



Ensolum

May 16, 2025

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Herman L 32-14 Wellhead Project Number - 09A14171096

Attached are your analytical results for KMG - Herman L 32-14 Wellhead received by Origins Laboratory April 22, 2025. This project is associated with Origins project number E5D0615-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows: "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



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

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

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-RISER(32-14)@1	E5D0615-01	Soil	April 22, 2025 13:05	04/22/2025 17:00
WH-RISER(32-14)@1'-v	E5D0615-02	Soil	April 22, 2025 13:05	04/22/2025 17:00
B01(32-14)@5'	E5D0615-03	Soil	April 22, 2025 14:43	04/22/2025 17:00
B01(32-14)@5'-v'	E5D0615-04	Soil	April 22, 2025 14:44	04/22/2025 17:00
Native-BG05@3'	E5D0615-05	Soil	April 22, 2025 14:54	04/22/2025 17:00
Native-BG05@6'	E5D0615-06	Soil	April 22, 2025 14:57	04/22/2025 17:00
Native-BG06@3'	E5D0615-07	Soil	April 22, 2025 14:59	04/22/2025 17:00
Native-BG06@6'	E5D0615-08	Soil	April 22, 2025 15:02	04/22/2025 17:00
Native-BG07@3'	E5D0615-09	Soil	April 22, 2025 15:05	04/22/2025 17:00
Native-BG07@6'	E5D0615-10	Soil	April 22, 2025 15:08	04/22/2025 17:00
Native-BG08@3'	E5D0615-11	Soil	April 22, 2025 14:30	04/22/2025 17:00
Native-BG08@6'	E5D0615-12	Soil	April 22, 2025 14:33	04/22/2025 17:00
Native-BG09@3'	E5D0615-13	Soil	April 22, 2025 14:38	04/22/2025 17:00
Native-BG09@6'	E5D0615-14	Soil	April 22, 2025 14:41	04/22/2025 17:00

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Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01@4.5'	E5D0615-15	Water	April 22, 2025 13:50	04/22/2025 17:00
GW-NATIVE-BG08@4'	E5D0615-16	Water	April 22, 2025 14:23	04/22/2025 17:00

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ORIGINS LABORATORY

Ensolum
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Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

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

Sample Receipt Checklist

Origins Work Order: ESD06015 Client: Ensolum
Client Project ID: Herman L 32-14 WH

Checklist Completed by: NB/NKM Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 4/22/25 Airbill #: N/A

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

Cooler Number/Temperature: 1 / 3.8 °C

Thermometer ID: T007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)?	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaOH+NaCl, CaCl2+NaCl)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 4/24/25

Origins Laboratory



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Kayla Kenyon For Jen Pellegrini, Project Manager



Ensolum
 11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

WH-RISER(32-14)@1
4/22/2025 1:05:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-01 (Soil)									
Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	0.13	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	J
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.35		0.0995	mg/L	1	B5D2315	04/23/2025	04/24/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2302	04/23/2025	04/23/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	85.8 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2238	04/22/2025	04/23/2025	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

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WH-RISER(32-14)@1
4/22/2025 1:05:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5D2238	04/22/2025	04/23/2025	U
Surrogate: 1,2-Dichloroethane-d4	147 %			70-130		"	"	"	S-GC
Surrogate: Toluene-d8	96.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	120 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.65		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	3.13		0.823	"	"	"	"	"	
Sodium	27.7		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2354	04/23/2025	04/26/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U

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WH-RISER(32-14)@1
4/22/2025 1:05:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.020	mg/kg	1	B5D2354	04/23/2025	04/26/2025	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	90.7 %			60-130		"	"	"	
Surrogate: Anthracene-d10	83.5 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.35			pH Units	1	B5D2564	04/25/2025	04/30/2025	
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SAR by 20B Saturated Paste

SAR	15.0		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.09		0.00500	mmhos/cm	1	B5D2564	04/25/2025	04/30/2025	
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WH-RISER(32-14)@1
4/22/2025 1:05:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-01 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	2.48		0.255	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	82.5		8.80	"	"	"	"	"	"
Cadmium	0.147		0.0880	"	"	"	"	"	"
Copper	9.55		8.80	"	"	"	"	"	"
Lead	10.2		0.880	"	"	"	"	"	"
Nickel	9.42		0.880	"	"	"	"	"	"
Selenium	ND		0.229	"	"	"	"	"	U
Silver	ND		0.0880	"	"	"	"	"	U
Zinc	43.7		32.6	"	"	"	"	"	"

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WH-RISER(32-14)@1'-v
4/22/2025 1:05:00PM

Analyte	Detection Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-02 (Soil)								
Origins Laboratory								
pH in Soil by 9045D								
pH	7.98		pH Units	1	B5D3056	04/30/2025	05/02/2025	

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B01(32-14)@5'
4/22/2025 2:43:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-03 (Soil) Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.645		0.0998	mg/L	1	B5D2315	04/23/2025	04/24/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2302	04/23/2025	04/23/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	93.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2238	04/22/2025	04/23/2025	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

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B01(32-14)@5'
4/22/2025 2:43:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-03 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5D2238	04/22/2025	04/23/2025	U
Surrogate: 1,2-Dichloroethane-d4	142 %			70-130		"	"	"	S-GC
Surrogate: Toluene-d8	98.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	125 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.65		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	2.21		0.823	"	"	"	"	"	
Sodium	13.8		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2354	04/23/2025	04/26/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U

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B01(32-14)@5'
4/22/2025 2:43:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-03 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.020	mg/kg	1	B5D2354	04/23/2025	04/26/2025	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	92.0 %			60-130		"	"	"	
Surrogate: Anthracene-d10	93.6 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.2 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.30			pH Units	1	B5D2564	04/25/2025	04/30/2025	
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SAR by 20B Saturated Paste

SAR	8.04		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.17		0.00500	mmhos/cm	1	B5D2564	04/25/2025	04/30/2025	
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Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

B01(32-14)@5'
4/22/2025 2:43:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-03 (Soil) Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	1.92		0.259	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	119		8.92	"	"	"	"	"	
Cadmium	0.303		0.0892	"	"	"	"	"	
Copper	12.9		8.92	"	"	"	"	"	
Lead	9.04		0.892	"	"	"	"	"	
Nickel	10.7		0.892	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	U
Silver	ND		0.0892	"	"	"	"	"	U
Zinc	52.1		33.0	"	"	"	"	"	

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 Project Number: 09A14171096
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B01(32-14)@5-v'
4/22/2025 2:44:00PM

Analyte	Detection Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-04 (Soil) Origins Laboratory								
pH in Soil by 9045D								
pH	7.75		pH Units	1	B5D3056	04/30/2025	05/02/2025	

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Native-BG05@3'
4/22/2025 2:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-05 (Soil)									
Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.569		0.0994	mg/L	1	B5D2315	04/23/2025	04/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	2.60		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	2.50		0.823	"	"	"	"	"	
Sodium	29.2		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.64			pH Units	1	B5D2564	04/25/2025	05/01/2025	
SAR by 20B Saturated Paste									
SAR	18.3		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	3.96		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	

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Jeremy Espinoza
 Project Number: 09A14171096
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Native-BG05@3'
4/22/2025 2:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-05 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.36		0.260	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	49.5		8.96	"	"	"	"	"	
Cadmium	ND		0.0896	"	"	"	"	"	U
Copper	ND		8.96	"	"	"	"	"	U
Lead	4.86		0.896	"	"	"	"	"	
Nickel	4.39		0.896	"	"	"	"	"	
Selenium	ND		0.233	"	"	"	"	"	U
Silver	ND		0.0896	"	"	"	"	"	U
Zinc	ND		33.2	"	"	"	"	"	U

Origins Laboratory



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

Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

Native-BG05@6'
4/22/2025 2:57:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-06 (Soil) Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	ND	0.08	0.21	mg/kg	1	BIE0287	05/07/2025	05/07/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.483		0.0997	mg/L	1	B5D2315	04/23/2025	04/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	3.27		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	2.54		0.823	"	"	"	"	"	
Sodium	23.7		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.66			pH Units	1	B5D2564	04/25/2025	05/01/2025	
SAR by 20B Saturated Paste									
SAR	13.9		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	3.26		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG05@6'
4/22/2025 2:57:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.35		0.273	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	43.1		9.41	"	"	"	"	"	
Cadmium	0.0969		0.0941	"	"	"	"	"	
Copper	ND		9.41	"	"	"	"	"	U
Lead	5.02		0.941	"	"	"	"	"	
Nickel	4.61		0.941	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	"	U
Silver	ND		0.0941	"	"	"	"	"	U
Zinc	ND		34.8	"	"	"	"	"	U

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG06@3'
4/22/2025 2:59:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-07 (Soil)
Enthalpy Analytical

Total Metals by 7199

Chromium, Hexavalent	0.15	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	J
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	1.04		0.0994	mg/L	1	B5D2315	04/23/2025	04/24/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.991		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	1.12		0.823	"	"	"	"	"	
Sodium	16.8		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.59			pH Units	1	B5D2564	04/25/2025	05/01/2025	
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SAR by 20B Saturated Paste

SAR	16.3		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.35		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	
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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG06@3'
4/22/2025 2:59:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.41		0.258	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	45.2		8.91	"	"	"	"	"	
Cadmium	ND		0.0891	"	"	"	"	"	U
Copper	ND		8.91	"	"	"	"	"	U
Lead	5.21		0.891	"	"	"	"	"	
Nickel	4.55		0.891	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	U
Silver	ND		0.0891	"	"	"	"	"	U
Zinc	ND		33.0	"	"	"	"	"	U

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Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG06@6'
4/22/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-08 (Soil)									
Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.476		0.0996	mg/L	1	B5D2315	04/23/2025	04/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	2.30		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	1.80		0.823	"	"	"	"	"	
Sodium	21.5		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.62			pH Units	1	B5D2564	04/25/2025	05/01/2025	
SAR by 20B Saturated Paste									
SAR	15.0		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	2.83		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	

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Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG06@6'
4/22/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.07		0.251	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	42.6		8.66	"	"	"	"	"	
Cadmium	0.124		0.0866	"	"	"	"	"	
Copper	ND		8.66	"	"	"	"	"	U
Lead	4.48		0.866	"	"	"	"	"	
Nickel	4.13		0.866	"	"	"	"	"	
Selenium	ND		0.225	"	"	"	"	"	U
Silver	ND		0.0866	"	"	"	"	"	U
Zinc	ND		32.0	"	"	"	"	"	U

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Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG07@3'
4/22/2025 3:05:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-09 (Soil)									
Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.438		0.0999	mg/L	1	B5D2315	04/23/2025	04/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	2.41		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	1.58		0.823	"	"	"	"	"	
Sodium	17.3		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.52			pH Units	1	B5D2564	04/25/2025	05/01/2025	
SAR by 20B Saturated Paste									
SAR	12.2		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	2.37		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	

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Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

Native-BG07@3'
4/22/2025 3:05:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-09 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.63		0.253	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	53.2		8.73	"	"	"	"	"	
Cadmium	0.0925		0.0873	"	"	"	"	"	
Copper	ND		8.73	"	"	"	"	"	U
Lead	5.50		0.873	"	"	"	"	"	
Nickel	5.04		0.873	"	"	"	"	"	
Selenium	ND		0.227	"	"	"	"	"	U
Silver	ND		0.0873	"	"	"	"	"	U
Zinc	ND		32.3	"	"	"	"	"	U

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG07@6'
4/22/2025 3:08:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-10 (Soil)
Enthalpy Analytical

Total Metals by 7199

Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.261		0.0995	mg/L	1	B5D2315	04/23/2025	04/24/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.94		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	1.40		0.823	"	"	"	"	"	
Sodium	14.2		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.43			pH Units	1	B5D2564	04/25/2025	05/01/2025	
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SAR by 20B Saturated Paste

SAR	11.0		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.04		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	
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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG07@6'
4/22/2025 3:08:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-10 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.92		0.273	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	36.2		9.42	"	"	"	"	"	
Cadmium	0.117		0.0942	"	"	"	"	"	
Copper	ND		9.42	"	"	"	"	"	U
Lead	5.00		0.942	"	"	"	"	"	
Nickel	4.95		0.942	"	"	"	"	"	
Selenium	0.302		0.245	"	"	"	"	"	
Silver	ND		0.0942	"	"	"	"	"	U
Zinc	ND		34.9	"	"	"	"	"	U

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

Native-BG08@3'
4/22/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-11 (Soil)									
Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	0.11	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	J
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.596		0.0999	mg/L	1	B5D2315	04/23/2025	04/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	2.37		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	1.83		0.823	"	"	"	"	"	
Sodium	18.3		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.60			pH Units	1	B5D2564	04/25/2025	05/01/2025	
SAR by 20B Saturated Paste									
SAR	12.6		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	2.54		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	

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Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG08@3'
4/22/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-11 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.72		0.268	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	103		9.25	"	"	"	"	"	
Cadmium	0.138		0.0925	"	"	"	"	"	
Copper	ND		9.25	"	"	"	"	"	U
Lead	7.95		0.925	"	"	"	"	"	
Nickel	8.17		0.925	"	"	"	"	"	
Selenium	ND		0.240	"	"	"	"	"	U
Silver	ND		0.0925	"	"	"	"	"	U
Zinc	36.6		34.2	"	"	"	"	"	

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

Native-BG08@6'
4/22/2025 2:33:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-12 (Soil)									
Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	0.08	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	J
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.840		0.100	mg/L	1	B5D2315	04/23/2025	04/24/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	8.42		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	6.36		0.823	"	"	"	"	"	
Sodium	32.0		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.47			pH Units	1	B5D2564	04/25/2025	05/01/2025	
SAR by 20B Saturated Paste									
SAR	11.8		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	4.84		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	

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Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

Native-BG08@6'
4/22/2025 2:33:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-12 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.73		0.251	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	128		8.67	"	"	"	"	"	
Cadmium	0.217		0.0867	"	"	"	"	"	
Copper	ND		8.67	"	"	"	"	"	U
Lead	6.22		0.867	"	"	"	"	"	
Nickel	7.80		0.867	"	"	"	"	"	
Selenium	0.225		0.225	"	"	"	"	"	U
Silver	ND		0.0867	"	"	"	"	"	U
Zinc	35.6		32.1	"	"	"	"	"	

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG09@3'
4/22/2025 2:38:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-13 (Soil)
Enthalpy Analytical

Total Metals by 7199

Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIE0287	05/07/2025	05/07/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.469		0.0998	mg/L	1	B5D2315	04/23/2025	04/24/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.57		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	1.24		0.823	"	"	"	"	"	
Sodium	10.5		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.44			pH Units	1	B5D2564	04/25/2025	05/01/2025	
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SAR by 20B Saturated Paste

SAR	8.87		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.61		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	
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11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

Native-BG09@3'
4/22/2025 2:38:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-13 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.94		0.264	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	59.9		9.09	"	"	"	"	"	
Cadmium	ND		0.0909	"	"	"	"	"	U
Copper	ND		9.09	"	"	"	"	"	U
Lead	7.41		0.909	"	"	"	"	"	
Nickel	7.90		0.909	"	"	"	"	"	
Selenium	ND		0.236	"	"	"	"	"	U
Silver	ND		0.0909	"	"	"	"	"	U
Zinc	ND		33.6	"	"	"	"	"	U

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

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG09@6'
4/22/2025 2:41:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-14 (Soil)
Enthalpy Analytical

Total Metals by 7199

Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIE0288	05/07/2025	05/08/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.443		0.0999	mg/L	1	B5D2315	04/23/2025	04/24/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	2.08		0.499	meq/L	10	[CALC]	04/25/2025	05/01/2025	
Magnesium	1.57		0.823	"	"	"	"	"	
Sodium	10.7		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.59			pH Units	1	B5D2564	04/25/2025	05/01/2025	
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SAR by 20B Saturated Paste

SAR	7.90		0.0100	SAR	1	B5D2561	04/25/2025	05/01/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.77		0.00500	mmhos/cm	1	B5D2564	04/25/2025	05/01/2025	
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Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Native-BG09@6'
4/22/2025 2:41:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0615-14 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.13		0.253	mg/kg	10	B5D2339	04/23/2025	04/24/2025	
Barium	91.7		8.74	"	"	"	"	"	
Cadmium	0.127		0.0874	"	"	"	"	"	
Copper	ND		8.74	"	"	"	"	"	U
Lead	9.24		0.874	"	"	"	"	"	
Nickel	8.84		0.874	"	"	"	"	"	
Selenium	0.387		0.227	"	"	"	"	"	
Silver	ND		0.0874	"	"	"	"	"	U
Zinc	40.1		32.3	"	"	"	"	"	

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Ensolum
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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

GW01@4.5'
4/22/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-15 (Water)									
Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B5D2303	04/23/2025	04/23/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4									
	96.1 %				70-130	"	"	"	
Surrogate: Toluene-d8									
	96.2 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene									
	73.8 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	895		31.2	mg/L	125	B5D2305	04/23/2025	04/24/2025	
Sulfate	2260		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	5010		5.00	"	1	B5D2324	04/23/2025	04/28/2025	

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Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

GW-NATIVE-BG08@4'
4/22/2025 2:23:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0615-16 (Water) Origins Laboratory									
Chloride and Sulfate By EPA 300.0									
Chloride	792		31.2	mg/L	125	B5D2305	04/23/2025	04/24/2025	
Sulfate	1930		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	4400		5.00	"	1	B5D2324	04/23/2025	04/28/2025	

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Jeremy Espinoza
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 Project: KMG - Herman L 32-14 Wellhead

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2305 - Filter .45um non acidified

Blank (B5D2305-BLK1)

Prepared: 04/23/2025 Analyzed: 04/24/2025

Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U

LCS (B5D2305-BS1)

Prepared: 04/23/2025 Analyzed: 04/24/2025

Chloride	3.93	0.250	mg/L	4.00		98.2	90-110			
Sulfate	3.82	0.250	"	4.00		95.6	90-110			

Matrix Spike (B5D2305-MS1)

Source: E5D0601-01

Prepared: 04/23/2025 Analyzed: 04/24/2025

Chloride	573		mg/L	500	73.6	99.9	90-110			
Sulfate	877		"	500	411	93.2	90-110			

Matrix Spike Dup (B5D2305-MSD1)

Source: E5D0601-01

Prepared: 04/23/2025 Analyzed: 04/24/2025

Chloride	563		mg/L	500	73.6	97.9	90-110	1.74	5	
Sulfate	854		"	500	411	88.6	90-110	2.70	5	QM-07

Batch B5D2315 - DTPA Sorbitol Preparation

Blank (B5D2315-BLK1)

Prepared: 04/23/2025 Analyzed: 04/24/2025

Boron	ND	0.100	mg/L							U
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Duplicate (B5D2315-DUP1)

Source: E5D0614-03

Prepared: 04/23/2025 Analyzed: 04/24/2025

Boron	0.220	0.0999	mg/L		0.219			0.322	50	
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Batch B5D2324 - NO PREP

Blank (B5D2324-BLK1)

Prepared: 04/23/2025 Analyzed: 04/28/2025

Total Dissolved Solids	ND	5.00	mg/L							U
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Kayla Kenyon For Jen Pellegrini, Project Manager



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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2324 - NO PREP

LCS (B5D2324-BS1)

Prepared: 04/23/2025 Analyzed: 04/28/2025

Total Dissolved Solids	1020	5.00	mg/L	1010	101	90-110
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Duplicate (B5D2324-DUP1)

Source: E5D0568-10

Prepared: 04/23/2025 Analyzed: 04/28/2025

Total Dissolved Solids	390	5.00	mg/L	400	2.53	10
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Batch B5D2561 - Saturated Paste Metals

Blank (B5D2561-BLK1)

Prepared: 04/25/2025 Analyzed: 05/01/2025

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

Duplicate (B5D2561-DUP1)

Source: E5D0613-05

Prepared: 04/25/2025 Analyzed: 05/01/2025

Calcium PPM	43.3	10.0	mg/L	63.6	38.1	50
SAR	ND	0.0100	SAR	0.203	200	U
Magnesium PPM	15.6	10.0	mg/L	27.0	53.8	50 QR-DUP
Sodium PPM	6.74	10.0	"	7.67	12.9	50 U

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2354 - EPA 3580

Blank (B5D2354-BLK1)

Prepared: 04/23/2025 Analyzed: 04/26/2025

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	190		ug/kg	200		93.9	60-130			
Surrogate: Anthracene-d10	200		"	200		98.0	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

LCS (B5D2354-BS1)

Prepared: 04/23/2025 Analyzed: 04/26/2025

1-Methylnaphthalene	0.200	0.002	mg/kg	0.200		99.8	70-130			
2-Methylnaphthalene	0.196	0.002	"	0.200		98.0	70-130			
Acenaphthene	0.207	0.020	"	0.200		103	70-130			
Anthracene	0.181	0.020	"	0.200		90.6	70-130			
Benzo (a) anthracene	0.219	0.005	"	0.200		109	70-130			
Benzo (a) pyrene	0.218	0.020	"	0.200		109	70-130			

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2354 - EPA 3580

LCS (B5D2354-BS1)

Prepared: 04/23/2025 Analyzed: 04/26/2025

Benzo (b) fluoranthene	0.225	0.020	mg/kg	0.200		112	70-130			
Benzo (k) fluoranthene	0.207	0.020	"	0.200		104	70-130			
Chrysene	0.203	0.020	"	0.200		102	70-130			
Dibenz (a,h) anthracene	0.231	0.020	"	0.200		115	70-130			
Fluoranthene	0.216	0.020	"	0.200		108	70-130			
Fluorene	0.198	0.020	"	0.200		98.8	70-130			
Indeno (1,2,3-cd) pyrene	0.210	0.020	"	0.200		105	70-130			
Naphthalene	0.207	0.002	"	0.200		104	70-130			
Pyrene	0.217	0.020	"	0.200		109	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		93.7	60-130			
Surrogate: Anthracene-d10	190		"	200		95.8	60-130			
Surrogate: Pyrene-d10	200		"	200		98.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike (B5D2354-MS1)

Source: E5D0610-01

Prepared: 04/23/2025 Analyzed: 04/26/2025

1-Methylnaphthalene	0.198	0.002	mg/kg	0.200	0.002	98.2	70-130			
2-Methylnaphthalene	0.193	0.002	"	0.200	ND	96.3	70-130			
Acenaphthene	0.204	0.020	"	0.200	ND	102	70-130			
Anthracene	0.196	0.020	"	0.200	ND	98.1	70-130			
Benzo (a) anthracene	0.218	0.005	"	0.200	0.001	108	70-130			
Benzo (a) pyrene	0.221	0.020	"	0.200	0.002	110	70-130			
Benzo (b) fluoranthene	0.234	0.020	"	0.200	0.002	116	70-130			
Benzo (k) fluoranthene	0.232	0.020	"	0.200	0.003	115	70-130			
Chrysene	0.200	0.020	"	0.200	0.002	99.0	70-130			
Dibenz (a,h) anthracene	0.232	0.020	"	0.200	0.005	114	70-130			
Fluoranthene	0.216	0.020	"	0.200	0.0007	108	70-130			
Fluorene	0.194	0.020	"	0.200	ND	96.8	70-130			

Origins Laboratory

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

Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2354 - EPA 3580

Matrix Spike (B5D2354-MS1)

Source: E5D0610-01

Prepared: 04/23/2025 Analyzed: 04/26/2025

Indeno (1,2,3-cd) pyrene	0.221	0.020	mg/kg	0.200	0.006	108	70-130			
Naphthalene	0.207	0.002	"	0.200	ND	104	70-130			
Pyrene	0.213	0.020	"	0.200	ND	107	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		92.7	60-130			
Surrogate: Anthracene-d10	180		"	200		87.8	60-130			
Surrogate: Pyrene-d10	200		"	200		98.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike Dup (B5D2354-MSD1)

Source: E5D0610-01

Prepared: 04/23/2025 Analyzed: 04/26/2025

1-Methylnaphthalene	0.198	0.002	mg/kg	0.200	0.002	98.4	70-130	0.197	20	
2-Methylnaphthalene	0.193	0.002	"	0.200	ND	96.6	70-130	0.313	20	
Acenaphthene	0.203	0.020	"	0.200	ND	102	70-130	0.354	20	
Anthracene	0.182	0.020	"	0.200	ND	91.1	70-130	7.38	20	
Benzo (a) anthracene	0.206	0.005	"	0.200	0.001	102	70-130	5.77	20	
Benzo (a) pyrene	0.224	0.020	"	0.200	0.002	111	70-130	1.02	20	
Benzo (b) fluoranthene	0.229	0.020	"	0.200	0.002	113	70-130	2.20	20	
Benzo (k) fluoranthene	0.214	0.020	"	0.200	0.003	106	70-130	8.17	20	
Chrysene	0.201	0.020	"	0.200	0.002	99.7	70-130	0.670	20	
Dibenz (a,h) anthracene	0.234	0.020	"	0.200	0.005	115	70-130	0.763	20	
Fluoranthene	0.217	0.020	"	0.200	0.0007	108	70-130	0.350	20	
Fluorene	0.193	0.020	"	0.200	ND	96.5	70-130	0.276	20	
Indeno (1,2,3-cd) pyrene	0.209	0.020	"	0.200	0.006	102	70-130	5.74	20	
Naphthalene	0.204	0.002	"	0.200	ND	102	70-130	1.63	20	
Pyrene	0.214	0.020	"	0.200	ND	107	70-130	0.470	20	
Surrogate: Fluorene-d10	190		ug/kg	200		93.0	60-130			
Surrogate: Anthracene-d10	180		"	200		92.0	60-130			
Surrogate: Pyrene-d10	200		"	200		98.0	60-130			

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Jeremy Espinoza
Project Number: 09A14171096
Project: KMG - Herman L 32-14 Wellhead

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2354 - EPA 3580

Matrix Spike Dup (B5D2354-MSD1)

Source: E5D0610-01

Prepared: 04/23/2025 Analyzed: 04/26/2025

Surrogate: Benzo (a) pyrene-d12	200		ug/kg	200		101	60-130			
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Kayla Kenyon For Jen Pellegrini, Project Manager



Ensolum
 11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2302 - EPA 3550B

Blank (B5D2302-BLK1)

Prepared: 04/23/2025 Analyzed: 04/23/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		86.6	50-150			

LCS (B5D2302-BS1)

Prepared: 04/23/2025 Analyzed: 04/23/2025

Diesel (C10-C28)	890	50.0	mg/kg	1000		89.0	70-130			
Residual Range Organics (C28-C40)	976	200	"	1000		97.6	70-130			
Surrogate: o-Terphenyl	48		"	49.8		97.3	50-150			

Matrix Spike (B5D2302-MS1)

Source: E5D0587-01

Prepared: 04/23/2025 Analyzed: 04/23/2025

Diesel (C10-C28)	880	50.0	mg/kg	1000	ND	88.0	70-130			
Residual Range Organics (C28-C40)	926	200	"	1000	ND	92.6	70-130			
Surrogate: o-Terphenyl	43		"	49.8		85.9	50-150			

Matrix Spike Dup (B5D2302-MSD1)

Source: E5D0587-01

Prepared: 04/23/2025 Analyzed: 04/23/2025

Diesel (C10-C28)	834	50.0	mg/kg	1000	ND	83.4	70-130	5.46	35	
Residual Range Organics (C28-C40)	905	200	"	1000	ND	90.5	70-130	2.28	35	
Surrogate: o-Terphenyl	59		"	49.8		118	50-150			

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2339 - EPA 3050B

Blank (B5D2339-BLK1)

Prepared: 04/23/2025 Analyzed: 04/24/2025

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

LCS (B5D2339-BS1)

Prepared: 04/23/2025 Analyzed: 04/24/2025

Arsenic	5.04	0.290	mg/kg	5.00		101	80-120			
Barium	543	10.0	"	500		109	80-120			
Cadmium	5.21	0.100	"	5.00		104	80-120			
Copper	48.6	10.0	"	50.0		97.2	80-120			
Lead	5.39	1.00	"	5.00		108	80-120			
Nickel	5.03	1.00	"	5.00		101	80-120			
Selenium	4.77	0.260	"	5.00		95.5	80-120			
Silver	5.26	0.100	"	5.00		105	80-120			
Zinc	49.7	37.0	"	50.0		99.4	80-120			

Matrix Spike (B5D2339-MS1)

Source: E5D0613-01

Prepared: 04/23/2025 Analyzed: 04/24/2025

Arsenic	8.34	0.263	mg/kg	4.53	3.67	103	75-125			
Barium	601	9.06	"	453	104	110	75-125			
Cadmium	4.87	0.0906	"	4.53	0.232	102	75-125			
Copper	54.1	9.06	"	45.3	11.0	95.2	75-125			
Lead	16.5	0.906	"	4.53	12.3	92.9	75-125			

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 Wheat Ridge CO 80033

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 Project Number: 09A14171096
 Project: KMG - Herman L 32-14 Wellhead

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2339 - EPA 3050B

Matrix Spike (B5D2339-MS1)

Source: E5D0613-01

Prepared: 04/23/2025 Analyzed: 04/24/2025

Nickel	13.6	0.906	mg/kg	4.53	9.25	96.3	75-125			
Selenium	4.66	0.236	"	4.53	0.266	97.0	75-125			
Silver	4.67	0.0906	"	4.53	0.0441	102	75-125			
Zinc	89.4	33.5	"	45.3	46.5	94.6	75-125			

Matrix Spike Dup (B5D2339-MSD1)

Source: E5D0613-01

Prepared: 04/23/2025 Analyzed: 04/24/2025

Arsenic	8.11	0.262	mg/kg	4.51	3.67	98.5	75-125	2.75	20	
Barium	595	9.02	"	451	104	109	75-125	1.08	20	
Cadmium	4.79	0.0902	"	4.51	0.232	101	75-125	1.80	20	
Copper	56.6	9.02	"	45.1	11.0	101	75-125	4.63	20	
Lead	17.7	0.902	"	4.51	12.3	119	75-125	6.91	20	
Nickel	14.3	0.902	"	4.51	9.25	112	75-125	5.07	20	
Selenium	4.35	0.235	"	4.51	0.266	90.5	75-125	6.89	20	
Silver	4.53	0.0902	"	4.51	0.0441	99.5	75-125	3.11	20	
Zinc	92.6	33.4	"	45.1	46.5	102	75-125	3.56	20	

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Kayla Kenyon For Jen Pellegrini, Project Manager



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Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2564 - Saturated Paste pH/EC

Blank (B5D2564-BLK1)

Prepared: 04/25/2025 Analyzed: 04/30/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5D2564-DUP1)

Source: E5D0613-05

Prepared: 04/25/2025 Analyzed: 04/30/2025

pH	7.61		pH Units		7.70			1.18	25	
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Specific Conductance (EC)	0.897	0.00500	mmhos/cm		1.15			24.5	25	
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Batch B5D3056 - Saturated Paste pH/EC

Duplicate (B5D3056-DUP1)

Source: E5D0603-01

Prepared: 04/30/2025 Analyzed: 05/02/2025

pH	8.15		pH Units		8.15			0.00	25	
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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2238 - EPA 5030 (soil)

Blank (B5D2238-BLK1)

Prepared: 04/22/2025 Analyzed: 04/23/2025

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
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.19		"	0.125		151	70-130			S-GC
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		124	70-130			

LCS (B5D2238-BS1)

Prepared: 04/22/2025 Analyzed: 04/23/2025

1,2,4-Trimethylbenzene	0.114	0.00200	mg/kg	0.100		114	70-130			
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Benzene	0.0965	0.00200	"	0.100		96.5	70-130			
Ethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Toluene	0.0992	0.00200	"	0.100		99.2	70-130			
o-Xylene	0.101	0.00200	"	0.100		101	70-130			
m,p-Xylene	0.203	0.00400	"	0.200		101	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.19		"	0.125		149	70-130			S-GC
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		115	70-130			

Matrix Spike (B5D2238-MS1)

Source: E5D0604-01

Prepared: 04/22/2025 Analyzed: 04/23/2025

1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100	ND	108	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130			
Benzene	0.0996	0.00200	"	0.100	ND	99.6	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2238 - EPA 5030 (soil)

Matrix Spike (B5D2238-MS1)

Source: E5D0604-01

Prepared: 04/22/2025 Analyzed: 04/23/2025

Ethylbenzene	0.106	0.00200	mg/kg	0.100	ND	106	70-130			
Toluene	0.105	0.00200	"	0.100	0.00166	103	70-130			
o-Xylene	0.103	0.00200	"	0.100	ND	103	70-130			
m,p-Xylene	0.198	0.00400	"	0.200	ND	98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.18		"	0.125		146	70-130			S-GC
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Matrix Spike Dup (B5D2238-MSD1)

Source: E5D0604-01

Prepared: 04/22/2025 Analyzed: 04/23/2025

1,2,4-Trimethylbenzene	0.126	0.00200	mg/kg	0.100	ND	126	70-130	15.5	20	
1,3,5-Trimethylbenzene	0.124	0.00200	"	0.100	ND	124	70-130	15.1	20	
Benzene	0.124	0.00200	"	0.100	ND	124	70-130	21.9	20	QR-02
Ethylbenzene	0.132	0.00200	"	0.100	ND	132	70-130	22.2	20	QM-07
Toluene	0.0913	0.00200	"	0.100	0.00166	89.6	70-130	13.5	20	
o-Xylene	0.125	0.00200	"	0.100	ND	125	70-130	19.0	20	
m,p-Xylene	0.249	0.00400	"	0.200	ND	124	70-130	22.9	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.22		"	0.125		174	70-130			S-GC
Surrogate: Toluene-d8	0.11		"	0.125		84.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		120	70-130			

Batch B5D2303 - EPA 5030B (Water)

Blank (B5D2303-BLK1)

Prepared: 04/23/2025 Analyzed: 04/23/2025

Benzene	ND	1.00	ug/L							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2303 - EPA 5030B (Water)

Blank (B5D2303-BLK1)

Prepared: 04/23/2025 Analyzed: 04/23/2025

Surrogate: 1,2-Dichloroethane-d4	65		ug/L	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	55		"	62.5		88.1	70-130			

LCS (B5D2303-BS1)

Prepared: 04/23/2025 Analyzed: 04/23/2025

Benzene	44.2	1.00	ug/L	50.0		88.5	70-130			
Ethylbenzene	53.8	1.00	"	50.0		108	70-130			
m,p-Xylene	108	2.00	"	100		108	70-130			
Naphthalene	43.0	2.00	"	50.0		86.1	70-130			
o-Xylene	48.7	1.00	"	50.0		97.4	70-130			
Toluene	40.5	1.00	"	50.0		81.1	70-130			

Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	55		"	62.5		88.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.9	70-130			

Matrix Spike (B5D2303-MS1)

Source: E5D0600-01

Prepared: 04/23/2025 Analyzed: 04/24/2025

Benzene	40.6	1.00	ug/L	50.0	ND	81.2	70-130			
Ethylbenzene	43.8	1.00	"	50.0	ND	87.5	70-130			
m,p-Xylene	96.5	2.00	"	100	ND	96.5	70-130			
Naphthalene	40.8	2.00	"	50.0	ND	81.7	70-130			
o-Xylene	42.2	1.00	"	50.0	ND	84.5	70-130			
Toluene	63.1	1.00	"	50.0	ND	126	70-130			

Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.7	70-130			
Surrogate: Toluene-d8	82		"	62.5		131	70-130			S-GC
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Matrix Spike Dup (B5D2303-MSD1)

Source: E5D0600-01

Prepared: 04/23/2025 Analyzed: 04/23/2025

Benzene	47.8	1.00	ug/L	50.0	ND	95.5	70-130	16.1	20	
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 Project: KMG - Herman L 32-14 Wellhead

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2303 - EPA 5030B (Water)

Matrix Spike Dup (B5D2303-MSD1)

Source: E5D0600-01

Prepared: 04/23/2025 Analyzed: 04/23/2025

Ethylbenzene	44.8	1.00	ug/L	50.0	ND	89.6	70-130	2.35	20	
m,p-Xylene	91.6	2.00	"	100	ND	91.6	70-130	5.19	20	
Naphthalene	41.0	2.00	"	50.0	ND	82.0	70-130	0.415	20	
o-Xylene	40.2	1.00	"	50.0	ND	80.4	70-130	4.88	20	
Toluene	54.6	1.00	"	50.0	ND	109	70-130	14.5	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	69		"	62.5		111	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

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Kayla Kenyon For Jen Pellegrini, Project Manager



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**Total Metals by 7199 - Quality Control
 Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIE0287 - No Prep IC-WET

Blank (BIE0287-BLK1)

Prepared: 05/07/2025 Analyzed: 05/07/2025

Chromium, Hexavalent ND 0.20 mg/kg

LCS (BIE0287-BS1)

Prepared: 05/07/2025 Analyzed: 05/07/2025

Chromium, Hexavalent 2.30 0.21 mg/kg 2.07 111 80-120

Matrix Spike (BIE0287-MS1)

Source: 25D2202-03

Prepared: 05/07/2025 Analyzed: 05/07/2025

Chromium, Hexavalent 2.29 0.20 mg/kg 2.02 ND 114 75-125

Matrix Spike Dup (BIE0287-MSD1)

Source: 25D2202-03

Prepared: 05/07/2025 Analyzed: 05/07/2025

Chromium, Hexavalent 2.15 0.20 mg/kg 2.01 ND 107 75-125 6.26 20

Batch BIE0288 - No Prep IC-WET

Blank (BIE0288-BLK1)

Prepared: 05/07/2025 Analyzed: 05/08/2025

Chromium, Hexavalent ND 0.005 mg/kg

LCS (BIE0288-BS1)

Prepared: 05/07/2025 Analyzed: 05/08/2025

Chromium, Hexavalent 0.05 0.005 mg/kg 0.0500 96.4 80-120

LCS (BIE0288-BS2)

Prepared: 05/07/2025 Analyzed: 05/08/2025

Chromium, Hexavalent 6.48 1.00 mg/kg 8.08 80.2 80-120

Matrix Spike (BIE0288-MS1)

Source: 25D2237-03

Prepared: 05/07/2025 Analyzed: 05/09/2025

Chromium, Hexavalent 1.87 0.19 mg/kg 1.94 0.11 90.8 75-125

Matrix Spike Dup (BIE0288-MSD1)

Source: 25D2237-03

Prepared: 05/07/2025 Analyzed: 05/09/2025

Chromium, Hexavalent 1.87 0.20 mg/kg 2.05 0.11 86.1 75-125 0.111 20

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Notes and Definitions

- U Sample is Non-Detect.
 - S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
 - QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.
 - QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
 - 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 The reported result is an estimated value.
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

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