



Ensolum

April 15, 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 February 27, 2026. This project is associated with Origins project number DJC0021-01.

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



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



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
FL01@3'	DJC0021-01	Soil	February 27, 2026 13:54	02/27/2026 17:23
FL02@3'	DJC0021-02	Soil	February 27, 2026 13:51	02/27/2026 17:23
GW01@3'	DJC0021-03	Water	February 27, 2026 14:47	02/27/2026 17:23
GW02@3'	DJC0021-04	Water	February 27, 2026 14:40	02/27/2026 17:23

Jeremy Pike contacted PM group requesting re-run for arsenic on sample FL02@3'. KDK No errors were found in the original data, all results are reported. KDK

Origins Laboratory

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ORIGINS

LABORATORY

DTSC0021

Page 1 of 1

Client: Enselum
 Address: _____

Project Manager: S. Espinoza
 Project Name: Bright 24-4 Wellhead
 Project Number: 09A14171189
 Key: W=Water
 GW=Groundwater

Telephone Number: _____
 Email Address: KMG Team

Invoice/Billing Info: Initial/RY/Run # 40035
 Collected By: SK
 W=Surface Water
 WW=Waste Water
 L=Liquid

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas || UNP=Unpres | HCL = Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis				Comments								
1	FL01035-	2-27	1354	3	S	UNP	X												
2	FL02035-		1351	4	GW														
3	GW01035-		1447	4	GW														
4	GW02035-		1440	4	GW														
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished By: Deborah Huer Date: 2-27-20 Time: 1723 Received By: Sme Date: 02/17/20 Time: 1723

Temp Received - 0.2 Received On Ice? Yes No

Turnaround Time SAME DAY 24 Hr 48 Hr 72 Standard

Enthalpy Analytical

Sample Receipt Checklist

F-012207-01-R1

Enthalpy Work Order: DJSC0021 Client: Ensolium
 Checklist Completed by: Smc/NKM Client Project ID: Bright 244 WH
 Date/Time Completed: 03/02/24 Shipped Via: HD
 Matrix(es) Received: Soil/Solid Water Other: _____
 Thermometer ID(s): T-004
 Temperature as read (°C): -0.9
 Temperature as reported (°C): 0.2

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 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.)			<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.

Jack H
 Reviewed by (Project Manager)

3/3/26
 Date/Time Reviewed



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

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

FL01@3'
 2/27/2026 1:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0021-01 (Soil)									
Enthalpy Orange									
Total Metals by EPA 7199									
Hexavalent Chromium	ND	0.18	0.35	mg/Kg dry	1	397355	03/06/2026	03/06/2026	ND
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.812		0.119	mg/L dry	1	6C03022	03/03/2026	03/05/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		29.9	mg/kg dry	1	6C02077	03/02/2026	03/03/2026	U
Residual Range Organics (C28-C36)	ND		120	"	"	"	"	"	U
Surrogate: o-Terphenyl	83.9 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND	0.0006	0.002	mg/kg dry	1	6C03017	03/03/2026	03/03/2026	U
1,3,5-Trimethylbenzene	ND	0.0006	0.002	"	"	"	"	"	U
Benzene	ND	0.0006	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.0006	0.002	"	"	"	"	"	U
Toluene	ND	0.0007	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.002	"	"	"	"	"	U

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FL01@3'
 2/27/2026 1:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0021-01 (Soil)
 Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.045	0.235	mg/kg dry	1	6C03017	03/03/2026	03/03/2026	U
Surrogate: 1,2-Dichloroethane-d4	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	98.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.4 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.98		0.499	meq/L	10	[CALC]	03/03/2026	03/09/2026	
Magnesium	2.10		0.823	"	"	"	"	"	
Sodium	15.3		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	6C03068	03/03/2026	03/04/2026	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.024	"	"	"	"	"	U
Anthracene	ND		0.024	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.024	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.024	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.024	"	"	"	"	"	U

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FL01@3'
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Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0021-01 (Soil)
 Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.024	mg/kg dry	1	6C03068	03/03/2026	03/04/2026	U
Dibenz (a,h) anthracene	ND		0.024	"	"	"	"	"	U
Fluoranthene	ND		0.024	"	"	"	"	"	U
Fluorene	ND		0.024	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.024	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.024	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.5 %				70-130	"	"	"	
Surrogate: Anthracene-d10	91.5 %				70-130	"	"	"	
Surrogate: Pyrene-d10	92.3 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.1 %				70-130	"	"	"	

Percent Solids

Total Solids, Percent	83.5			mass percent	1	6C02101	03/02/2026	03/02/2026	
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pH in Soil by 9045D

pH	8.63			pH Units	1	6C03040	03/03/2026	03/07/2026	
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SAR by 20B Saturated Paste

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FL01@3'
2/27/2026 1:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0021-01 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	10.7		0.0100	SAR	1	6C03031	03/03/2026	03/09/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	2.05		0.00500	mmhos/cm	1	6C03040	03/03/2026	03/07/2026	
Table 915 metals by EPA 6020B									
Arsenic	1.83		0.238	mg/kg dry	10	6C02074	03/02/2026	03/04/2026	
Barium	ND		67.2	"	"	"	"	"	U
Cadmium	ND		0.311	"	"	"	"	"	U
Copper	ND		37.7	"	"	"	"	"	U
Lead	ND		11.5	"	"	"	"	"	U
Nickel	ND		21.3	"	"	"	"	"	U
Selenium	ND		0.202	"	"	"	"	"	U
Silver	ND		0.655	"	"	"	"	"	U
Zinc	ND		303	"	"	"	"	"	U

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FL02@3'
2/27/2026 1:51:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0021-02 (Soil)
Enthalpy Orange

Total Metals by EPA 7199

Hexavalent Chromium	ND	0.19	0.37	mg/Kg dry	1	397355	03/06/2026	03/06/2026	ND
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Origins Laboratory

Boron (DTPA Sorbitol)

(DTPA Sorbitol) Boron	0.819		0.126	mg/L dry	1	6C03022	03/03/2026	03/05/2026	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		32.4	mg/kg dry	1	6C02077	03/02/2026	03/03/2026	U
Residual Range Organics (C28-C36)	ND		130	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.5 %				50-150	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.0007	0.003	mg/kg dry	1	6C03017	03/03/2026	03/03/2026	U
1,3,5-Trimethylbenzene	ND	0.0007	0.003	"	"	"	"	"	U
Benzene	ND	0.0006	0.003	"	"	"	"	"	U
Ethylbenzene	ND	0.0006	0.003	"	"	"	"	"	U
Toluene	ND	0.0008	0.003	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.003	"	"	"	"	"	U

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FL02@3'
2/27/2026 1:51:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0021-02 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND	0.050	0.260	mg/kg dry	1	6C03017	03/03/2026	03/03/2026	U
Surrogate: 1,2-Dichloroethane-d4	110 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.2 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.33		0.499	meq/L	10	[CALC]	03/03/2026	03/09/2026	
Magnesium	1.15		0.823	"	"	"	"	"	
Sodium	5.03		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.003	mg/kg dry	1	6C03068	03/03/2026	03/04/2026	U
2-Methylnaphthalene	ND		0.003	"	"	"	"	"	U
Acenaphthene	ND		0.026	"	"	"	"	"	U
Anthracene	ND		0.026	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.026	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.026	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.026	"	"	"	"	"	U

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 Project: KMG - Bright 24-4 Wellhead

FL02@3'
 2/27/2026 1:51:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0021-02 (Soil)
 Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.026	mg/kg dry	1	6C03068	03/03/2026	03/04/2026	U
Dibenz (a,h) anthracene	ND		0.026	"	"	"	"	"	U
Fluoranthene	ND		0.026	"	"	"	"	"	U
Fluorene	ND		0.026	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.026	"	"	"	"	"	U
Naphthalene	ND		0.003	"	"	"	"	"	U
Pyrene	ND		0.026	"	"	"	"	"	U

Surrogate: Fluorene-d10	101 %				70-130	"	"	"	
Surrogate: Anthracene-d10	90.4 %				70-130	"	"	"	
Surrogate: Pyrene-d10	99.8 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %				70-130	"	"	"	

Percent Solids

Total Solids, Percent	77.7			mass percent	1	6C02101	03/02/2026	03/02/2026	
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pH in Soil by 9045D

pH	8.45			pH Units	1	6C03040	03/03/2026	03/07/2026	
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SAR by 20B Saturated Paste

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 Project: KMG - Bright 24-4 Wellhead

FL02@3'
2/27/2026 1:51:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0021-02 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	3.81		0.0100	SAR	1	6C03031	03/03/2026	03/09/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.883		0.00500	mmhos/cm	1	6C03040	03/03/2026	03/07/2026	
Table 915 metals by EPA 6020B									
Arsenic	7.92		0.239	mg/kg dry	10	6C02074	03/02/2026	03/04/2026	
Barium	173		67.5	"	"	"	"	"	
Cadmium	ND		0.313	"	"	"	"	"	U
Copper	ND		37.8	"	"	"	"	"	U
Lead	13.2		11.5	"	"	"	"	"	
Nickel	ND		21.4	"	"	"	"	"	U
Selenium	0.213		0.202	"	"	"	"	"	
Silver	ND		0.658	"	"	"	"	"	U
Zinc	ND		304	"	"	"	"	"	U

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FL02@3'
 2/27/2026 1:51:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0021-02RE1 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	5.31		0.254	mg/kg dry	10	6C16028	03/16/2026	03/18/2026	

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

GW01@3'

2/27/2026 2:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0021-03 (Water)									
Origins Laboratory									
BTEX+N+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	6C02081	03/02/2026	03/02/2026	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	99.4 %				70-130	"	"	"	
Surrogate: Toluene-d8	98.5 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %				70-130	"	"	"	
Chloride and Sulfate By EPA 300.0									
Chloride	2230		31.2	mg/L	125	6C03047	03/03/2026	03/04/2026	
Sulfate	1830		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	7630		5.00	"	1	6C02086	03/03/2026	03/05/2026	

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

GW02@3'

2/27/2026 2:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**DJC0021-04 (Water)
 Origins Laboratory**

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	6C02081	03/02/2026	03/02/2026	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	99.1 %				70-130	"	"	"	
Surrogate: Toluene-d8	99.4 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %				70-130	"	"	"	

Chloride and Sulfate By EPA 300.0

Chloride	718		31.2	mg/L	125	6C03047	03/03/2026	03/04/2026	
Sulfate	1020		31.2	"	"	"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	3440		5.00	"	1	6C02086	03/03/2026	03/05/2026	
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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

*** 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 6C02101 - % Solids

Duplicate (6C02101-DUP1)

Source: DJC0018-05

Prepared: 03/02/2026 Analyzed: 03/02/2026

Total Solids, Percent	91.1		mass percent		91.1			0.0352	20	
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Duplicate (6C02101-DUP2)

Source: DJC0018-06

Prepared: 03/02/2026 Analyzed: 03/02/2026

Total Solids, Percent	92.8		mass percent		92.8			0.0315	20	
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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

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C02086 - NO PREP										
Blank (6C02086-BLK1) Prepared: 03/03/2026 Analyzed: 03/05/2026										
Total Dissolved Solids	ND	5.00	mg/L							U
LCS (6C02086-BS1) Prepared: 03/03/2026 Analyzed: 03/05/2026										
Total Dissolved Solids	1010	5.00	mg/L	1020		98.8	90-110			
Duplicate (6C02086-DUP1) Source: DJC0021-03 Prepared: 03/03/2026 Analyzed: 03/05/2026										
Total Dissolved Solids	7590	5.00	mg/L		7630			0.552	10	
Batch 6C03022 - DTPA Sorbitol Preparation										
Blank (6C03022-BLK1) Prepared: 03/03/2026 Analyzed: 03/05/2026										
(DTPA Sorbitol) Boron	ND	0.100	mg/L wet							U
Duplicate (6C03022-DUP1) Source: DJC0018-01 Prepared: 03/03/2026 Analyzed: 03/05/2026										
(DTPA Sorbitol) Boron	0.778	0.107	mg/L dry		0.851			9.00	50	
Batch 6C03031 - Saturated Paste Metals										
Blank (6C03031-BLK1) Prepared: 03/03/2026 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 (6C03031-DUP1) Source: DJC0018-04 Prepared: 03/03/2026 Analyzed: 03/09/2026										
SAR	ND	0.0100	SAR		6.26				200	U
Calcium PPM	11.7	10.0	mg/L		10.7			8.76	50	
Magnesium PPM	3.13	10.0	"		2.96			5.58	50	U
Sodium PPM	94.4	10.0	"		89.8			5.04	50	

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Jeremy Espinoza
 Project Number: 09A14171189
 Project: KMG - Bright 24-4 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 6C03031 - Saturated Paste Metals

Batch 6C03047 - Filter .45um non acidified

Blank (6C03047-BLK1)

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

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

LCS (6C03047-BS1)

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

Chloride	3.70	0.250	mg/L	4.00		92.4	90-110			
Sulfate	3.73	0.250	"	4.00		93.2	90-110			

Matrix Spike (6C03047-MS1)

Source: DJC0021-03

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

Chloride	2620		mg/L	500	2230	78.8	90-110			QM-07
Sulfate	2270		"	500	1830	87.7	90-110			QM-07

Matrix Spike Dup (6C03047-MSD1)

Source: DJC0021-03

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

Chloride	2650		mg/L	500	2230	85.4	90-110	1.25	5	QM-07
Sulfate	2270		"	500	1830	88.6	90-110	0.199	5	QM-07

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Jeremy Espinoza
 Project Number: 09A14171189
 Project: KMG - Bright 24-4 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 6C03068 - EPA 3580

Blank (6C03068-BLK1)

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

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	200		ug/kg	200		101	70-130			
Surrogate: Anthracene-d10	180		"	200		91.5	70-130			
Surrogate: Pyrene-d10	180		"	200		91.3	70-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	70-130			

LCS (6C03068-BS1)

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

1-Methylnaphthalene	0.217	0.002	mg/kg wet	0.200		108	70-130			
2-Methylnaphthalene	0.212	0.002	"	0.200		106	70-130			
Acenaphthene	0.210	0.020	"	0.200		105	70-130			
Anthracene	0.184	0.020	"	0.200		91.7	70-130			
Benzo (a) anthracene	0.209	0.005	"	0.200		104	70-130			
Benzo (a) pyrene	0.208	0.020	"	0.200		104	70-130			

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Jeremy Espinoza
 Project Number: 09A14171189
 Project: KMG - Bright 24-4 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 6C03068 - EPA 3580

LCS (6C03068-BS1)

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

Benzo (b) fluoranthene	0.200	0.020	mg/kg wet	0.200		99.8	70-130			
Benzo (g,h,i) perylene	0.203	0.020	"	0.200		101	70-130			
Benzo (k) fluoranthene	0.209	0.020	"	0.200		104	70-130			
Chrysene	0.198	0.020	"	0.200		98.8	70-130			
Dibenz (a,h) anthracene	0.205	0.020	"	0.200		102	70-130			
Fluoranthene	0.195	0.020	"	0.200		97.3	70-130			
Fluorene	0.213	0.020	"	0.200		106	70-130			
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200		99.8	70-130			
Naphthalene	0.213	0.002	"	0.200		106	70-130			
Phenanthrene	0.195	0.020	"	0.200		97.3	70-130			
Pyrene	0.198	0.020	"	0.200		99.0	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		104	70-130			
Surrogate: Anthracene-d10	190		"	200		92.7	70-130			
Surrogate: Pyrene-d10	190		"	200		94.3	70-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	70-130			

Matrix Spike (6C03068-MS1)

Source: DJC0013-01

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

1-Methylnaphthalene	0.259	0.002	mg/kg dry	0.238	ND	109	70-130			
2-Methylnaphthalene	0.259	0.002	"	0.238	ND	109	70-130			
Acenaphthene	0.247	0.024	"	0.238	ND	104	70-130			
Anthracene	0.225	0.024	"	0.238	ND	94.4	70-130			
Benzo (a) anthracene	0.254	0.006	"	0.238	0.001	106	70-130			
Benzo (a) pyrene	0.260	0.024	"	0.238	0.002	108	70-130			
Benzo (b) fluoranthene	0.225	0.024	"	0.238	0.002	93.7	70-130			
Benzo (g,h,i) perylene	0.276	0.024	"	0.238	0.003	115	70-130			
Benzo (k) fluoranthene	0.226	0.024	"	0.238	0.002	94.2	70-130			
Chrysene	0.264	0.024	"	0.238	0.001	110	70-130			

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Jeremy Espinoza
 Project Number: 09A14171189
 Project: KMG - Bright 24-4 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 6C03068 - EPA 3580

Matrix Spike (6C03068-MS1)

Source: DJC0013-01

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

Dibenz (a,h) anthracene	0.241	0.024	mg/kg dry	0.238	0.004	99.7	70-130			
Fluoranthene	0.242	0.024	"	0.238	0.0005	102	70-130			
Fluorene	0.252	0.024	"	0.238	ND	106	70-130			
Indeno (1,2,3-cd) pyrene	0.241	0.024	"	0.238	0.004	99.4	70-130			
Naphthalene	0.250	0.002	"	0.238	ND	105	70-130			
Phenanthrene	0.234	0.024	"	0.238	ND	98.4	70-130			
Pyrene	0.248	0.024	"	0.238	ND	104	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	70-130			
Surrogate: Anthracene-d10	180		"	200		92.5	70-130			
Surrogate: Pyrene-d10	200		"	200		100	70-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	70-130			

Matrix Spike Dup (6C03068-MSD1)

Source: DJC0013-01

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

1-Methylnaphthalene	0.251	0.002	mg/kg dry	0.242	ND	104	70-130	3.16	35	
2-Methylnaphthalene	0.251	0.002	"	0.242	ND	104	70-130	3.03	35	
Acenaphthene	0.242	0.024	"	0.242	ND	100	70-130	2.21	35	
Anthracene	0.234	0.024	"	0.242	ND	96.8	70-130	4.02	35	
Benzo (a) anthracene	0.251	0.006	"	0.242	0.001	103	70-130	1.03	35	
Benzo (a) pyrene	0.236	0.024	"	0.242	0.002	96.6	70-130	9.84	35	
Benzo (b) fluoranthene	0.222	0.024	"	0.242	0.002	91.2	70-130	1.14	35	
Benzo (g,h,i) perylene	0.219	0.024	"	0.242	0.003	89.7	70-130	22.8	35	
Benzo (k) fluoranthene	0.220	0.024	"	0.242	0.002	90.1	70-130	2.76	35	
Chrysene	0.236	0.024	"	0.242	0.001	96.9	70-130	11.3	35	
Dibenz (a,h) anthracene	0.225	0.024	"	0.242	0.004	91.5	70-130	6.83	35	
Fluoranthene	0.236	0.024	"	0.242	0.0005	97.5	70-130	2.64	35	
Fluorene	0.246	0.024	"	0.242	ND	102	70-130	2.58	35	
Indeno (1,2,3-cd) pyrene	0.226	0.024	"	0.242	0.004	91.7	70-130	6.33	35	

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Jeremy Espinoza
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 Project: KMG - Bright 24-4 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 6C03068 - EPA 3580

Matrix Spike Dup (6C03068-MSD1)

Source: DJC0013-01

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

Naphthalene	0.244	0.002	mg/kg dry	0.242	ND	101	70-130	2.54	35	
Phenanthrene	0.229	0.024	"	0.242	ND	94.6	70-130	2.28	35	
Pyrene	0.228	0.024	"	0.242	ND	94.2	70-130	8.50	35	
Surrogate: Fluorene-d10	200		ug/kg	200		102	70-130			
Surrogate: Anthracene-d10	190		"	200		95.6	70-130			
Surrogate: Pyrene-d10	190		"	200		93.8	70-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	70-130			

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Jeremy Espinoza
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 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 6C02077 - EPA 3550B

Prepared: 03/02/2026 Analyzed: 03/03/2026

Blank (6C02077-BLK1)

Diesel (C10-C28)	ND	24.8	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	99.1	"							U
Surrogate: o-Terphenyl	24		"	24.7		97.0	50-150			

LCS (6C02077-BS1)

Prepared: 03/02/2026 Analyzed: 03/03/2026

Diesel (C10-C28)	871	50.7	mg/kg wet	1010		85.8	70-130			
Residual Range Organics (C28-C36)	919	203	"	1010		90.6	70-130			
Surrogate: o-Terphenyl	51		"	50.5		102	50-150			

Matrix Spike (6C02077-MS1)

Source: DJB0768-01

Prepared: 03/02/2026 Analyzed: 03/03/2026

Diesel (C10-C28)	998	57.6	mg/kg dry	1150	ND	86.6	70-130			
Residual Range Organics (C28-C36)	1050	230	"	1150	ND	91.0	70-130			
Surrogate: o-Terphenyl	59		"	57.3		103	50-150			

Matrix Spike Dup (6C02077-MSD1)

Source: DJB0768-01

Prepared: 03/02/2026 Analyzed: 03/03/2026

Diesel (C10-C28)	1020	58.1	mg/kg dry	1160	ND	87.6	70-130	1.91	35	
Residual Range Organics (C28-C36)	1040	232	"	1160	ND	89.8	70-130	0.510	35	
Surrogate: o-Terphenyl	59		"	57.8		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 6C02074 - EPA 3050B

Prepared: 03/02/2026 Analyzed: 03/04/2026

Blank (6C02074-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 (6C02074-BS1)

Prepared: 03/02/2026 Analyzed: 03/04/2026

Arsenic	4.64	0.218	mg/kg wet	5.00		92.8	80-120			
Barium	460	61.5	"	500		92.0	80-120			
Cadmium	4.74	0.285	"	5.00		94.8	80-120			
Copper	47.7	34.5	"	50.0		95.4	80-120			
Lead	4.65	10.5	"	5.00		93.1	80-120			U
Nickel	4.72	19.5	"	5.00		94.4	80-120			U
Selenium	4.72	0.184	"	5.00		94.5	80-120			
Silver	4.87	0.600	"	5.00		97.4	80-120			
Zinc	45.6	278	"	50.0		91.3	80-120			U

Matrix Spike (6C02074-MS1)

Source: DJC0017-14

Prepared: 03/02/2026 Analyzed: 03/04/2026

Arsenic	11.0	0.254	mg/kg dry	5.83	5.04	103	75-125			
Barium	653	71.7	"	583	138	88.3	75-125			
Cadmium	5.68	0.332	"	5.83	0.272	92.7	75-125			
Copper	70.1	40.2	"	58.3	14.4	95.6	75-125			
Lead	18.4	12.2	"	5.83	11.8	112	75-125			

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Jeremy Espinoza
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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 6C02074 - EPA 3050B

Matrix Spike (6C02074-MS1)

Source: DJC0017-14

Prepared: 03/02/2026 Analyzed: 03/04/2026

Nickel	22.0	22.7	mg/kg dry	5.83	15.7	107	75-125			U
Selenium	5.58	0.215	"	5.83	0.214	92.0	75-125			
Silver	5.56	0.700	"	5.83	0.0247	94.9	75-125			
Zinc	114	324	"	58.3	55.1	102	75-125			U

Matrix Spike Dup (6C02074-MSD1)

Source: DJC0017-14

Prepared: 03/02/2026 Analyzed: 03/04/2026

Arsenic	10.4	0.263	mg/kg dry	6.02	5.04	89.0	75-125	5.78	20	
Barium	660	74.1	"	602	138	86.7	75-125	1.09	20	
Cadmium	5.75	0.343	"	6.02	0.272	91.0	75-125	1.31	20	
Copper	71.7	41.6	"	60.2	14.4	95.1	75-125	2.19	20	
Lead	16.8	12.7	"	6.02	11.8	83.0	75-125	8.77	20	
Nickel	20.7	23.5	"	6.02	15.7	83.0	75-125	5.69	20	U
Selenium	5.78	0.222	"	6.02	0.214	92.4	75-125	3.56	20	
Silver	5.64	0.723	"	6.02	0.0247	93.2	75-125	1.46	20	
Zinc	110	334	"	60.2	55.1	91.9	75-125	3.52	20	U

Batch 6C16028 - EPA 3050B

Blank (6C16028-BLK1)

Prepared: 03/16/2026 Analyzed: 03/19/2026

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

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Ensolium
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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171189
 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 6C16028 - EPA 3050B

Prepared: 03/16/2026 Analyzed: 03/19/2026

Blank (6C16028-BLK1)

Zinc	ND	278	mg/kg wet							U
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LCS (6C16028-BS1)

Prepared: 03/16/2026 Analyzed: 03/19/2026

Arsenic	5.09	0.218	mg/kg wet	5.00		102	80-120			
Barium	520	61.5	"	500		104	80-120			
Cadmium	5.23	0.285	"	5.00		105	80-120			
Copper	49.0	34.5	"	50.0		98.0	80-120			
Lead	5.17	10.5	"	5.00		103	80-120			U
Nickel	4.81	19.5	"	5.00		96.2	80-120			U
Selenium	5.04	0.184	"	5.00		101	80-120			
Silver	5.21	0.600	"	5.00		104	80-120			
Zinc	50.6	278	"	50.0		101	80-120			U

Matrix Spike (6C16028-MS1)

Source: DJC0351-01

Prepared: 03/16/2026 Analyzed: 03/18/2026

Arsenic	7.63	0.219	mg/kg dry	5.02	3.21	88.2	75-125			
Barium	688	61.7	"	502	124	112	75-125			
Cadmium	6.28	0.286	"	5.02	1.57	93.8	75-125			
Copper	95.3	34.6	"	50.2	51.1	88.0	75-125			
Lead	125	10.5	"	5.02	71.2	NR	75-125			QM-4X
Nickel	11.3	19.6	"	5.02	7.54	74.9	75-125			QM-07, U
Selenium	4.75	0.185	"	5.02	0.199	90.7	75-125			
Silver	5.26	0.602	"	5.02	0.162	102	75-125			
Zinc	147	278	"	50.2	94.7	103	75-125			U

Matrix Spike Dup (6C16028-MSD1)

Source: DJC0351-01

Prepared: 03/16/2026 Analyzed: 03/18/2026

Arsenic	7.05	0.211	mg/kg dry	4.85	3.21	79.3	75-125	7.88	20	
Barium	612	59.7	"	485	124	101	75-125	11.6	20	

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Jeremy Espinoza
 Project Number: 09A14171189
 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 6C16028 - EPA 3050B

Matrix Spike Dup (6C16028-MSD1)

Source: DJC0351-01

Prepared: 03/16/2026 Analyzed: 03/18/2026

Cadmium	5.83	0.277	mg/kg dry	4.85	1.57	87.9	75-125	7.36	20	
Copper	87.1	33.5	"	48.5	51.1	74.3	75-125	8.92	20	QM-07
Lead	138	10.2	"	4.85	71.2	NR	75-125	9.57	20	QM-4X
Nickel	10.4	18.9	"	4.85	7.54	59.7	75-125	7.97	20	QM-07, U
Selenium	4.72	0.179	"	4.85	0.199	93.1	75-125	0.720	20	
Silver	4.80	0.582	"	4.85	0.162	95.6	75-125	9.06	20	
Zinc	143	269	"	48.5	94.7	99.6	75-125	2.48	20	U

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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 6C03040 - Saturated Paste pH/EC

Blank (6C03040-BLK1)

Prepared: 03/03/2026 Analyzed: 03/07/2026

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (6C03040-DUP1)

Source: DJC0018-04

Prepared: 03/03/2026 Analyzed: 03/07/2026

Specific Conductance (EC)	0.544	0.00500	mmhos/cm		0.535			1.67	25	
pH	7.69		pH Units		7.71			0.260	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 6C02081 - EPA 5030B (Water)

Blank (6C02081-BLK1)

Prepared: 03/02/2026 Analyzed: 03/02/2026

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U

Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.9	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		100	70-130			

LCS (6C02081-BS1)

Prepared: 03/02/2026 Analyzed: 03/02/2026

1,2,4-Trimethylbenzene	50.9	2.00	ug/L	50.0		102	70-130			
1,3,5-Trimethylbenzene	52.0	2.00	"	50.0		104	70-130			
Benzene	50.8	1.00	"	50.0		102	70-130			
Ethylbenzene	52.5	1.00	"	50.0		105	70-130			
m,p-Xylene	104	2.00	"	100		104	70-130			
Naphthalene	47.4	2.00	"	50.0		94.7	70-130			
o-Xylene	50.1	1.00	"	50.0		100	70-130			
Toluene	50.9	1.00	"	50.0		102	70-130			

Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	70-130			

Matrix Spike (6C02081-MS1)

Source: DJC0017-02

Prepared: 03/02/2026 Analyzed: 03/03/2026

1,2,4-Trimethylbenzene	63.5	2.00	ug/L	50.0	ND	127	70-130			
1,3,5-Trimethylbenzene	58.2	2.00	"	50.0	ND	116	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 6C02081 - EPA 5030B (Water)

Matrix Spike (6C02081-MS1)

Source: DJC0017-02

Prepared: 03/02/2026 Analyzed: 03/03/2026

Benzene	60.0	1.00	ug/L	50.0	ND	120	70-130			
Ethylbenzene	59.3	1.00	"	50.0	ND	119	70-130			
m,p-Xylene	134	2.00	"	100	ND	134	70-130			QM-07
Naphthalene	45.1	2.00	"	50.0	ND	90.2	70-130			
o-Xylene	62.1	1.00	"	50.0	ND	124	70-130			
Toluene	65.0	1.00	"	50.0	ND	130	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	63		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	70-130			

Matrix Spike Dup (6C02081-MSD1)

Source: DJC0017-02

Prepared: 03/02/2026 Analyzed: 03/02/2026

1,2,4-Trimethylbenzene	51.6	2.00	ug/L	50.0	ND	103	70-130	20.8	20	QR-02
1,3,5-Trimethylbenzene	54.3	2.00	"	50.0	ND	109	70-130	6.90	20	
Benzene	50.3	1.00	"	50.0	ND	101	70-130	17.5	20	
Ethylbenzene	53.4	1.00	"	50.0	ND	107	70-130	10.4	20	
m,p-Xylene	106	2.00	"	100	ND	106	70-130	23.2	20	QR-03
Naphthalene	45.0	2.00	"	50.0	ND	90.0	70-130	0.222	20	
o-Xylene	50.1	1.00	"	50.0	ND	100	70-130	21.3	20	QR-02
Toluene	50.8	1.00	"	50.0	ND	102	70-130	24.7	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Batch 6C03017 - EPA 5030 (soil)

Blank (6C03017-BLK1)

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

1,2,4-Trimethylbenzene	ND	0.002	mg/kg wet							U
1,3,5-Trimethylbenzene	ND	0.002	"							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 6C03017 - EPA 5030 (soil)

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

Blank (6C03017-BLK1)

Benzene	ND	0.002	mg/kg wet							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		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.4	70-130			

LCS (6C03017-BS1)

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

Naphthalene	0.104	0.004	mg/kg wet	0.100		104	70-130			
1,2,4-Trimethylbenzene	0.107	0.002	"	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.110	0.002	"	0.100		110	70-130			
Benzene	0.094	0.002	"	0.100		93.6	70-130			
Ethylbenzene	0.104	0.002	"	0.100		104	70-130			
Toluene	0.107	0.002	"	0.100		107	70-130			
o-Xylene	0.096	0.002	"	0.100		95.9	70-130			
m,p-Xylene	0.212	0.004	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.1	70-130			

Matrix Spike (6C03017-MS1)

Source: DJC0012-01

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

Naphthalene	0.133	0.004	mg/kg dry	0.111	ND	120	70-130			
1,2,4-Trimethylbenzene	0.109	0.002	"	0.111	ND	98.0	70-130			
1,3,5-Trimethylbenzene	0.110	0.002	"	0.111	ND	99.3	70-130			
Benzene	0.100	0.002	"	0.111	ND	90.5	70-130			

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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 6C03017 - EPA 5030 (soil)

Matrix Spike (6C03017-MS1)

Source: DJC0012-01

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

Ethylbenzene	0.104	0.002	mg/kg dry	0.111	ND	94.1	70-130			
Toluene	0.111	0.002	"	0.111	ND	99.8	70-130			
o-Xylene	0.099	0.002	"	0.111	ND	88.9	70-130			
m,p-Xylene	0.213	0.004	"	0.222	ND	96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.139		110	70-130			
Surrogate: Toluene-d8	0.13		"	0.139		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.139		95.2	70-130			

Matrix Spike Dup (6C03017-MSD1)

Source: DJC0012-01

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

Naphthalene	0.136	0.004	mg/kg dry	0.113	ND	121	70-130	2.40	20	
1,2,4-Trimethylbenzene	0.112	0.002	"	0.113	ND	99.2	70-130	2.79	20	
1,3,5-Trimethylbenzene	0.114	0.002	"	0.113	ND	101	70-130	3.10	20	
Benzene	0.103	0.002	"	0.113	ND	91.2	70-130	2.41	20	
Ethylbenzene	0.108	0.002	"	0.113	ND	95.8	70-130	3.38	20	
Toluene	0.114	0.002	"	0.113	ND	101	70-130	3.29	20	
o-Xylene	0.102	0.002	"	0.113	ND	90.3	70-130	3.13	20	
m,p-Xylene	0.221	0.005	"	0.226	ND	97.7	70-130	3.41	20	
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.141		108	70-130			
Surrogate: Toluene-d8	0.14		"	0.141		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.141		95.5	70-130			

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Notes and Definitions

- U Sample is Non-Detect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Not Detected
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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