



Ensolum

March 23, 2026

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Bright 24-4 Wellhead

Project Number - 09A14171189

Attached are your analytical results for KMG - Bright 24-4 Wellhead received by Origins Laboratory March 02, 2026. This project is associated with Origins project number DJC0043-01.

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.

The laboratory is TNI accredited by the Utah DHHS ELAP under certificate number CO010822024.

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





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

Jeremy Espinoza
Project Number: 09A14171189
Project: KMG - Bright 24-4 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-Riser(24-4)@4'	DJC0043-01	Soil	March 2, 2026 12:47	03/02/2026 16:28

Origins Laboratory

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Enthalpy Analytical

F-012207-01-R1

Sample Receipt Checklist

Enthalpy Work Order: D3C0043 Client: Ensolium
 Checklist Completed by: NB/NKM Client Project ID: Bright 24-4 WH
 Date/Time Completed: 03/03/20 Shipped Via: HD
 Matrix(es) Received: X Soil/Soild _____ Water _____
 Thermometer ID(s): T004 Other: _____
 Temperature as read(°C): 1.9 _____
 Temperature as reported (°C): 3.0 _____

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

Jack H 3/4/20
 Reviewed by (Project Manager) Date/Time Reviewed



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WH-Riser(24-4)@4'
3/2/2026 12:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0043-01 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	0.21	0.09	0.23	mg/kg dry	1	BJC0661	03/12/2026	03/20/2026	J
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.628		0.114	mg/L dry	1	6C04032	03/04/2026	03/06/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		28.6	mg/kg dry	1	6C03061	03/03/2026	03/04/2026	U
Residual Range Organics (C28-C36)	ND		114	"	"	"	"	"	U
Surrogate: o-Terphenyl	83.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	6C04072	03/04/2026	03/04/2026	U
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	U
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	ND		0.002	"	"	"	"	"	U
Xylenes, total	ND		0.002	"	"	"	"	"	U

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WH-Riser(24-4)@4'
3/2/2026 12:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0043-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.228	mg/kg dry	1	6C04072	03/04/2026	03/04/2026	U
Surrogate: 1,2-Dichloroethane-d4	111 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	119 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.88		0.499	meq/L	10	[CALC]	03/04/2026	03/09/2026	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.20		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	6C03070	03/03/2026	03/04/2026	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.022	"	"	"	"	"	U
Anthracene	ND		0.022	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.022	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.022	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.022	"	"	"	"	"	U

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3/2/2026 12:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0043-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.022	mg/kg dry	1	6C03070	03/03/2026	03/04/2026	U
Dibenz (a,h) anthracene	ND		0.022	"	"	"	"	"	U
Fluoranthene	ND		0.022	"	"	"	"	"	U
Fluorene	ND		0.022	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.022	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.022	"	"	"	"	"	U

Surrogate: Fluorene-d10	103 %				70-130	"	"	"	
Surrogate: Anthracene-d10	96.5 %				70-130	"	"	"	
Surrogate: Pyrene-d10	105 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.6 %				70-130	"	"	"	

Percent Solids

Total Solids, Percent	87.8			mass percent	1	6C03085	03/03/2026	03/03/2026	
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pH in Soil by 9045D

pH	8.20			pH Units	1	6C04058	03/04/2026	03/09/2026	
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SAR by 20B Saturated Paste

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3/2/2026 12:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0043-01 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	1.91		0.0100	SAR	1	6C04045	03/04/2026	03/09/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.764		0.00500	mmhos/cm	1	6C04058	"	03/09/2026	
Table 915 metals by EPA 6020B									
Arsenic	2.49		0.229	mg/kg dry	10	6C03092	03/03/2026	03/06/2026	
Barium	97.7		64.6	"	"	"	"	"	
Cadmium	ND		0.299	"	"	"	"	"	U
Copper	ND		36.2	"	"	"	"	"	U
Lead	27.2		11.0	"	"	"	"	"	
Nickel	ND		20.5	"	"	"	"	"	U
Selenium	0.254		0.194	"	"	"	"	"	
Silver	ND		0.630	"	"	"	"	"	U
Zinc	ND		291	"	"	"	"	"	U

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***** DEFAULT GENERAL METHOD *** - 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 6C03085 - % Solids

Duplicate (6C03085-DUP1)

Source: DJC0035-01

Prepared: 03/03/2026 Analyzed: 03/03/2026

Total Solids, Percent	88.5		mass percent		89.0			0.588	20	
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Duplicate (6C03085-DUP2)

Source: DJC0035-02

Prepared: 03/03/2026 Analyzed: 03/03/2026

Total Solids, Percent	88.7		mass percent		89.1			0.397	20	
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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 6C04032 - DTPA Sorbitol Preparation

Blank (6C04032-BLK1)

Prepared: 03/04/2026 Analyzed: 03/06/2026

(DTPA Sorbitol) Boron	ND	0.100	mg/L wet							U
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Duplicate (6C04032-DUP1)

Source: DJC0038-05

Prepared: 03/04/2026 Analyzed: 03/06/2026

(DTPA Sorbitol) Boron	0.0576	0.104	mg/L dry		0.0484			17.5	50	U
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Batch 6C04045 - Saturated Paste Metals

Blank (6C04045-BLK1)

Prepared: 03/04/2026 Analyzed: 03/09/2026

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 (6C04045-DUP1)

Source: DJC0038-08

Prepared: 03/04/2026 Analyzed: 03/09/2026

Calcium PPM	4.91	10.0	mg/L		3.35			37.8	50	U
SAR	ND	0.0100	SAR		0.948				200	U
Magnesium PPM	1.42	10.0	mg/L		1.10			25.4	50	U
Sodium PPM	10.4	10.0	"		7.82			28.8	50	U

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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 6C03070 - EPA 3580

Blank (6C03070-BLK1)

Prepared: 03/03/2026 Analyzed: 03/04/2026

1-Methylnaphthalene	ND	0.002	mg/kg wet							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	210		ug/kg	200	106	70-130				
Surrogate: Anthracene-d10	180		"	200	90.3	70-130				
Surrogate: Pyrene-d10	200		"	200	98.5	70-130				
Surrogate: Benzo (a) pyrene-d12	180		"	200	91.4	70-130				

LCS (6C03070-BS1)

Prepared: 03/03/2026 Analyzed: 03/04/2026

1-Methylnaphthalene	0.207	0.002	mg/kg wet	0.202	103	70-130				
2-Methylnaphthalene	0.203	0.002	"	0.202	101	70-130				
Acenaphthene	0.191	0.020	"	0.202	94.6	70-130				
Anthracene	0.186	0.020	"	0.202	92.3	70-130				
Benzo (a) anthracene	0.195	0.005	"	0.202	96.5	70-130				
Benzo (a) pyrene	0.203	0.020	"	0.202	100	70-130				

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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 6C03070 - EPA 3580

LCS (6C03070-BS1)

Prepared: 03/03/2026 Analyzed: 03/04/2026

Benzo (b) fluoranthene	0.198	0.020	mg/kg wet	0.202		98.4	70-130			
Benzo (g,h,i) perylene	0.194	0.020	"	0.202		96.3	70-130			
Benzo (k) fluoranthene	0.194	0.020	"	0.202		96.2	70-130			
Chrysene	0.196	0.020	"	0.202		97.4	70-130			
Dibenz (a,h) anthracene	0.187	0.020	"	0.202		92.7	70-130			
Fluoranthene	0.197	0.020	"	0.202		97.6	70-130			
Fluorene	0.197	0.020	"	0.202		97.8	70-130			
Indeno (1,2,3-cd) pyrene	0.194	0.020	"	0.202		96.4	70-130			
Naphthalene	0.201	0.002	"	0.202		99.8	70-130			
Phenanthrene	0.183	0.020	"	0.202		90.5	70-130			
Pyrene	0.196	0.020	"	0.202		97.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	70-130			
Surrogate: Anthracene-d10	190		"	200		92.7	70-130			
Surrogate: Pyrene-d10	190		"	200		96.1	70-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	70-130			

Matrix Spike (6C03070-MS1)

Source: DJC0035-26

Prepared: 03/03/2026 Analyzed: 03/04/2026

1-Methylnaphthalene	0.217	0.002	mg/kg dry	0.211	ND	103	70-130			
2-Methylnaphthalene	0.211	0.002	"	0.211	ND	99.8	70-130			
Acenaphthene	0.214	0.021	"	0.211	ND	101	70-130			
Anthracene	0.184	0.021	"	0.211	ND	87.2	70-130			
Benzo (a) anthracene	0.217	0.005	"	0.211	ND	103	70-130			
Benzo (a) pyrene	0.211	0.021	"	0.211	0.002	98.9	70-130			
Benzo (b) fluoranthene	0.199	0.021	"	0.211	0.001	93.3	70-130			
Benzo (g,h,i) perylene	0.200	0.021	"	0.211	0.002	93.3	70-130			
Benzo (k) fluoranthene	0.181	0.021	"	0.211	0.001	85.3	70-130			
Chrysene	0.220	0.021	"	0.211	0.001	103	70-130			

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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 6C03070 - EPA 3580

Matrix Spike (6C03070-MS1)

Source: DJC0035-26

Prepared: 03/03/2026 Analyzed: 03/04/2026

Dibenz (a,h) anthracene	0.211	0.021	mg/kg dry	0.211	0.003	98.3	70-130			
Fluoranthene	0.201	0.021	"	0.211	ND	95.1	70-130			
Fluorene	0.234	0.021	"	0.211	ND	111	70-130			
Indeno (1,2,3-cd) pyrene	0.204	0.021	"	0.211	0.003	94.9	70-130			
Naphthalene	0.223	0.002	"	0.211	ND	105	70-130			
Phenanthrene	0.196	0.021	"	0.211	ND	92.7	70-130			
Pyrene	0.201	0.021	"	0.211	ND	94.9	70-130			
Surrogate: Fluorene-d10	220		ug/kg	200		110	70-130			
Surrogate: Anthracene-d10	180		"	200		88.4	70-130			
Surrogate: Pyrene-d10	180		"	200		92.2	70-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.1	70-130			

Matrix Spike Dup (6C03070-MSD1)

Source: DJC0035-26

Prepared: 03/03/2026 Analyzed: 03/04/2026

1-Methylnaphthalene	0.218	0.002	mg/kg dry	0.210	ND	104	70-130	0.509	35	
2-Methylnaphthalene	0.216	0.002	"	0.210	ND	103	70-130	2.50	35	
Acenaphthene	0.217	0.021	"	0.210	ND	103	70-130	1.31	35	
Anthracene	0.191	0.021	"	0.210	ND	91.1	70-130	3.77	35	
Benzo (a) anthracene	0.234	0.005	"	0.210	ND	111	70-130	7.66	35	
Benzo (a) pyrene	0.213	0.021	"	0.210	0.002	101	70-130	0.957	35	
Benzo (b) fluoranthene	0.204	0.021	"	0.210	0.001	96.6	70-130	2.80	35	
Benzo (g,h,i) perylene	0.197	0.021	"	0.210	0.002	92.5	70-130	1.36	35	
Benzo (k) fluoranthene	0.203	0.021	"	0.210	0.001	96.1	70-130	11.3	35	
Chrysene	0.222	0.021	"	0.210	0.001	105	70-130	1.14	35	
Dibenz (a,h) anthracene	0.212	0.021	"	0.210	0.003	99.3	70-130	0.327	35	
Fluoranthene	0.211	0.021	"	0.210	ND	101	70-130	5.11	35	
Fluorene	0.233	0.021	"	0.210	ND	111	70-130	0.648	35	
Indeno (1,2,3-cd) pyrene	0.203	0.021	"	0.210	0.003	95.1	70-130	0.401	35	

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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 6C03070 - EPA 3580

Matrix Spike Dup (6C03070-MSD1)

Source: DJC0035-26

Prepared: 03/03/2026 Analyzed: 03/04/2026

Naphthalene	0.224	0.002	mg/kg dry	0.210	ND	107	70-130	0.534	35	
Phenanthrene	0.200	0.021	"	0.210	ND	95.2	70-130	2.00	35	
Pyrene	0.209	0.021	"	0.210	ND	99.7	70-130	4.29	35	
Surrogate: Fluorene-d10	220		ug/kg	200		111	70-130			
Surrogate: Anthracene-d10	180		"	200		89.9	70-130			
Surrogate: Pyrene-d10	190		"	200		94.7	70-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		97.8	70-130			

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

Jeremy Espinoza
 Project Number: 09A14171189
 Project: KMG - Bright 24-4 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 6C03061 - EPA 3550B

Prepared: 03/03/2026 Analyzed: 03/04/2026

Blank (6C03061-BLK1)

Diesel (C10-C28)	ND	25.0	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	99.9	"							U
Surrogate: o-Terphenyl	23		"	24.9		90.6	50-150			

LCS (6C03061-BS1)

Prepared: 03/03/2026 Analyzed: 03/04/2026

Diesel (C10-C28)	936	50.7	mg/kg wet	1010		92.3	70-130			
Residual Range Organics (C28-C36)	837	203	"	1010		82.5	70-130			
Surrogate: o-Terphenyl	53		"	50.5		105	50-150			

Matrix Spike (6C03061-MS1)

Source: DJC0035-28

Prepared: 03/03/2026 Analyzed: 03/04/2026

Diesel (C10-C28)	993	51.3	mg/kg dry	1030	ND	96.9	70-130			
Residual Range Organics (C28-C36)	893	205	"	1030	ND	87.1	70-130			
Surrogate: o-Terphenyl	52		"	51.0		102	50-150			

Matrix Spike Dup (6C03061-MSD1)

Source: DJC0035-28

Prepared: 03/03/2026 Analyzed: 03/04/2026

Diesel (C10-C28)	958	52.3	mg/kg dry	1050	ND	91.6	70-130	3.63	35	
Residual Range Organics (C28-C36)	861	209	"	1050	ND	82.4	70-130	3.57	35	
Surrogate: o-Terphenyl	54		"	52.0		103	50-150			

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 Project: KMG - Bright 24-4 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 6C03092 - EPA 3050B

Prepared: 03/03/2026 Analyzed: 03/05/2026

Blank (6C03092-BLK1)

Arsenic	ND	0.218	mg/kg wet							U
Barium	ND	61.5	"							U
Cadmium	ND	0.285	"							U
Copper	ND	34.5	"							U
Lead	ND	10.5	"							U
Nickel	ND	19.5	"							U
Selenium	ND	0.184	"							U
Silver	ND	0.600	"							U
Zinc	ND	278	"							U

LCS (6C03092-BS1)

Prepared: 03/03/2026 Analyzed: 03/05/2026

Arsenic	4.96	0.218	mg/kg wet	5.00		99.3	80-120			
Barium	493	61.5	"	500		98.6	80-120			
Cadmium	4.89	0.285	"	5.00		97.9	80-120			
Copper	47.7	34.5	"	50.0		95.3	80-120			
Lead	4.94	10.5	"	5.00		98.7	80-120			U
Nickel	4.71	19.5	"	5.00		94.1	80-120			U
Selenium	5.15	0.184	"	5.00		103	80-120			
Silver	4.79	0.600	"	5.00		95.7	80-120			
Zinc	47.7	278	"	50.0		95.3	80-120			U

Matrix Spike (6C03092-MS1)

Source: DJC0038-11

Prepared: 03/03/2026 Analyzed: 03/05/2026

Arsenic	6.18	0.216	mg/kg dry	4.95	1.69	90.8	75-125			
Barium	534	60.9	"	495	47.6	98.3	75-125			
Cadmium	4.94	0.282	"	4.95	0.0525	98.7	75-125			
Copper	51.5	34.1	"	49.5	3.37	97.2	75-125			
Lead	9.02	10.4	"	4.95	4.24	96.5	75-125			U

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C03092 - EPA 3050B

Matrix Spike (6C03092-MS1)

Source: DJC0038-11

Prepared: 03/03/2026 Analyzed: 03/05/2026

Nickel	8.56	19.3	mg/kg dry	4.95	3.64	99.4	75-125			U
Selenium	4.79	0.183	"	4.95	0.0986	94.8	75-125			
Silver	4.61	0.594	"	4.95	0.00995	93.0	75-125			
Zinc	65.1	275	"	49.5	17.5	96.2	75-125			U

Matrix Spike Dup (6C03092-MSD1)

Source: DJC0038-11

Prepared: 03/03/2026 Analyzed: 03/05/2026

Arsenic	6.29	0.215	mg/kg dry	4.93	1.69	93.3	75-125	1.75	20	
Barium	529	60.7	"	493	47.6	97.5	75-125	0.967	20	
Cadmium	4.95	0.281	"	4.93	0.0525	99.2	75-125	0.179	20	
Copper	51.6	34.0	"	49.3	3.37	97.6	75-125	0.143	20	
Lead	9.17	10.4	"	4.93	4.24	99.9	75-125	1.69	20	U
Nickel	8.44	19.2	"	4.93	3.64	97.3	75-125	1.36	20	U
Selenium	4.46	0.182	"	4.93	0.0986	88.4	75-125	7.20	20	
Silver	4.76	0.592	"	4.93	0.00995	96.2	75-125	3.03	20	
Zinc	64.1	274	"	49.3	17.5	94.5	75-125	1.51	20	U

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Jeremy Espinoza
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 Project: KMG - Bright 24-4 Wellhead

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 6C04058 - Saturated Paste pH/EC

Blank (6C04058-BLK1)

Prepared: 03/04/2026 Analyzed: 03/09/2026

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (6C04058-DUP1)

Source: DJC0038-08

Prepared: 03/04/2026 Analyzed: 03/09/2026

pH	7.40		pH Units		7.44			0.539	25	
Specific Conductance (EC)	0.105	0.00500	mmhos/cm		0.103			2.50	25	

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Ensolium
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Jeremy Espinoza
 Project Number: 09A14171189
 Project: KMG - Bright 24-4 Wellhead

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 6C04072 - EPA 5030 (soil)

Prepared: 03/04/2026 Analyzed: 03/04/2026

Blank (6C04072-BLK1)

1,2,4-Trimethylbenzene	ND	0.002	mg/kg wet							U
1,3,5-Trimethylbenzene	ND	0.002	"							U
Benzene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

LCS (6C04072-BS1)

Prepared: 03/04/2026 Analyzed: 03/04/2026

1,2,4-Trimethylbenzene	0.109	0.002	mg/kg wet	0.100		109	70-130			
1,3,5-Trimethylbenzene	0.110	0.002	"	0.100		110	70-130			
Benzene	0.114	0.002	"	0.100		114	70-130			
Ethylbenzene	0.115	0.002	"	0.100		115	70-130			
Naphthalene	0.099	0.004	"	0.100		99.0	70-130			
Toluene	0.113	0.002	"	0.100		113	70-130			
o-Xylene	0.111	0.002	"	0.100		111	70-130			
m,p-Xylene	0.228	0.004	"	0.200		114	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Matrix Spike (6C04072-MS1)

Source: DJC0042-01

Prepared: 03/04/2026 Analyzed: 03/04/2026

1,2,4-Trimethylbenzene	0.101	0.002	mg/kg dry	0.108	ND	93.1	70-130			
1,3,5-Trimethylbenzene	0.100	0.002	"	0.108	ND	92.4	70-130			

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Jeremy Espinoza
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 Project: KMG - Bright 24-4 Wellhead

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 6C04072 - EPA 5030 (soil)

Matrix Spike (6C04072-MS1)		Source: DJC0042-01			Prepared: 03/04/2026 Analyzed: 03/04/2026					
Benzene	0.104	0.002	mg/kg dry	0.108	ND	96.6	70-130			
Ethylbenzene	0.107	0.002	"	0.108	ND	99.2	70-130			
Naphthalene	0.091	0.004	"	0.108	ND	84.1	70-130			
Toluene	0.101	0.002	"	0.108	ND	93.7	70-130			
o-Xylene	0.103	0.002	"	0.108	ND	95.4	70-130			
m,p-Xylene	0.212	0.004	"	0.216	ND	97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.135		103	70-130			
Surrogate: Toluene-d8	0.13		"	0.135		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.135		107	70-130			

Matrix Spike Dup (6C04072-MSD1)		Source: DJC0042-01			Prepared: 03/04/2026 Analyzed: 03/04/2026					
1,2,4-Trimethylbenzene	0.096	0.002	mg/kg dry	0.106	ND	90.2	70-130	4.79	20	
1,3,5-Trimethylbenzene	0.095	0.002	"	0.106	ND	88.9	70-130	5.42	20	
Benzene	0.102	0.002	"	0.106	ND	95.6	70-130	2.63	20	
Ethylbenzene	0.102	0.002	"	0.106	ND	95.6	70-130	5.22	20	
Naphthalene	0.094	0.004	"	0.106	ND	88.2	70-130	3.15	20	
Toluene	0.099	0.002	"	0.106	ND	92.6	70-130	2.81	20	
o-Xylene	0.099	0.002	"	0.106	ND	92.6	70-130	4.52	20	
m,p-Xylene	0.203	0.004	"	0.213	ND	95.4	70-130	4.06	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.133		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.133		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.133		104	70-130			

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Jeremy Espinoza
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 Project: KMG - Bright 24-4 Wellhead

TOTAL METALS BY SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch BJC0661 - No Prep IC-WET											
Blank (BJC0661-BLK1)											
					Prepared: 03/12/2026 Analyzed: 03/19/2026						
Chromium, Hexavalent	ND	0.005	mg/kg wet dry								
LCS (BJC0661-BS1)											
					Prepared: 03/12/2026 Analyzed: 03/19/2026						
Chromium, Hexavalent	0.05	0.005	mg/kg wet dry	0.0500		110	80-120				
LCS (BJC0661-BS2)											
					Prepared: 03/12/2026 Analyzed: 03/19/2026						
Chromium, Hexavalent	9.04	1.00	mg/kg wet dry	8.07		112	80-120				
Duplicate (BJC0661-DUP1)											
					Source: DJC0043-01			Prepared: 03/12/2026 Analyzed: 03/20/2026			
Chromium, Hexavalent	0.15	0.23	mg/kg dry		0.21			29.8	20	P, J	
Matrix Spike (BJC0661-MS1)											
					Source: DJC0043-01			Prepared: 03/12/2026 Analyzed: 03/20/2026			
Chromium, Hexavalent	2.61	0.23	mg/kg dry	2.31	0.21	104	75-125				
Matrix Spike (BJC0661-MS2)											
					Source: DJC0043-01			Prepared: 03/12/2026 Analyzed: 03/20/2026			
Chromium, Hexavalent	2.79	0.22	mg/kg dry	2.23	0.21	116	75-125				

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Notes and Definitions

- U Sample is Non-Detect.
- P Duplicate analysis does not meet the acceptance criteria for precision
- J The reported result is an estimated value.
- J [Undefined]
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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