



Ensolum

January 29, 2026

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - HSR - Creason 11-5,Bell
12-5, Chaknova 14-5**

Project Number - 09A14171004

Attached are your analytical results for KMG - HSR - Creason 11-5,Bell 12-5, Chaknova 14-5 received by Origins Laboratory January 16, 2026. This project is associated with Origins project number DJA0258-01.

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: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP-RISER(14-5)@3'	DJA0258-01	Soil	January 16, 2026 13:28	01/16/2026 16:49
SEP-RISER(11-5)@3'	DJA0258-02	Soil	January 16, 2026 13:42	01/16/2026 16:49
SEP-RISER(12-5)@3'	DJA0258-03	Soil	January 16, 2026 13:36	01/16/2026 16:49

Origins Laboratory

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ORIGINS

LABORATORY

DS A0258

Client: EnSolum

Address: _____

Telephone Number: _____

Email Address: RMG@TEAM

Project Manager: J Espinosa

Project Name: H&R-Creation 11-5 H&R-Beil-5

Project Number: 09A1417-1004

Collected By: EZJ/JH

Invoice/Billing Info: Initial/OK/Perm # 37381

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	GWSEPDZWHLETOS	1-16		4	GW	UNP																		
2	GW-DLZOS																							
3	SEPRISER(14-5)OS	1-16	1328	3	S	UNP																		
4	SEPRISER(11-5)OS		1342																					
5	SEPRISER(12-5)OS		1336																					
6																								
7																								
8																								
9																								
10																								

Relinquished By: [Signature] Date: 1-16-2026 Time: 1649

Received By: ARZ Date: 01/16/26 Time: 1649

Temp Received - 3, 5 Received On Ice? Yes No

Turnaround Time SAME DAY 24 Hr 48 Hr 72

Standard Standard

1725 Elk Place Denver, CO 80221 | #303.423.1322 | originslab.com

Temp Received - 3, 5 Received On Ice? Yes No

Turnaround Time SAME DAY 24 Hr 48 Hr 72

Sample Receipt Checklist

Origins Work Order: DJA0258

Client: Ensolum

Client Project ID: Creoson Bell Charkova

Checklist Completed by: smc/gmc

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

Date/time completed: 01/19/26

Airbill #: N/A

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

Cooler Number/Temperature: 1135 °C / _____ °C / _____ °C / _____ °C (Describe)

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽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 NaAsO2+NaOH, ZnAc+NaOH)			<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)

1/20/26
Date/Time Reviewed



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Jeremy Espinoza
 Project Number: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

SEP-RISER(14-5)@3'
1/16/2026 1:28:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJA0258-01 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.09	0.23	mg/kg dry	1	BJA0951	01/22/2026	01/28/2026	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.157		0.113	mg/L dry	1	6A20036	01/20/2026	01/21/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		28.8	mg/kg dry	1	6A19018	01/19/2026	01/19/2026	U
Residual Range Organics (C28-C36)	ND		115	"	"	"	"	"	U
Surrogate: o-Terphenyl	84.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	6A19068	01/19/2026	01/19/2026	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

Origins Laboratory

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1/16/2026 1:28:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJA0258-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.232	mg/kg dry	1	6A19068	01/19/2026	01/19/2026	U
Surrogate: 1,2-Dichloroethane-d4	79.1 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.1 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	75.8 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	31.4		0.499	meq/L	10	[CALC]	01/20/2026	01/21/2026	
Magnesium	6.35		0.823	"	"	"	"	"	
Sodium	6.13		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	6A20069	01/20/2026	01/21/2026	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.023	"	"	"	"	"	U
Anthracene	ND		0.023	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.023	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.023	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.023	"	"	"	"	"	U

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1/16/2026 1:28:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJA0258-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.023	mg/kg dry	1	6A20069	01/20/2026	01/21/2026	U
Dibenz (a,h) anthracene	ND		0.023	"	"	"	"	"	U
Fluoranthene	ND		0.023	"	"	"	"	"	U
Fluorene	ND		0.023	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.023	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.023	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.9 %			60-130		"	"	"	
Surrogate: Anthracene-d10	103 %			60-130		"	"	"	
Surrogate: Pyrene-d10	105 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	87.0			mass percent	1	6A19073	01/19/2026	01/19/2026	
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pH in Soil by 9045D

pH	8.08			pH Units	1	6A20052	01/20/2026	01/21/2026	
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SAR by 20B Saturated Paste

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SEP-RISER(14-5)@3'
1/16/2026 1:28:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJA0258-01 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	1.41		0.0100	SAR	1	6A20044	01/20/2026	01/21/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.278		0.00500	mmhos/cm	1	6A20052	"	01/21/2026	
Table 915 metals by EPA 6020B									
Arsenic	3.30		0.237	mg/kg dry	10	6A19062	01/19/2026	01/21/2026	
Barium	104		66.8	"	"	"	"	"	
Cadmium	ND		0.309	"	"	"	"	"	U
Copper	ND		37.5	"	"	"	"	"	U
Lead	14.0		11.4	"	"	"	"	"	
Nickel	ND		21.2	"	"	"	"	"	U
Selenium	0.207		0.200	"	"	"	"	"	
Silver	ND		0.651	"	"	"	"	"	U
Zinc	ND		301	"	"	"	"	"	U

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SEP-RISER(11-5)@3'
 1/16/2026 1:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJA0258-02 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.09	0.23	mg/kg dry	1	BJA0951	01/22/2026	01/28/2026	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.647		0.118	mg/L dry	1	6A20036	01/20/2026	01/21/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	134		29.4	mg/kg dry	1	6A19018	01/19/2026	01/19/2026	
Residual Range Organics (C28-C36)	ND		118	"	"	"	"	"	U
Surrogate: o-Terphenyl	82.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	6A19068	01/19/2026	01/19/2026	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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SEP-RISER(11-5)@3'
 1/16/2026 1:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJA0258-02 (Soil)
 Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	85.1		6.01	mg/kg dry	25	6A19068	01/19/2026	01/20/2026	
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Surrogate: 1,2-Dichloroethane-d4	77.3 %			70-130		"	"	01/19/2026	
Surrogate: Toluene-d8	97.8 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	85.9 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.41		0.499	meq/L	10	[CALC]	01/20/2026	01/21/2026	
Magnesium	4.33		0.823	"	"	"	"	"	
Sodium	1.83		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	6A20069	01/20/2026	01/21/2026	U
2-Methylnaphthalene	0.007		0.002	"	"	"	"	"	
Acenaphthene	0.209		0.023	"	"	"	"	"	
Anthracene	ND		0.023	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.023	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.023	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.023	"	"	"	"	"	U
Chrysene	ND		0.023	"	"	"	"	"	U

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SEP-RISER(11-5)@3'
 1/16/2026 1:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJA0258-02 (Soil)									
Origins Laboratory									
PAH by EPA 8270E extracted via 3580A									
Dibenz (a,h) anthracene	ND		0.023	mg/kg dry	1	6A20069	01/20/2026	01/21/2026	U
Fluoranthene	ND		0.023	"	"	"	"	"	U
Fluorene	0.035		0.023	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.023	"	"	"	"	"	U
Naphthalene	0.019		0.002	"	"	"	"	"	U
Pyrene	ND		0.023	"	"	"	"	"	U
Surrogate: Fluorene-d10	101 %			60-130	"	"	"	"	
Surrogate: Anthracene-d10	100 %			60-130	"	"	"	"	
Surrogate: Pyrene-d10	105 %			60-130	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.0 %			60-130	"	"	"	"	
Percent Solids									
Total Solids, Percent	84.9			mass percent	1	6A19073	01/19/2026	01/19/2026	
pH in Soil by 9045D									
pH	8.64			pH Units	1	6A20052	01/20/2026	01/21/2026	
SAR by 20B Saturated Paste									
SAR	1.08		0.0100	SAR	1	6A20044	"	01/21/2026	

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SEP-RISER(11-5)@3'
1/16/2026 1:42:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJA0258-02 (Soil)									
Origins Laboratory									
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.730		0.00500	mmhos/cm	1	6A20052	01/20/2026	01/21/2026	
Table 915 metals by EPA 6020B									
Arsenic	58.7		0.219	mg/kg dry	10	6A19062	01/19/2026	01/21/2026	
Barium	258		61.7	"	"	"	"	"	
Cadmium	0.574		0.286	"	"	"	"	"	
Copper	ND		34.6	"	"	"	"	"	U
Lead	21.2		10.5	"	"	"	"	"	
Nickel	ND		19.6	"	"	"	"	"	U
Selenium	0.810		0.185	"	"	"	"	"	
Silver	ND		0.602	"	"	"	"	"	U
Zinc	ND		279	"	"	"	"	"	U

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SEP-RISER(12-5)\@3'
1/16/2026 1:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJA0258-03 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	0.17	0.09	0.23	mg/kg dry	1	BJA0951	01/22/2026	01/28/2026	J
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.545		0.113	mg/L dry	1	6A20036	01/20/2026	01/21/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		28.7	mg/kg dry	1	6A19018	01/19/2026	01/19/2026	U
Residual Range Organics (C28-C36)	ND		115	"	"	"	"	"	U
Surrogate: o-Terphenyl	92.9 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	6A19068	01/19/2026	01/19/2026	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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SEP-RISER(12-5)@3'
1/16/2026 1:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJA0258-03 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.230	mg/kg dry	1	6A19068	01/19/2026	01/20/2026	U
Surrogate: 1,2-Dichloroethane-d4	77.6 %			70-130		"	"	01/19/2026	
Surrogate: Toluene-d8	95.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	75.5 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.66		0.499	meq/L	10	[CALC]	01/20/2026	01/21/2026	
Magnesium	1.05		0.823	"	"	"	"	"	
Sodium	0.879		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	6A20069	01/20/2026	01/21/2026	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.023	"	"	"	"	"	U
Anthracene	ND		0.023	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.023	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.023	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.023	"	"	"	"	"	U

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Ensolium
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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

SEP-RISER(12-5)@3'
1/16/2026 1:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJA0258-03 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.023	mg/kg dry	1	6A20069	01/20/2026	01/21/2026	U
Dibenz (a,h) anthracene	ND		0.023	"	"	"	"	"	U
Fluoranthene	ND		0.023	"	"	"	"	"	U
Fluorene	ND		0.023	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.023	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.023	"	"	"	"	"	U

Surrogate: Fluorene-d10	103 %			60-130		"	"	"	
Surrogate: Anthracene-d10	103 %			60-130		"	"	"	
Surrogate: Pyrene-d10	96.2 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.0 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	87.1			mass percent	1	6A19073	01/19/2026	01/19/2026	
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pH in Soil by 9045D

pH	8.17			pH Units	1	6A20052	01/20/2026	01/21/2026	
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SAR by 20B Saturated Paste

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Jeremy Espinoza
 Project Number: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

SEP-RISER(12-5)@3'
1/16/2026 1:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJA0258-03 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	0.756		0.0100	SAR	1	6A20044	01/20/2026	01/21/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.432		0.00500	mmhos/cm	1	6A20052	"	01/21/2026	
Table 915 metals by EPA 6020B									
Arsenic	2.48		0.234	mg/kg dry	10	6A19062	01/19/2026	01/21/2026	
Barium	116		65.9	"	"	"	"	"	
Cadmium	ND		0.305	"	"	"	"	"	U
Copper	ND		37.0	"	"	"	"	"	U
Lead	ND		11.2	"	"	"	"	"	U
Nickel	ND		20.9	"	"	"	"	"	U
Selenium	0.220		0.198	"	"	"	"	"	
Silver	ND		0.643	"	"	"	"	"	U
Zinc	ND		297	"	"	"	"	"	U

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 Project: KMG - HSR - Creason 11-5, Bell 12-5,
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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 6A19073 - % Solids

Duplicate (6A19073-DUP1)

Source: DJA0243-02

Prepared: 01/19/2026 Analyzed: 01/19/2026

Total Solids, Percent	86.7		mass percent		86.6			0.120	20	
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Jeremy Espinoza
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 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

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 6A20036 - DTPA Sorbitol Preparation

Blank (6A20036-BLK1)

Prepared: 01/20/2026 Analyzed: 01/21/2026

(DTPA Sorbitol) Boron ND 0.100 mg/L wet U

Duplicate (6A20036-DUP1)

Source: **DJA0241-06**

Prepared: 01/20/2026 Analyzed: 01/21/2026

(DTPA Sorbitol) Boron 0.253 0.104 mg/L dry 0.295 15.4 50

Batch 6A20044 - Saturated Paste Metals

Blank (6A20044-BLK1)

Prepared: 01/20/2026 Analyzed: 01/21/2026

Calcium PPM ND 10.0 mg/L U

SAR ND 0.0100 SAR U

Magnesium PPM ND 10.0 mg/L U

Sodium PPM ND 10.0 " U

Duplicate (6A20044-DUP1)

Source: **DJA0252-01**

Prepared: 01/20/2026 Analyzed: 01/21/2026

Calcium PPM 11.4 10.0 mg/L 8.36 31.1 50

SAR ND 0.0100 SAR 0.438 200 U

Magnesium PPM 3.11 10.0 mg/L 2.47 22.9 50 U

Sodium PPM 7.33 10.0 " 5.61 26.6 50 U

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 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

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 6A20069 - EPA 3580

Blank (6A20069-BLK1)

Prepared: 01/20/2026 Analyzed: 01/21/2026

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		97.7	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.9	60-130			

LCS (6A20069-BS1)

Prepared: 01/20/2026 Analyzed: 01/21/2026

1-Methylnaphthalene	0.193	0.002	mg/kg wet	0.198		97.5	70-130			
2-Methylnaphthalene	0.185	0.002	"	0.198		93.4	70-130			
Acenaphthene	0.201	0.020	"	0.198		101	70-130			
Anthracene	0.208	0.020	"	0.198		105	70-130			
Benzo (a) anthracene	0.215	0.005	"	0.198		108	70-130			
Benzo (a) pyrene	0.209	0.020	"	0.198		106	70-130			

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 Project Number: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

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 6A20069 - EPA 3580

LCS (6A20069-BS1)

Prepared: 01/20/2026 Analyzed: 01/21/2026

Benzo (b) fluoranthene	0.224	0.020	mg/kg wet	0.198		113	70-130			
Benzo (g,h,i) perylene	0.217	0.020	"	0.198		109	70-130			
Benzo (k) fluoranthene	0.225	0.020	"	0.198		114	70-130			
Chrysene	0.223	0.020	"	0.198		113	70-130			
Dibenz (a,h) anthracene	0.231	0.020	"	0.198		116	70-130			
Fluoranthene	0.199	0.020	"	0.198		101	70-130			
Fluorene	0.212	0.020	"	0.198		107	70-130			
Indeno (1,2,3-cd) pyrene	0.228	0.020	"	0.198		115	70-130			
Naphthalene	0.208	0.002	"	0.198		105	70-130			
Phenanthrene	0.212	0.020	"	0.198		107	70-130			
Pyrene	0.214	0.020	"	0.198		108	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		107	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	190		"	200		97.2	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

Matrix Spike (6A20069-MS1)

Source: DJA0258-01

Prepared: 01/20/2026 Analyzed: 01/21/2026

1-Methylnaphthalene	0.201	0.002	mg/kg dry	0.228	ND	88.2	70-130			
2-Methylnaphthalene	0.206	0.002	"	0.228	0.001	90.0	70-130			
Acenaphthene	0.234	0.023	"	0.228	ND	103	70-130			
Anthracene	0.243	0.023	"	0.228	ND	107	70-130			
Benzo (a) anthracene	0.253	0.006	"	0.228	0.005	109	70-130			
Benzo (a) pyrene	0.252	0.023	"	0.228	0.004	108	70-130			
Benzo (b) fluoranthene	0.281	0.023	"	0.228	0.007	121	70-130			
Benzo (g,h,i) perylene	0.249	0.023	"	0.228	0.008	106	70-130			
Benzo (k) fluoranthene	0.267	0.023	"	0.228	0.005	115	70-130			
Chrysene	0.254	0.023	"	0.228	0.004	110	70-130			

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Jeremy Espinoza
 Project Number: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

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 6A20069 - EPA 3580

Matrix Spike (6A20069-MS1)

Source: DJA0258-01

Prepared: 01/20/2026 Analyzed: 01/21/2026

Dibenz (a,h) anthracene	0.253	0.023	mg/kg dry	0.228	0.010	107	70-130			
Fluoranthene	0.226	0.023	"	0.228	0.002	98.2	70-130			
Fluorene	0.249	0.023	"	0.228	ND	109	70-130			
Indeno (1,2,3-cd) pyrene	0.250	0.023	"	0.228	0.009	106	70-130			
Naphthalene	0.241	0.002	"	0.228	ND	106	70-130			
Phenanthrene	0.232	0.023	"	0.228	0.001	101	70-130			
Pyrene	0.257	0.023	"	0.228	0.002	112	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		97.9	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (6A20069-MSD1)

Source: DJA0258-01

Prepared: 01/20/2026 Analyzed: 01/21/2026

1-Methylnaphthalene	0.242	0.002	mg/kg dry	0.227	ND	107	70-130	18.6	20	
2-Methylnaphthalene	0.253	0.002	"	0.227	0.001	111	70-130	20.6	20	QR-02
Acenaphthene	0.235	0.023	"	0.227	ND	103	70-130	0.382	20	
Anthracene	0.256	0.023	"	0.227	ND	113	70-130	5.27	20	
Benzo (a) anthracene	0.269	0.006	"	0.227	0.005	116	70-130	6.06	20	
Benzo (a) pyrene	0.263	0.023	"	0.227	0.004	114	70-130	4.47	20	
Benzo (b) fluoranthene	0.271	0.023	"	0.227	0.007	116	70-130	3.93	20	
Benzo (g,h,i) perylene	0.238	0.023	"	0.227	0.008	101	70-130	4.52	20	
Benzo (k) fluoranthene	0.275	0.023	"	0.227	0.005	119	70-130	3.08	20	
Chrysene	0.262	0.023	"	0.227	0.004	113	70-130	2.93	20	
Dibenz (a,h) anthracene	0.260	0.023	"	0.227	0.010	110	70-130	2.68	20	
Fluoranthene	0.234	0.023	"	0.227	0.002	102	70-130	3.56	20	
Fluorene	0.257	0.023	"	0.227	ND	113	70-130	2.91	20	
Indeno (1,2,3-cd) pyrene	0.255	0.023	"	0.227	0.009	108	70-130	1.98	20	

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 Chaknova 14-5

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 6A20069 - EPA 3580

Matrix Spike Dup (6A20069-MSD1)

Source: DJA0258-01

Prepared: 01/20/2026 Analyzed: 01/21/2026

Naphthalene	0.248	0.002	mg/kg dry	0.227	ND	109	70-130	2.79	20	
Phenanthrene	0.254	0.023	"	0.227	0.001	111	70-130	9.19	20	
Pyrene	0.254	0.023	"	0.227	0.002	111	70-130	1.02	20	
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	190		"	200		95.8	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

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 Chaknova 14-5

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 6A19018 - EPA 3550B

Prepared: 01/19/2026 Analyzed: 01/19/2026

Blank (6A19018-BLK1)

Diesel (C10-C28)	ND	25.0	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		100	50-150			

LCS (6A19018-BS1)

Prepared: 01/19/2026 Analyzed: 01/19/2026

Diesel (C10-C28)	1090	50.0	mg/kg wet	1000		109	70-130			
Residual Range Organics (C28-C36)	1210	200	"	1000		121	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Matrix Spike (6A19018-MS1)

Source: DJA0234-01

Prepared: 01/19/2026 Analyzed: 01/19/2026

Diesel (C10-C28)	1070	52.4	mg/kg dry	1050	ND	102	70-130			
Residual Range Organics (C28-C36)	1160	210	"	1050	ND	111	70-130			
Surrogate: o-Terphenyl	44		"	52.1		84.0	50-150			

Matrix Spike Dup (6A19018-MSD1)

Source: DJA0234-01

Prepared: 01/19/2026 Analyzed: 01/19/2026

Diesel (C10-C28)	1070	52.5	mg/kg dry	1050	ND	102	70-130	0.195	35	
Residual Range Organics (C28-C36)	1140	210	"	1050	ND	109	70-130	1.40	35	
Surrogate: o-Terphenyl	45		"	52.2		85.4	50-150			

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Jeremy Espinoza
 Project Number: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

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 6A19062 - EPA 3050B

Blank (6A19062-BLK1)

Prepared: 01/19/2026 Analyzed: 01/21/2026

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
Zinc	ND	278	"							U

LCS (6A19062-BS1)

Prepared: 01/19/2026 Analyzed: 01/21/2026

Arsenic	5.46	0.218	mg/kg wet	5.00		109	80-120			
Barium	547	61.5	"	500		109	80-120			
Cadmium	5.46	0.285	"	5.00		109	80-120			
Copper	52.3	34.5	"	50.0		105	80-120			
Lead	5.36	10.5	"	5.00		107	80-120			U
Nickel	5.36	19.5	"	5.00		107	80-120			U
Selenium	5.43	0.184	"	5.00		109	80-120			
Silver	5.42	0.600	"	5.00		108	80-120			
Zinc	55.0	278	"	50.0		110	80-120			U

Matrix Spike (6A19062-MS1)

Source: DJA0234-09

Prepared: 01/19/2026 Analyzed: 01/22/2026

Arsenic	10.4	0.204	mg/kg dry	4.68	5.51	104	75-125			
Barium	602	57.5	"	468	140	98.9	75-125			
Cadmium	6.03	0.267	"	4.68	1.25	102	75-125			
Copper	114	32.3	"	46.8	59.1	117	75-125			
Lead	44.1	9.82	"	4.68	37.6	137	75-125			QM-4X

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 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

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 6A19062 - EPA 3050B

Matrix Spike (6A19062-MS1)

Source: DJA0234-09

Prepared: 01/19/2026 Analyzed: 01/22/2026

Nickel	22.5	18.2	mg/kg dry	4.68	17.7	101	75-125			
Selenium	4.75	0.173	"	4.68	0.484	91.1	75-125			
Silver	5.78	0.561	"	4.68	0.714	108	75-125			
Zinc	208	260	"	46.8	151	121	75-125			U

Matrix Spike Dup (6A19062-MSD1)

Source: DJA0234-09

Prepared: 01/19/2026 Analyzed: 01/22/2026

Arsenic	10.4	0.215	mg/kg dry	4.92	5.51	100	75-125	0.791	20	
Barium	635	60.5	"	492	140	101	75-125	5.27	20	
Cadmium	6.44	0.280	"	4.92	1.25	105	75-125	6.51	20	
Copper	114	34.0	"	49.2	59.1	111	75-125	0.174	20	
Lead	41.9	10.3	"	4.92	37.6	87.1	75-125	4.92	20	
Nickel	22.3	19.2	"	4.92	17.7	92.8	75-125	0.712	20	
Selenium	5.31	0.182	"	4.92	0.484	98.0	75-125	11.2	20	
Silver	6.15	0.590	"	4.92	0.714	111	75-125	6.24	20	
Zinc	203	273	"	49.2	151	105	75-125	2.52	20	U

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

Jeremy Espinoza
 Project Number: 09A14171004
 Project: KMG - HSR - Creason 11-5, Bell 12-5,
 Chaknova 14-5

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 6A20052 - Saturated Paste pH/EC

Blank (6A20052-BLK1)

Prepared: 01/20/2026 Analyzed: 01/21/2026

Specific Conductance (EC) ND 0.00500 mmhos/cm U

Duplicate (6A20052-DUP1)

Source: DJA0252-01

Prepared: 01/20/2026 Analyzed: 01/21/2026

Specific Conductance (EC) 0.165 0.00500 mmhos/cm 0.147 11.9 25

pH 7.76 pH Units 7.80 0.514 25

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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 6A19068 - EPA 5030 (soil)

Prepared: 01/19/2026 Analyzed: 01/19/2026

Blank (6A19068-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	0.12		"	0.125	94.4	70-130
Surrogate: Toluene-d8	0.13		"	0.125	106	70-130
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	91.6	70-130

LCS (6A19068-BS1)

Prepared: 01/19/2026 Analyzed: 01/19/2026

1,2,4-Trimethylbenzene	0.095	0.002	mg/kg wet	0.100	94.6	70-130
1,3,5-Trimethylbenzene	0.095	0.002	"	0.100	95.3	70-130
Benzene	0.096	0.002	"	0.100	96.3	70-130
Ethylbenzene	0.103	0.002	"	0.100	103	70-130
Naphthalene	0.096	0.004	"	0.100	96.0	70-130
Toluene	0.099	0.002	"	0.100	99.3	70-130
o-Xylene	0.100	0.002	"	0.100	99.6	70-130
m,p-Xylene	0.203	0.004	"	0.200	101	70-130

Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	91.2	70-130
Surrogate: Toluene-d8	0.13		"	0.125	103	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	107	70-130

Matrix Spike (6A19068-MS1)

Source: DJA0234-01

Prepared: 01/19/2026 Analyzed: 01/19/2026

1,2,4-Trimethylbenzene	0.102	0.002	mg/kg dry	0.105	ND	97.1	70-130
1,3,5-Trimethylbenzene	0.102	0.002	"	0.105	ND	96.6	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 6A19068 - EPA 5030 (soil)

Matrix Spike (6A19068-MS1)

Source: DJA0234-01

Prepared: 01/19/2026 Analyzed: 01/19/2026

Benzene	0.105	0.002	mg/kg dry	0.105	ND	99.3	70-130			
Ethylbenzene	0.112	0.002	"	0.105	ND	106	70-130			
Naphthalene	0.097	0.004	"	0.105	ND	92.3	70-130			
Toluene	0.108	0.002	"	0.105	ND	102	70-130			
o-Xylene	0.109	0.002	"	0.105	ND	103	70-130			
m,p-Xylene	0.222	0.004	"	0.211	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.132		88.1	70-130			
Surrogate: Toluene-d8	0.14		"	0.132		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.132		109	70-130			

Matrix Spike Dup (6A19068-MSD1)

Source: DJA0234-01

Prepared: 01/19/2026 Analyzed: 01/19/2026

1,2,4-Trimethylbenzene	0.090	0.002	mg/kg dry	0.104	ND	86.2	70-130	13.1	20	
1,3,5-Trimethylbenzene	0.090	0.002	"	0.104	ND	86.5	70-130	12.2	20	
Benzene	0.093	0.002	"	0.104	ND	89.7	70-130	11.4	20	
Ethylbenzene	0.100	0.002	"	0.104	ND	95.8	70-130	11.1	20	
Naphthalene	0.093	0.004	"	0.104	ND	89.5	70-130	4.33	20	
Toluene	0.097	0.002	"	0.104	ND	92.9	70-130	10.5	20	
o-Xylene	0.097	0.002	"	0.104	ND	93.0	70-130	11.8	20	
m,p-Xylene	0.196	0.004	"	0.208	ND	93.9	70-130	12.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.130		90.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.130		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.130		109	70-130			

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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 BJA0951 - No Prep IC-WET										
Blank (BJA0951-BLK1)										
					Prepared: 01/22/2026 Analyzed: 01/28/2026					
Chromium, Hexavalent	ND	0.005	mg/kg wet dry				-			
LCS (BJA0951-BS1)										
					Prepared: 01/22/2026 Analyzed: 01/28/2026					
Chromium, Hexavalent	0.05	0.005	mg/kg wet dry	0.0500		99.3	80-120			
LCS (BJA0951-BS2)										
					Prepared: 01/22/2026 Analyzed: 01/28/2026					
Chromium, Hexavalent	8.82	1.00	mg/kg wet dry	8.07		109	80-120			
Duplicate (BJA0951-DUP1)										
		Source: 26A1621-02			Prepared: 01/22/2026 Analyzed: 01/28/2026					
Chromium, Hexavalent	0.44	0.21	mg/kg dry		0.38		-	14.7	20	
Matrix Spike (BJA0951-MS1)										
		Source: 26A1621-02			Prepared: 01/22/2026 Analyzed: 01/28/2026					
Chromium, Hexavalent	2.50	0.21	mg/kg dry	2.14	0.40	98.6	75-125			
Matrix Spike (BJA0951-MS2)										
		Source: 26A1621-02			Prepared: 01/22/2026 Analyzed: 01/28/2026					
Chromium, Hexavalent	2.72	0.21	mg/kg dry	2.08	0.40	112	75-125			

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Notes and Definitions

- U Sample is Non-Detect.
- 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.
- J The reported result is an estimated value.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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