date Sampled: 10/19/2022 13:02 Date Received: 11/08/2022 Date Reported: 11/21/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.939			
Oxygen -----	21.05			
Nitrogen -----	77.95			
Carbon Dioxide -----	0.057			
Methane -----	0.0002			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0004			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 849130 Job #: 52722 IS-107457 Co. Job#:  
Sample Name: SVP-03@5' Co. Lab#:  
Company: Oxy USA Inc.  
API/Well:  
Container: IsoTube®  
Field/Site Name: Berry 1  
Location:  
Formation:  
Sampling Point:  
Date Sampled: 10/19/2022 12:28 Date Received: 11/08/2022 Date Reported: 11/21/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.935			
Oxygen -----	20.18			
Nitrogen -----	77.86			
Carbon Dioxide -----	1.03			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.005

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 849131 Job #: 52722 IS-107457 Co. Job#:  
Sample Name: SVP-04@5' Co. Lab#:  
Company: Oxy USA Inc.  
API/Well:  
Container: IsoTube®  
Field/Site Name: Berry 1  
Location:  
Formation:  
Sampling Point:  
Date Sampled: 10/19/2022 12:31 Date Received: 11/08/2022 Date Reported: 11/21/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.938			
Oxygen -----	21.04			
Nitrogen -----	77.96			
Carbon Dioxide -----	0.066			
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

Lab #: 849132 Job #: 52722 IS-107457 Co. Job#:  
Sample Name: SVP-05@5' Co. Lab#:  
Company: Oxy USA Inc.  
API/Well:  
Container: IsoTube®  
Field/Site Name: Berry 1  
Location:  
Formation:  
Sampling Point:  
Date Sampled: 10/19/2022 12:33 Date Received: 11/08/2022 Date Reported: 11/21/2022

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	0.946			
Oxygen -----	19.84			
Nitrogen -----	78.58			
Carbon Dioxide -----	0.63			
Methane -----	0.0002			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.002

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.