

**TABLE 1**  
**SOIL SAMPLE FIELD DATA SUMMARY TABLE**  
**EISENACH PRESTON 8-7K WELLHEAD**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL AND GAS ONSHORE, LP**

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
<b>WELLHEAD EXCAVATION SAMPLES</b>								
N Wall	7/5/2023	3	0.2	NS	NO	40.24104318	-104.799029	N
E Wall	7/5/2023	3	0.0	NS	NO	40.24099975	-104.7989786	N
S Wall	7/5/2023	3	0.1	NS	NO	40.24095557	104.799035	N
W Wall	7/5/2023	3	0.1	NS	NO	40.24099994	-104.7990806	N
B01@6'	7/5/2023	6	0.1	NS	NO	40.24100821	-104.7990315	Y
WH01-RISER@4'	7/5/2023	4	0.3	NS	NO	40.24101514	-104.799041	Y
FS01	7/5/2023	0.5	0.2	NS	NO	40.2411069	-104.7989017	N
FS02	7/5/2023	0.5	0.0	NS	NO	40.24092236	-104.7989454	N
FS03	7/5/2023	0.5	0.0	NS	NO	40.24091151	-104.7991991	N
FS04	7/5/2023	0.5	0.0	NS	NO	40.24110295	-104.7991799	N
<b>FLOWLINE POTHOLE SAMPLES</b>								
PH07	7/6/2023	3	0.6	NS	NO	40.24355364	-104.7981019	Y
PH08	7/6/2023	3	0.3	NS	NO	40.24343451	-104.7981529	Y
PH09	7/6/2023	3	0.2	NS	NO	40.24328299	-104.7982038	Y
PH10	7/6/2023	4	0.1	NS	NO	40.24310678	-104.7982658	Y
PH11	7/6/2023	4	0.0	NS	NO	40.24295737	-104.79832	Y
PH12	7/6/2023	4	0.0	NS	NO	40.24278455	-104.7983872	Y
PH13	7/6/2023	4	0.0	NS	NO	40.24254206	-104.7984625	Y
PH14	7/6/2023	4	0.0	NS	NO	40.24226655	-104.7985514	Y
PH15	7/6/2023	4	0.0	NS	NO	40.24188366	-104.7987167	Y
PH16	7/6/2023	3	0.0	NS	NO	40.24147499	-104.7988612	Y
<b>SEPARATOR RISER SAMPLES</b>								
SEP01-RISER@3'	7/5/2023	3	0.1	NS	NO	40.2436801	-104.7980752	Y
<b>BACKGROUND SOIL SAMPLES</b>								
Native-BG01@3'	7/5/2023	3	0.0	NS	NO	40.2410597	-104.7989056	Y
Native-BG01@6'	7/5/2023	6	0.0	NS	NO	40.2410597	-104.7989056	Y
Native-BG02@3'	7/5/2023	3	0.0	NS	NO	40.24095906	-104.7989626	Y
Native-BG02@6'	7/5/2023	6	0.0	NS	NO	40.24095906	-104.7989626	Y
Native-BG03@3'	7/5/2023	3	0.1	NS	NO	40.24093329	-104.7990813	Y
Native-BG03@6'	7/5/2023	6	0.0	NS	NO	40.24093329	-104.7990813	Y
Native-BG04@3'	7/5/2023	3	0.0	NS	NO	40.24104778	-104.7991536	Y
Native-BG04@6'	7/5/2023	6	0.0	NS	NO	40.24104778	-104.7991536	Y

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**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL AND GAS ONSHORE, LP**

**Notes:**

ft. - feet

bgs - below ground surface

PID - Photoionization detector

ppm - parts per million

NS - No Staining

NO - No Odor

NA - Not Analyzed/Not Applicable

TABLE 2-1  
SOIL SAMPLE ANALYTICAL RESULTS  
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS  
EISENACH PRESTON 8-7K WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO <sup>+</sup> (mg/kg)	TPH-DRO <sup>+</sup> (mg/kg)	TPH-RRO <sup>+</sup> (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4- Trimethyl benzene (mg/kg)	1,3,5- Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
Groundwater Protection Values (GPV)			500	500	500	0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
WELLHEAD EXCAVATION SAMPLES												
B01@6'	7/5/2023	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
WH01-RISER@4'	7/5/2023	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
SEPARATOR RISER SAMPLES												
SEP01-RISER@3'	7/5/2023	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380

TABLE 2-2  
SOIL SAMPLE ANALYTICAL RESULTS  
POLYCYCLIC AROMATIC HYDROCARBONS  
EISENACH PRESTON 8-7K WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Acenaphthene (mg/Kg)	Anthracene (mg/Kg)	Benzo (a) anthracene (mg/Kg)	Benzo (b) fluoranthene (mg/Kg)	Benzo (k) fluoranthene (mg/Kg)	Benzo (a) pyrene (mg/Kg)	Chrysene (mg/Kg)	Dibenz (a,h) anthracene (mg/Kg)	Fluoranthene (mg/Kg)	Fluorene (mg/Kg)	Indeno (1,2,3-cd) pyrene (mg/Kg)	1-Methyl naphthalene (mg/Kg)	2-Methyl naphthalene (mg/Kg)	Pyrene (mg/Kg)
Groundwater Protection Values (GPV)			0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
WELLHEAD EXCAVATION SAMPLES																
B01@6'	7/5/2023	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH01-RISER@4'	7/5/2023	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEPARATOR RISER SAMPLES																
SEP01-RISER@3'	7/5/2023	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2-3  
SOIL SAMPLE ANALYTICAL RESULTS  
SOIL SUITABILITY FOR RECLAMATION  
EISENACH PRESTON 8-7K WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
Groundwater Protection Values (GPV)			4	6	6-8.3	2
<b>WELLHEAD EXCAVATION SAMPLES</b>						
<b>B01@6'</b>	7/5/2023	6	0.357	3.32	8.92*	0.219
<b>WH01-RISER@4'</b>	7/5/2023	4	0.828	2.29	8.54*	0.131
<b>SEPARATOR RISER SAMPLES</b>						
<b>SEP01-RISER@3'</b>	7/5/2023	3	0.176	0.233	6.92	<0.0981
<b>BACKGROUND SAMPLES</b>						
<b>Native-BG01@3'</b>	7/5/2023	3	0.817	4.85	8.21	0.304
<b>Native-BG01@6'</b>	7/5/2023	6	0.671	5.36	8.42	0.232
<b>Native-BG02@3'</b>	7/5/2023	3	0.332	6.45	8.46	<0.0981
<b>Native-BG02@6'</b>	7/5/2023	6	0.521	3.79	8.35	0.109
<b>Native-BG03@3'</b>	7/5/2023	3	0.301	6.83	7.89	0.119
<b>Native-BG03@6'</b>	7/5/2023	6	0.894	4.40	8.52	0.325
<b>Native-BG04@3'</b>	7/5/2023	3	0.591	3.00	8.16	0.187
<b>Native-BG04@6'</b>	7/5/2023	6	0.504	2.36	8.45	0.107

TABLE 2-4  
SOIL SAMPLE ANALYTICAL RESULTS  
METALS  
EISENACH PRESTON 8-7K WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth(ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
Groundwater Protection Value (GPV)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
WELLHEAD EXCAVATION SAMPLES												
B01@6'	7/5/2023	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH01-RISER@4'	7/5/2023	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEPARATOR RISER SAMPLES												
SEP01-RISER@3'	7/5/2023	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BACKGROUND SAMPLES												
Native-BG01@3'	7/5/2023	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native-BG01@6'	7/5/2023	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native-BG02@3'	7/5/2023	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native-BG02@6'	7/5/2023	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native-BG03@3'	7/5/2023	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native-BG03@6'	7/5/2023	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native-BG04@3'	7/5/2023	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Native-BG04@6'	7/5/2023	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2-5  
SOIL SAMPLE ANALYTICAL RESULTS  
NOTES  
EISENACH PRESTON 8-7K WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

**Notes:**

GPV - Groundwater Protection Values (mg/kg)

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

RRO - Residual Range Organics

\*Allowable level for TPH is 500 mg/kg for combined GRO, DRO, ORO

\*Exceeds Table 915-1 allowable level but within analytical variability of background

EC - Electrical Conductivity

SAR - Sodium Adsorption Ratio

mmhos/cm - millimhos per centimeter

<0.00200 - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

**Bold** - exceeds Table 915-1 allowable level and background



July 13, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

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**Project Name - KMG - Eisenach Preston 8-7K WH    Project Number - 09A1417338**

Attached are your analytical results for KMG - Eisenach Preston 8-7K WH received by Origins Laboratory, Inc. July 05, 2023. This project is associated with Origins project number Y307046-01.

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



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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01@6'	Y307046-01	Soil	July 5, 2023 13:20	07/05/2023 18:17
WH01-RISER@4'	Y307046-02	Soil	July 5, 2023 13:22	07/05/2023 18:17
SEP01-RISER@3'	Y307046-03	Soil	July 5, 2023 14:10	07/05/2023 18:17
NATIVE-BG01@3'	Y307046-04	Soil	July 5, 2023 16:30	07/05/2023 18:17
NATIVE-BG01@6'	Y307046-05	Soil	July 5, 2023 16:32	07/05/2023 18:17
NATIVE-BG02@3'	Y307046-06	Soil	July 5, 2023 16:34	07/05/2023 18:17
NATIVE-BG02@6'	Y307046-07	Soil	July 5, 2023 16:38	07/05/2023 18:17
NATIVE-BG03@3'	Y307046-08	Soil	July 5, 2023 16:40	07/05/2023 18:17
NATIVE-BG03@6'	Y307046-09	Soil	July 5, 2023 16:42	07/05/2023 18:17
NATIVE-BG04@3'	Y307046-10	Soil	July 5, 2023 16:44	07/05/2023 18:17
NATIVE-BG04@6'	Y307046-11	Soil	July 5, 2023 16:48	07/05/2023 18:17

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.*

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

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

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

INITIAL 460704 page 1 of 2

Client: Ensolum

Address: \_\_\_\_\_

Project Manager: Jeremy Espinoza

Project Name: Eisenach Preston 8-7K WH

Project Number: 09A1417338

Telephone Number: \_\_\_\_\_

Samples Collected by: FS

Email Address: KMG Team

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions							
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #	Other	BTEX, N		TMBS	PAHs	PCBs	Pesticides	Metals		
BOL261	7/5/23	1320	3	X																
WHD-RISER241		1322	3																	
SEPO1-RISER231		1410	3																	
NATIVE-BOL231		1630	2																	
NATIVE-BOL261		1632	1																	
NATIVE-BOL231		1634																		
NATIVE-BOL261		1636																		
NATIVE-BOL231		1640																		
NATIVE-BOL261		1642																		
NATIVE-BOL231		1644																		

Temp Received: \_\_\_\_\_

Date Results Needed: \_\_\_\_\_

Relinquished By: J. Hines  
Date: 7/5/23  
Time: 1617

Received By: [Signature]

Date: 7/5/23  
Time: 1817

Turnaround Time:  
☐ Same Day  
☒ 24 Hr  
☐ 48 Hr  
☐ 72 Hr  
☐ Standard

Origins Laboratory, Inc.

*J. Bynon*

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 4307046

Client: Ensolum

Client Project ID: Eisenach Preston 8-7K

Checklist Completed by: EH

Shipped Via: HO

Date/time completed: 8/7/12

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

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

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

Thermometer ID: 7004

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

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

Jeremy Espinoza  
Reviewed by (Project Manager)

7/5/12  
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Espinoza  
Project Number: 09A1417338  
Project: KMG - Eisenach Preston 8-7K WH

B01@6'

7/5/2023 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y307046-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.219	0.100	mg/L	1	B3G0610	KAP	07/06/2023	07/07/2023	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G0520	ADM	07/05/2023	07/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl	65.2 %	50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G0522	HKS	07/05/2023	07/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	96.5 %	70-130			"	"	"

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

B01@6'

7/5/2023 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y307046-01 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.89	0.435	"	"	"	KAP	"	"

## pH in Soil by 9045D

pH	8.92		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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## SAR by 20B Saturated Paste

SAR	3.32		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.357	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Jeremy Espinoza  
Project Number: 09A1417338  
Project: KMG - Eisenach Preston 8-7K WH

## WH01-RISER@4'

7/5/2023 1:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y307046-02 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.131	0.0988	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023	
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### DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G0520	ADM	07/05/2023	07/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl	65.2 %	50-150			"	"	"	
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### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G0522	HKS	07/05/2023	07/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	96.1 %	70-130			"	"	"

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## WH01-RISER@4'

7/5/2023 1:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc.

Y307046-02 (Soil)

### Metals by Saturated Paste by EPA 6010

Calcium	0.964	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.00	0.435	"	"	"	KAP	"	"

### pH in Soil by 9045D

pH	8.54		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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### SAR by 20B Saturated Paste

SAR	2.29		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.828	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

SEP01-RISER@3'

7/5/2023 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
Y307046-03 (Soil)

**Boron (DTPA Sorbitol)**

Boron	ND	0.0981	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G0520	ADM	07/05/2023	07/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl	61.2 %	50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G0522	HKS	07/05/2023	07/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.0 %	70-130			"	"	"

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

SEP01-RISER@3'

7/5/2023 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y307046-03 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	0.707	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

## pH in Soil by 9045D

pH	6.92		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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## SAR by 20B Saturated Paste

SAR	0.233		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.176	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## NATIVE-BG01@3'

7/5/2023 4:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y307046-04 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.304	0.0985	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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### Metals by Saturated Paste by EPA 6010

Calcium	1.90	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	5.33	0.435	"	"	"	KAP	"	"

### pH in Soil by 9045D

pH	8.21		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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### SAR by 20B Saturated Paste

SAR	4.85		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.817	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Espinoza  
Project Number: 09A1417338  
Project: KMG - Eisenach Preston 8-7K WH

**NATIVE-BG01@6'**  
**7/5/2023 4:32:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y307046-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.232	0.0995	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.15	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	4.65	0.435	"	"	"	KAP	"	"

**pH in Soil by 9045D**

pH	8.42		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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**SAR by 20B Saturated Paste**

SAR	5.36		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.671	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## NATIVE-BG02@3'

7/5/2023 4:34:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y307046-06 (Soil)

### Boron (DTPA Sorbitol)

Boron	ND	0.0981	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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### Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.78	0.435	"	"	"	KAP	"	"

### pH in Soil by 9045D

pH	8.46		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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### SAR by 20B Saturated Paste

SAR	6.45		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.332	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Espinoza  
Project Number: 09A1417338  
Project: KMG - Eisenach Preston 8-7K WH

**NATIVE-BG02@6'****7/5/2023 4:38:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.  
Y307046-07 (Soil)****Boron (DTPA Sorbitol)**

Boron	0.109	0.100	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.10	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	3.24	0.435	"	"	"	KAP	"	"

**pH in Soil by 9045D**

pH	8.35		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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**SAR by 20B Saturated Paste**

SAR	3.79		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.521	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## NATIVE-BG03@3'

7/5/2023 4:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y307046-08 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.119	0.0987	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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### Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.57	0.435	"	"	"	KAP	"	"

### pH in Soil by 9045D

pH	7.89		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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### SAR by 20B Saturated Paste

SAR	6.83		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.301	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## NATIVE-BG03@6'

7/5/2023 4:42:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y307046-09 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.325	0.100	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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### Metals by Saturated Paste by EPA 6010

Calcium	1.10	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	1.93	0.823	"	"	"	KAP	"	"
Sodium	5.42	0.435	"	"	"	KAP	"	"

### pH in Soil by 9045D

pH	8.52		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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### SAR by 20B Saturated Paste

SAR	4.40		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.894	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## NATIVE-BG04@3'

7/5/2023 4:44:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y307046-10 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.187	0.0987	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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### Metals by Saturated Paste by EPA 6010

Calcium	1.73	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	3.24	0.435	"	"	"	KAP	"	"

### pH in Soil by 9045D

pH	8.16		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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### SAR by 20B Saturated Paste

SAR	3.00		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.591	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## NATIVE-BG04@6'

7/5/2023 4:48:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y307046-11 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.107	0.0997	mg/L	1	B3G0611	KAP	07/06/2023	07/07/2023
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### Metals by Saturated Paste by EPA 6010

Calcium	1.09	0.499	meq/L	10	[CALC]	KAP	07/06/2023	07/07/2023
Magnesium	1.01	0.823	"	"	"	KAP	"	"
Sodium	2.42	0.435	"	"	"	KAP	"	"

### pH in Soil by 9045D

pH	8.45		pH Units	1	B3G0614	HJD	07/06/2023	07/07/2023
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### SAR by 20B Saturated Paste

SAR	2.36		SAR	1	B3G0608	KAP	07/06/2023	07/07/2023
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.504	0.00500	mmhos/cm	1	B3G0614	HJD	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## 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
Batch B3G0520 - EPA 3550B										
Blank (B3G0520-BLK1)					Prepared: 07/05/2023 Analyzed: 07/05/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		74.8	50-150			

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## 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 B3G0520 - EPA 3550B

### LCS (B3G0520-BS1)

Prepared: 07/05/2023 Analyzed: 07/05/2023

Diesel (C10-C28)	864	50.0	mg/kg	1000		86.4	70-130			
Residual Range Organics (C28-C40)	887	200	"	1000		88.7	70-130			
Surrogate: o-Terphenyl	43		"	49.8		86.3	50-150			

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## 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 B3G0520 - EPA 3550B

Matrix Spike (B3G0520-MS1)		Source: Y307031-01			Prepared: 07/05/2023 Analyzed: 07/05/2023					
Diesel (C10-C28)	911	50.0	mg/kg	1000	ND	91.1	70-130			
Residual Range Organics (C28-C40)	923	200	"	1000	ND	92.3	70-130			
Surrogate: o-Terphenyl	40		"	49.8		80.9	50-150			

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417338

Project: KMG - Eisenach Preston 8-7K WH

## 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 B3G0520 - EPA 3550B

Matrix Spike Dup (B3G0520-MSD1)		Source: Y307031-01			Prepared: 07/05/2023 Analyzed: 07/05/2023					
Diesel (C10-C28)	902	50.0	mg/kg	1000	ND	90.2	70-130	0.990	35	
Residual Range Organics (C28-C40)	917	200	"	1000	ND	91.7	70-130	0.654	35	
Surrogate: o-Terphenyl	41		"	49.8		82.3	50-150			

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Espinoza  
Project Number: 09A1417338  
Project: KMG - Eisenach Preston 8-7K WH

## 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
Batch B3G0522 - EPA 5030 (soil)										
Blank (B3G0522-BLK1)					Prepared: 07/05/2023 Analyzed: 07/05/2023					
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		99.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.2	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 B3G0522 - EPA 5030 (soil)

**LCS (B3G0522-BS1)**

Prepared: 07/05/2023 Analyzed: 07/05/2023

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100		102	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Benzene	0.0992	0.00200	"	0.100		99.2	70-130			
Ethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Naphthalene	0.105	0.00380	"	0.100		105	70-130			
Toluene	0.100	0.00200	"	0.100		100	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.210	0.00400	"	0.200		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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 B3G0522 - EPA 5030 (soil)

Matrix Spike (B3G0522-MS1)		Source: Y307031-01			Prepared: 07/05/2023 Analyzed: 07/05/2023					
1,2,4-Trimethylbenzene	0.0990	0.00200	mg/kg	0.100	0.00152	97.5	70-130			
1,3,5-Trimethylbenzene	0.0995	0.00200	"	0.100	0.00108	98.4	70-130			
Benzene	0.0900	0.00200	"	0.100	0.000460	89.6	70-130			
Ethylbenzene	0.101	0.00200	"	0.100	0.0117	89.1	70-130			
Naphthalene	0.102	0.00380	"	0.100	ND	102	70-130			
Toluene	0.125	0.00200	"	0.100	0.0185	106	70-130			
o-Xylene	0.105	0.00200	"	0.100	0.00350	101	70-130			
m,p-Xylene	0.227	0.00400	"	0.200	0.0153	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	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 B3G0522 - EPA 5030 (soil)

Matrix Spike Dup (B3G0522-MSD1)		Source: Y307031-01			Prepared: 07/05/2023 Analyzed: 07/05/2023					
1,2,4-Trimethylbenzene	0.0963	0.00200	mg/kg	0.100	0.00152	94.8	70-130	2.76	20	
1,3,5-Trimethylbenzene	0.0968	0.00200	"	0.100	0.00108	95.7	70-130	2.71	20	
Benzene	0.0897	0.00200	"	0.100	0.000460	89.2	70-130	0.378	20	
Ethylbenzene	0.100	0.00200	"	0.100	0.0117	88.3	70-130	0.857	20	
Naphthalene	0.107	0.00380	"	0.100	ND	107	70-130	5.25	20	
Toluene	0.116	0.00200	"	0.100	0.0185	97.9	70-130	7.00	20	
o-Xylene	0.103	0.00200	"	0.100	0.00350	99.8	70-130	1.54	20	
m,p-Xylene	0.215	0.00400	"	0.200	0.0153	100	70-130	5.38	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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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## 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 B3G0608 - Saturated Paste Metals

##### Blank (B3G0608-BLK1)

Prepared: 07/06/2023 Analyzed: 07/07/2023

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

##### Duplicate (B3G0608-DUP1)

Source: Y307044-04

Prepared: 07/06/2023 Analyzed: 07/07/2023

Calcium PPM	19.4	10.0	mg/L	19.9	2.54	50
SAR	0.00		SAR	0.272	200	200
Magnesium PPM	7.81	10.0	mg/L	8.33	6.44	50
Sodium PPM	5.45	10.0	"	5.72	4.83	50

#### Batch B3G0610 - DTPA Sorbitol Preparation

##### Blank (B3G0610-BLK1)

Prepared: 07/06/2023 Analyzed: 07/07/2023

Boron	ND	0.100	mg/L
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##### Duplicate (B3G0610-DUP1)

Source: Y307031-01

Prepared: 07/06/2023 Analyzed: 07/07/2023

Boron	0.239	0.0986	mg/L	0.232	2.99	50
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#### Batch B3G0611 - DTPA Sorbitol Preparation

##### Blank (B3G0611-BLK1)

Prepared: 07/06/2023 Analyzed: 07/07/2023

Boron	ND	0.100	mg/L
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Project: KMG - Eisenach Preston 8-7K WH

## 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 B3G0611 - DTPA Sorbitol Preparation

Duplicate (B3G0611-DUP1)		Source: Y306883-01			Prepared: 07/06/2023 Analyzed: 07/07/2023					
Boron	1.76	0.0985	mg/L		1.66			5.62	50	

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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
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#### Batch B3G0614 - Saturated Paste pH/EC

##### Blank (B3G0614-BLK1)

Prepared: 07/06/2023 Analyzed: 07/07/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

##### Duplicate (B3G0614-DUP1)

Source: Y307044-04

Prepared: 07/06/2023 Analyzed: 07/07/2023

Specific Conductance (EC)	0.190	0.00500	mmhos/cm	0.197	3.72	25
pH	8.43		pH Units	8.43	0.00	25

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### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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