



Ensolum

June 25, 2025

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - Joker 1N1 1N2 1N3
26N1-9HZ Facility**

Project Number - 09A14171248

Attached are your analytical results for KMG - Joker 1N1 1N2 1N3 26N1-9HZ Facility received by Origins Laboratory June 09, 2025. This project is associated with Origins project number E5F0171-01.

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

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

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

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

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

Origins Laboratory
303.433.1322
projectmanager@originslab.com



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



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

Jeremy Espinoza
Project Number: 09A14171248
Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sep01-INLET@0.5'	E5F0171-01	Soil	June 9, 2025 14:58	06/09/2025 17:47
Sep01-OUTLET@0.5'	E5F0171-02	Soil	June 9, 2025 15:02	06/09/2025 17:47
Sep02-INLET@0.5'	E5F0171-03	Soil	June 9, 2025 15:12	06/09/2025 17:47
Sep02-OUTLET@0.5'	E5F0171-04	Soil	June 9, 2025 15:07	06/09/2025 17:47
Sep03-INLET@0.5'	E5F0171-05	Soil	June 9, 2025 15:22	06/09/2025 17:47
Sep03-OUTLET@0.5'	E5F0171-06	Soil	June 9, 2025 15:27	06/09/2025 17:47
Sep04-INLET@0.5'	E5F0171-07	Soil	June 9, 2025 15:36	06/09/2025 17:47
Sep04-OUTLET@0.5'	E5F0171-08	Soil	June 9, 2025 15:31	06/09/2025 17:47
Sep05-INLET@0.5'	E5F0171-09	Soil	June 9, 2025 15:53	06/09/2025 17:47
Sep05-OUTLET@0.5'	E5F0171-10	Soil	June 9, 2025 15:48	06/09/2025 17:47
Sep06-INLET@0.5'	E5F0171-11	Soil	June 9, 2025 15:57	06/09/2025 17:47
Sep06-OUTLET@0.5'	E5F0171-12	Soil	June 9, 2025 16:01	06/09/2025 17:47
Sep01-INLET@0.5'-V	E5F0171-13	Soil	June 9, 2025 14:58	06/09/2025 17:47
Sep01-OUTLET@0.5'-V	E5F0171-14	Soil	June 9, 2025 15:02	06/09/2025 17:47

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Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sep02-INLET@0.5'-V	E5F0171-15	Soil	June 9, 2025 15:12	06/09/2025 17:47
Sep02-OUTLET@0.5'-V	E5F0171-16	Soil	June 9, 2025 15:07	06/09/2025 17:47
Sep03-INLET@0.5'-V	E5F0171-17	Soil	June 9, 2025 15:22	06/09/2025 17:47
Sep03-OUTLET@0.5'-V	E5F0171-18	Soil	June 9, 2025 15:27	06/09/2025 17:47
Sep04-INLET@0.5'-V	E5F0171-19	Soil	June 9, 2025 15:36	06/09/2025 17:47
Sep04-OUTLET@0.5'-V	E5F0171-20	Soil	June 9, 2025 15:31	06/09/2025 17:47
Sep05-INLET@0.5'-V	E5F0171-21	Soil	June 9, 2025 15:53	06/09/2025 17:47
Sep05-OUTLET@0.5'-V	E5F0171-22	Soil	June 9, 2025 15:48	06/09/2025 17:47
Sep06-INLET@0.5'-V	E5F0171-23	Soil	June 9, 2025 15:57	06/09/2025 17:47
Sep06-OUTLET@0.5'-V	E5F0171-24	Soil	June 9, 2025 16:01	06/09/2025 17:47
Native-BG01@0.5'	E5F0171-25	Soil	June 9, 2025 16:29	06/09/2025 17:47
Native-BG02@0.5'	E5F0171-26	Soil	June 9, 2025 16:34	06/09/2025 17:47
Native-BG03@0.5'	E5F0171-27	Soil	June 9, 2025 16:38	06/09/2025 17:47
Native-BG04@0.5'	E5F0171-28	Soil	June 9, 2025 16:44	06/09/2025 17:47

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Facility

ORIGINS
LABORATORY

analytical work sheet #

2370111

Page 1 of 5

Client: Ensolum

Project Manager: S. Espinoza

Key: W=Water

Telephone Number: -

Project Name: Joker 1N1 1N2 1N3 26N1-9HZ Facility

Key: GW=Groundwater

Email Address: Kmg Team

Project Number: 09A14171248

Key: SW=Surface Water

Key: WW=Waste Water

Key: L=Liquid

Key: Inv=Invoice Billing Info: LHA1

Key: S=soil | SO=soil | 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
							g/L	ppm	
1	SP01-INLET00.S	6-9-25	1458	3	S	UMP	X		
2	SP01-OUTLET00.S		1502						
3	SP02-INLET00.S		1512						
4	SP02-OUTLET00.S		1507						
5	SP03-INLET00.S		1522						
6	SP03-OUTLET00.S		1527						
7	SP04-INLET00.S		1536						
8	SP04-OUTLET00.S		1531						
9	SP05-INLET00.S		1553						
10	SP05-OUTLET00.S		1548						

Reinquisition By: Elizabeth Z.

Date: 6-9-25

Time: 1744

Received By: ME

Date: 6/9/25

Time: 1744

Temp Received: 2.7

Received On Ice? Yes No

Turnaround Time
 SAME DAY
 24 Hr
 48 Hr
 72 Hr
 Standard

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

Jeremy Espinoza
Project Number: 09A14171248
Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
Facility



CONFIDENTIAL

Client: Ensolom
 Address: _____
 Telephone Number: _____
 Email Address: Kmg Team
 Project Manager: J. Espinoza
 Project Name: Joker 1N1 1N2 1N3 26N1-9HZ Facility
 Project Number: 09A14171248
 Collected By: EZ
 Invoice/Billing Info: Initial
 S=Soil | SO=Soil | O=Oil | A=Air | G=Gas | UNP=Unpiped | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide
 W=Water
 GW=Groundwater
 SW=Surface Water
 WW=Waste Water
 L=Liquid

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis			Comments
							PH	S	N	
1	SP06-ILLET00S-V	6-9-25	1557	3	S	UNP	X			INTS, SRR, & EC added per Jeremy's email on 6/18/25 BTD
2	SP06-OUTLET00S		1601							
3	SP00-ILLET00S-V		1458				X			
4	SP01-OUTLET00S-V		1502							
5	SP02-ILLET00S-V		1512							
6	SP02-OUTLET00S-V		1507							
7	SP03-ILLET00S-V		1527							
8	SP03-OUTLET00S-V		1527							
9	SP04-ILLET00S-V		1536				X			
10	SP04-OUTLET00S-V		1531							

Reinquisitioned By: Elizabeth Z. Date: 6-9-25 Time: 1749 Received By: ME Date: 6/9/25 Time: 1747
 Requisitioned By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____

Temp Received: 27 Received On Ice? Yes No
 Turnaround Time: 48 Hr 72 Hrs SAME DAY 24 Hrs
 Standard

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



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Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservatives				Full Table 915-1 BTEXN 1,2,4/1,3,5-TMB TPH-GRO/DRO/CRO EC/pH/SAR/SP, Boron Table 915-1 Metals	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other		
SPDS-WLET00S-V	6-9-25	1533	3 X					X	
SPDS-WLET00S-V		1546	1 X					X	
SPDS-WLET00S-V		1557	1 X					X	
SPDS-WLET00S-V		1601	1 X					X	
White-B00200S-V		1629	2					X X	
White-B00200S-V		1634	1					X X	
White-B00300S-V		1638	1					X	
White-B00400S-V		1644	1					X	

Requisitioned By: Elizabeth E
Date: 6-9-25
Time: 1747

Received By: [Signature]
Date: 6/9/25
Time: 1747

Turnaround Time:
 Same Day
 48 Hr
 72 Hr
 Standard

Client: Ensolium LLC
Address: _____
Project Manager: Jeremy Espinoza
Project Name: Joker 1N1 1N2 1N3 26N1-9HZ Facility
Project Number: 09A14171248
Samples Collected By: EZ

Telephone Number: _____
Email Address: _____
KMG Team

Note: If needed, please provide partial report in 2 weeks or sooner with finished analysis.

Origins Laboratory

[Signature]

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Jeremy Espinoza
Project Number: 09A14171248
Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESF0171

Client: Ensolum

Client Project ID: Joker 1N1---

Checklist Completed by: SMC / NKM

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

Date/time completed: 6/10/25

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2.7 °C (Describe)

Thermometer ID: T-007

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 HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +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 be taken in the additional comments (above) and the case narrative.

RPE
Reviewed by (Project Manager)

6/10/25
Date/Time Reviewed

Origins Laboratory

EHO

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Project Number: 09A14171248
Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
Facility

Sep01-INLET@0.5'
6/9/2025 2:58:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.365		0.101	mg/L	1	B5F1020	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	106 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	88.8 %			70-130		"	"	"	
Surrogate: Toluene-d8	92.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	86.3 %			70-130		"	"	"	

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 Facility

Sep01-INLET@0.5'
6/9/2025 2:58:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-01 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.19		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

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Sep01-INLET@0.5'
6/9/2025 2:58:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
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Surrogate: Fluorene-d10	105 %			60-130		"	"	"	
Surrogate: Anthracene-d10	99.5 %			60-130		"	"	"	
Surrogate: Pyrene-d10	92.8 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.5 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.33			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.406		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.223		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	4.46		0.266	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	141		75.3	"	"	"	"	"	
Cadmium	ND		0.349	"	"	"	"	"	
Copper	ND		42.2	"	"	"	"	"	

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Sep01-INLET@0.5'
6/9/2025 2:58:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		12.8	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Nickel	ND		23.9	"	"	"	"	"	
Selenium	0.262		0.239	"	"	"	"	"	
Silver	ND		0.734	"	"	"	"	"	
Zinc	ND		340	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.245	0.503	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
Facility

Sep01-OUTLET@0.5'
6/9/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.209		0.0992	mg/L	1	B5F1020	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	108 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.6 %			70-130		"	"	"	
Surrogate: Toluene-d8	84.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	90.2 %			70-130		"	"	"	

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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep01-OUTLET@0.5'
6/9/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	19.8		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	2.25		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep01-OUTLET@0.5'
6/9/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-02 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
Surrogate: Fluorene-d10	103 %			60-130		"	"	"	
Surrogate: Anthracene-d10	97.6 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.5 %			60-130		"	"	"	

pH in Soil by 9045D

pH	7.95			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.113		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.73		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.40		0.281	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	ND		79.4	"	"	"	"	"	
Cadmium	ND		0.368	"	"	"	"	"	
Copper	ND		44.6	"	"	"	"	"	

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep01-OUTLET@0.5'
6/9/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		13.6	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Nickel	ND		25.2	"	"	"	"	"	
Selenium	ND		0.252	"	"	"	"	"	
Silver	ND		0.775	"	"	"	"	"	
Zinc	ND		358	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-INLET@0.5'
6/9/2025 3:12:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-03 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.105		0.101	mg/L	1	B5F1023	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	107 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	100 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.1 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	84.6 %			70-130		"	"	"	

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-INLET@0.5'
6/9/2025 3:12:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-03 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	2.07		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	0.021		0.020	"	"	"	"	"	
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	0.037		0.020	"	"	"	"	"	
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-INLET@0.5'
6/9/2025 3:12:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-03 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Fluorene-d10	102 %			60-130		B5F1030	06/10/2025	06/10/2025	
Surrogate: Anthracene-d10	98.3 %			60-130		"	"	"	
Surrogate: Pyrene-d10	99.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.8 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.19			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.110		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.270		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	4.80		0.246	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	ND		69.5	"	"	"	"	"	
Cadmium	ND		0.322	"	"	"	"	"	
Copper	ND		39.0	"	"	"	"	"	
Lead	15.0		11.9	"	"	"	"	"	
Nickel	ND		22.0	"	"	"	"	"	

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-INLET@0.5'
6/9/2025 3:12:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-03 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Selenium	0.302		0.220	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Silver	ND		0.678	"	"	"	"	"	
Zinc	ND		314	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-OUTLET@0.5'
6/9/2025 3:07:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-04 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.188		0.100	mg/L	1	B5F1023	06/10/2025	06/12/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	107 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	85.1 %			70-130		"	"	"	

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-OUTLET@0.5'
6/9/2025 3:07:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-04 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.86		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.010		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	
2-Methylnaphthalene	0.013		0.002	"	"	"	"	"	
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	0.003		0.002	"	"	"	"	"	
Pyrene	ND		0.020	"	"	"	"	"	U

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-OUTLET@0.5'
6/9/2025 3:07:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-04 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Fluorene-d10	101 %			60-130		B5F1030	06/10/2025	06/10/2025	
Surrogate: Anthracene-d10	97.3 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.0 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.8 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.16			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.0824		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.252		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.74		0.246	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	ND		69.7	"	"	"	"	"	
Cadmium	ND		0.323	"	"	"	"	"	
Copper	ND		39.1	"	"	"	"	"	
Lead	ND		11.9	"	"	"	"	"	

Origins Laboratory

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Jeremy Espinoza
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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep02-OUTLET@0.5'
6/9/2025 3:07:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-04 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Nickel	ND		22.1	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Selenium	ND		0.221	"	"	"	"	"	
Silver	ND		0.680	"	"	"	"	"	
Zinc	ND		314	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep03-INLET@0.5'
6/9/2025 3:22:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-05 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.328		0.102	mg/L	1	B5F1023	06/10/2025	06/12/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	105 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.9 %			70-130		"	"	"	
Surrogate: Toluene-d8	92.1 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	86.8 %			70-130		"	"	"	

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep03-INLET@0.5'
6/9/2025 3:22:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-05 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	2.14		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	0.859		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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	0.048		0.020	"	"	"	"	"	
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep03-INLET@0.5'
6/9/2025 3:22:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-05 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Fluorene-d10	102 %			60-130		B5F1030	06/10/2025	06/10/2025	
Surrogate: Anthracene-d10	98.6 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.4 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.4 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.19			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.182		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.363		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	5.12		0.251	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	126		71.1	"	"	"	"	"	
Cadmium	ND		0.330	"	"	"	"	"	
Copper	ND		39.9	"	"	"	"	"	
Lead	ND		12.1	"	"	"	"	"	
Nickel	ND		22.5	"	"	"	"	"	

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 Facility

Sep03-INLET@0.5'
6/9/2025 3:22:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-05 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Selenium	0.263		0.225	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Silver	ND		0.694	"	"	"	"	"	
Zinc	ND		321	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.247	0.507	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep03-OUTLET@0.5'
6/9/2025 3:27:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-06 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.101	mg/L	1	B5F1023	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	107 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.2 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.1 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	89.9 %			70-130		"	"	"	

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 Facility

Sep03-OUTLET@0.5'
6/9/2025 3:27:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-06 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.39		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.814		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

Origins Laboratory

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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep03-OUTLET@0.5'
6/9/2025 3:27:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-06 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
Surrogate: Fluorene-d10	104 %			60-130		"	"	"	
Surrogate: Anthracene-d10	101 %			60-130		"	"	"	
Surrogate: Pyrene-d10	95.7 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.8 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.18			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.896		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.294		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.98		0.246	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	ND		69.7	"	"	"	"	"	
Cadmium	ND		0.323	"	"	"	"	"	
Copper	ND		39.1	"	"	"	"	"	

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep03-OUTLET@0.5'
6/9/2025 3:27:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		11.9	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Nickel	ND		22.1	"	"	"	"	"	
Selenium	ND		0.221	"	"	"	"	"	
Silver	ND		0.680	"	"	"	"	"	
Zinc	ND		314	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep04-INLET@0.5'
6/9/2025 3:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-07 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.132		0.0999	mg/L	1	B5F1023	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	72.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %			70-130		"	"	"	
Surrogate: Toluene-d8	92.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	89.7 %			70-130		"	"	"	

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep04-INLET@0.5'
6/9/2025 3:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-07 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	0.877		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

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 Facility

Sep04-INLET@0.5'
6/9/2025 3:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-07 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
Surrogate: Fluorene-d10	102 %			60-130		"	"	"	
Surrogate: Anthracene-d10	98.2 %			60-130		"	"	"	
Surrogate: Pyrene-d10	93.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.8 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.34			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.0594		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.123		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	17.1		0.280	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	ND		79.2	"	"	"	"	"	
Cadmium	ND		0.367	"	"	"	"	"	
Copper	ND		44.4	"	"	"	"	"	

Origins Laboratory

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 Facility

Sep04-INLET@0.5'
6/9/2025 3:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	14.1		13.5	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Nickel	ND		25.1	"	"	"	"	"	
Selenium	1.48		0.251	"	"	"	"	"	
Silver	ND		0.773	"	"	"	"	"	
Zinc	ND		357	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep04-OUTLET@0.5'
6/9/2025 3:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-08 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.17		0.0991	mg/L	1	B5F1023	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	74.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.8 %			70-130		"	"	"	
Surrogate: Toluene-d8	90.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	90.0 %			70-130		"	"	"	

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 Facility

Sep04-OUTLET@0.5'
6/9/2025 3:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-08 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	36.3		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	11.6		0.823	"	"	"	"	"	
Sodium	21.2		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep04-OUTLET@0.5'
6/9/2025 3:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-08 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Fluorene-d10	99.4 %			60-130		B5F1030	06/10/2025	06/10/2025	
Surrogate: Anthracene-d10	98.0 %			60-130		"	"	"	
Surrogate: Pyrene-d10	95.6 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.5 %			60-130		"	"	"	

pH in Soil by 9045D

pH	7.97			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	4.32		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.49		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.96		0.264	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	ND		74.7	"	"	"	"	"	
Cadmium	ND		0.346	"	"	"	"	"	
Copper	ND		41.9	"	"	"	"	"	
Lead	ND		12.8	"	"	"	"	"	

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep04-OUTLET@0.5'
6/9/2025 3:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Nickel	ND		23.7	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Selenium	ND		0.237	"	"	"	"	"	
Silver	ND		0.729	"	"	"	"	"	
Zinc	ND		337	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-INLET@0.5'
6/9/2025 3:53:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-09 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.108		0.0981	mg/L	1	B5F1023	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	71.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	90.4 %			70-130		"	"	"	

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-INLET@0.5'
6/9/2025 3:53:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-09 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	3.42		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	1.82		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-INLET@0.5'
6/9/2025 3:53:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-09 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
Surrogate: Fluorene-d10	99.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	97.8 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.3 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.12			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.165		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.633		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.87		0.267	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	97.5		75.5	"	"	"	"	"	
Cadmium	ND		0.350	"	"	"	"	"	
Copper	ND		42.3	"	"	"	"	"	

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-INLET@0.5'
6/9/2025 3:53:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-09 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		12.9	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Nickel	ND		23.9	"	"	"	"	"	
Selenium	0.267		0.239	"	"	"	"	"	
Silver	ND		0.736	"	"	"	"	"	
Zinc	ND		340	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Ensolum
 11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-OUTLET@0.5'
6/9/2025 3:48:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-10 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.579		0.101	mg/L	1	B5F1023	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	73.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.8 %			70-130		"	"	"	
Surrogate: Toluene-d8	98.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	89.6 %			70-130		"	"	"	

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-OUTLET@0.5'
6/9/2025 3:48:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-10 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	43.5		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	22.9		0.823	"	"	"	"	"	
Sodium	57.2		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-OUTLET@0.5'
6/9/2025 3:48:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-10 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Fluorene-d10	100 %			60-130		B5F1030	06/10/2025	06/10/2025	
Surrogate: Anthracene-d10	98.5 %			60-130		"	"	"	
Surrogate: Pyrene-d10	97.2 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	96.7 %			60-130		"	"	"	

pH in Soil by 9045D

pH	7.86			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	9.91		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	10.1		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.39		0.272	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Barium	ND		76.9	"	"	"	"	"	
Cadmium	ND		0.356	"	"	"	"	"	
Copper	ND		43.1	"	"	"	"	"	
Lead	ND		13.1	"	"	"	"	"	

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-OUTLET@0.5'
6/9/2025 3:48:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-10 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Nickel	ND		24.4	mg/kg	10	B5F1034	06/10/2025	06/12/2025	
Selenium	ND		0.244	"	"	"	"	"	
Silver	ND		0.750	"	"	"	"	"	
Zinc	ND		347	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-INLET@0.5'
6/9/2025 3:57:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-11 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.111		0.100	mg/L	1	B5F1023	06/10/2025	06/12/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	72.2 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/10/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %			70-130		"	"	"	
Surrogate: Toluene-d8	92.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	89.9 %			70-130		"	"	"	

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-INLET@0.5'
6/9/2025 3:57:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-11 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Calcium	1.14		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
PAH by EPA 8270E extracted via 3580A									
1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-INLET@0.5'
6/9/2025 3:57:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-11 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
Surrogate: Fluorene-d10	98.3 %			60-130		"	"	"	
Surrogate: Anthracene-d10	98.1 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.2 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.25			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.132		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.177		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.22		0.273	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Barium	ND		77.2	"	"	"	"	"	
Cadmium	ND		0.358	"	"	"	"	"	
Copper	ND		43.3	"	"	"	"	"	

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-INLET@0.5'
6/9/2025 3:57:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-11 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		13.2	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Nickel	ND		24.5	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	"	
Silver	ND		0.753	"	"	"	"	"	
Zinc	ND		348	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.501	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-OUTLET@0.5'
6/9/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-12 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.36		0.0988	mg/L	1	B5F1023	06/10/2025	06/12/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1032	06/10/2025	06/10/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	74.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1028	06/10/2025	06/11/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	121 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	90.0 %			70-130		"	"	"	

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-OUTLET@0.5'
6/9/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-12 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	0.769		0.499	meq/L	10	[CALC]	06/10/2025	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.17		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
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

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-OUTLET@0.5'
6/9/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-12 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5F1030	06/10/2025	06/10/2025	U
Surrogate: Fluorene-d10	100 %			60-130		"	"	"	
Surrogate: Anthracene-d10	96.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	96.7 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.51			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	4.35		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.472		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.68		0.261	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Barium	79.9		73.8	"	"	"	"	"	
Cadmium	ND		0.342	"	"	"	"	"	
Copper	ND		41.4	"	"	"	"	"	

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-OUTLET@0.5'
6/9/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-12 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		12.6	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Nickel	ND		23.4	"	"	"	"	"	
Selenium	ND		0.234	"	"	"	"	"	
Silver	ND		0.720	"	"	"	"	"	
Zinc	ND		333	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep01-INLET@0.5'-V

6/9/2025 2:58:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-13 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	8.41			pH Units	1	B5F1027	06/10/2025	06/12/2025	

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 Facility

Sep01-OUTLET@0.5'-V

6/9/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-14 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	7.99			pH Units	1	B5F1027	06/10/2025	06/12/2025	

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 Facility

Sep02-INLET@0.5'-V

6/9/2025 3:12:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-15 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	8.21			pH Units	1	B5F1027	06/10/2025	06/12/2025	

Origins Laboratory

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 Facility

Sep02-OUTLET@0.5'-V

6/9/2025 3:07:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-16 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	8.41			pH Units	1	B5F1027	06/10/2025	06/12/2025	

Origins Laboratory

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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep03-INLET@0.5'-V

6/9/2025 3:22:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-17 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	8.27			pH Units	1	B5F1027	06/10/2025	06/12/2025	

Origins Laboratory

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 Facility

Sep03-OUTLET@0.5'-V

6/9/2025 3:27:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-18 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	8.25			pH Units	1	B5F1027	06/10/2025	06/12/2025	

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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep04-INLET@0.5'-V
6/9/2025 3:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-19 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	8.43			pH Units	1	B5F1027	06/10/2025	06/12/2025	
Table 915 metals by EPA 6020B									
Arsenic	3.46		0.274	mg/kg	10	B5F1837	06/18/2025	06/20/2025	
Selenium	0.290		0.246	"	"	"	"	"	

Origins Laboratory

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 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep04-OUTLET@0.5'-V

6/9/2025 3:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-20 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	7.85			pH Units	1	B5F1027	06/10/2025	06/12/2025	

Origins Laboratory

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A14171248

Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ Facility

Sep05-INLET@0.5'-V

6/9/2025 3:53:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-21 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	8.04			pH Units	1	B5F1027	06/10/2025	06/12/2025	

Origins Laboratory

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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep05-OUTLET@0.5'-V
6/9/2025 3:48:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-22 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Calcium	51.3		0.499	meq/L	10	[CALC]	06/18/2025	06/19/2025	
Magnesium	30.9		0.823	"	"	"	"	"	
Sodium	63.5		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	7.80			pH Units	1	B5F1027	06/10/2025	06/12/2025	
SAR by 20B Saturated Paste									
SAR	9.91		0.0100	SAR	1	B5F1809	06/18/2025	06/19/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	12.4		0.00500	mmhos/cm	1	B5F1813	06/18/2025	06/19/2025	

Origins Laboratory

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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-INLET@0.5'-V
6/9/2025 3:57:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-23 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	8.31			pH Units	1	B5F1027	06/10/2025	06/12/2025	

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Sep06-OUTLET@0.5'-V

6/9/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5F0171-24 (Soil) Origins Laboratory									
pH in Soil by 9045D									
pH	8.21			pH Units	1	B5F1027	06/10/2025	06/12/2025	

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG01@0.5'
6/9/2025 4:29:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-25 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.561		0.0995	mg/L	1	B5F1023	06/10/2025	06/12/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	2.28		0.499	meq/L	10	[CALC]	"	06/12/2025	
Magnesium	0.832		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.07			pH Units	1	B5F1027	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.129		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.372		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	5.18		0.252	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Barium	161		71.4	"	"	"	"	"	
Cadmium	ND		0.331	"	"	"	"	"	

Origins Laboratory

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG01@0.5'
6/9/2025 4:29:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-25 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		40.0	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Lead	ND		12.2	"	"	"	"	"	
Nickel	ND		22.6	"	"	"	"	"	
Selenium	0.256		0.226	"	"	"	"	"	
Silver	ND		0.697	"	"	"	"	"	
Zinc	ND		322	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG02@0.5'
6/9/2025 4:34:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-26 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.651		0.0983	mg/L	1	B5F1023	06/10/2025	06/12/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	3.27		0.499	meq/L	10	[CALC]	"	06/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.23			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.0608		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.417		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	5.24		0.250	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Barium	153		70.6	"	"	"	"	"	
Cadmium	ND		0.327	"	"	"	"	"	

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG02@0.5'
6/9/2025 4:34:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-26 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		39.6	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Lead	ND		12.1	"	"	"	"	"	
Nickel	ND		22.4	"	"	"	"	"	
Selenium	0.335		0.224	"	"	"	"	"	
Silver	ND		0.689	"	"	"	"	"	
Zinc	ND		319	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG03@0.5'
6/9/2025 4:38:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-27 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.698		0.0991	mg/L	1	B5F1023	06/10/2025	06/12/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.87		0.499	meq/L	10	[CALC]	"	06/12/2025	
Magnesium	0.894		0.823	"	"	"	"	"	
Sodium	0.510		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.32			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	0.433		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.506		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	5.06		0.269	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Barium	164		76.1	"	"	"	"	"	
Cadmium	ND		0.353	"	"	"	"	"	
Copper	ND		42.7	"	"	"	"	"	

Origins Laboratory

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG03@0.5'
6/9/2025 4:38:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-27 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		13.0	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Nickel	ND		24.1	"	"	"	"	"	
Selenium	0.305		0.241	"	"	"	"	"	
Silver	ND		0.743	"	"	"	"	"	
Zinc	ND		344	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.246	0.506	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG04@0.5'
6/9/2025 4:44:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-28 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	1.39		0.0985	mg/L	1	B5F1023	06/10/2025	06/12/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	54.5		0.499	meq/L	10	[CALC]	"	06/12/2025	
Magnesium	18.0		0.823	"	"	"	"	"	
Sodium	14.1		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.27			pH Units	1	B5F1026	06/10/2025	06/12/2025	
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SAR by 20B Saturated Paste

SAR	2.34		0.0100	SAR	1	B5F1024	06/10/2025	06/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	9.64		0.00500	mmhos/cm	1	B5F1026	06/10/2025	06/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	7.47		0.266	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Barium	145		75.1	"	"	"	"	"	
Cadmium	ND		0.348	"	"	"	"	"	
Copper	ND		42.2	"	"	"	"	"	

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Jeremy Espinoza
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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

Native-BG04@0.5'
6/9/2025 4:44:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5F0171-28 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	14.9		12.8	mg/kg	10	B5F1034	06/10/2025	06/11/2025	
Nickel	ND		23.8	"	"	"	"	"	"
Selenium	0.417		0.238	"	"	"	"	"	"
Silver	ND		0.733	"	"	"	"	"	"
Zinc	ND		339	"	"	"	"	"	"

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A103599	06/09/2025	06/13/2025	
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 Facility

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 B5F1020 - DTPA Sorbitol Preparation

Blank (B5F1020-BLK1)										
					Prepared: 06/10/2025 Analyzed: 06/12/2025					
Boron	ND	0.100	mg/L							
Duplicate (B5F1020-DUP1)										
					Source: E5F0167-01 Prepared: 06/10/2025 Analyzed: 06/12/2025					
Boron	0.300	0.0997	mg/L		0.325			8.11	50	

Batch B5F1023 - DTPA Sorbitol Preparation

Blank (B5F1023-BLK1)										
					Prepared: 06/10/2025 Analyzed: 06/12/2025					
Boron	ND	0.100	mg/L							
Duplicate (B5F1023-DUP1)										
					Source: E5F0169-01 Prepared: 06/10/2025 Analyzed: 06/12/2025					
Boron	0.0695	0.101	mg/L		0.0624			10.8	50	

Batch B5F1024 - Saturated Paste Metals

Blank (B5F1024-BLK1)										
					Prepared: 06/10/2025 Analyzed: 06/12/2025					
Calcium PPM	ND	10.0	mg/L							
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							
Duplicate (B5F1024-DUP1)										
					Source: E5F0169-04 Prepared: 06/10/2025 Analyzed: 06/12/2025					
Calcium PPM	1.35	10.0	mg/L		2.02			39.8	50	
SAR	ND	0.0100	SAR		0.0759				200	
Magnesium PPM	1.87	10.0	mg/L		5.97			105	50	QR-DUP
Sodium PPM	0.550	10.0	"		0.950			53.3	50	QR-DUP

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 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

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 B5F1809 - Saturated Paste Metals

Blank (B5F1809-BLK1)

Prepared: 06/18/2025 Analyzed: 06/19/2025

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

Duplicate (B5F1809-DUP1)

Source: E5F0339-01

Prepared: 06/18/2025 Analyzed: 06/19/2025

SAR	ND	0.0100	SAR	75.2				200		
Calcium PPM	53.6	10.0	mg/L	55.7				3.75	50	
Magnesium PPM	7.27	10.0	"	7.52				3.38	50	
Sodium PPM	2270	100	"	2250				0.598	50	

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

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 B5F1030 - EPA 3580

Blank (B5F1030-BLK1)

Prepared: 06/10/2025 Analyzed: 06/10/2025

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Pyrene	ND	0.020	"							U

Surrogate: Fluorene-d10	210		ug/kg	200	105	60-130				
Surrogate: Anthracene-d10	200		"	200	99.9	60-130				
Surrogate: Pyrene-d10	190		"	200	96.8	60-130				
Surrogate: Benzo (a) pyrene-d12	190		"	200	95.5	60-130				

LCS (B5F1030-BS1)

Prepared: 06/10/2025 Analyzed: 06/10/2025

1-Methylnaphthalene	0.228	0.002	mg/kg	0.200	114	70-130				
2-Methylnaphthalene	0.213	0.002	"	0.200	106	70-130				
Acenaphthene	0.219	0.020	"	0.200	109	70-130				
Anthracene	0.214	0.020	"	0.200	107	70-130				
Benzo (a) anthracene	0.216	0.005	"	0.200	108	70-130				
Benzo (a) pyrene	0.208	0.020	"	0.200	104	70-130				

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

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 B5F1030 - EPA 3580

LCS (B5F1030-BS1)

Prepared: 06/10/2025 Analyzed: 06/10/2025

Benzo (b) fluoranthene	0.215	0.020	mg/kg	0.200		107	70-130			
Benzo (k) fluoranthene	0.218	0.020	"	0.200		109	70-130			
Chrysene	0.216	0.020	"	0.200		108	70-130			
Dibenz (a,h) anthracene	0.208	0.020	"	0.200		104	70-130			
Fluoranthene	0.225	0.020	"	0.200		113	70-130			
Fluorene	0.226	0.020	"	0.200		113	70-130			
Indeno (1,2,3-cd) pyrene	0.204	0.020	"	0.200		102	70-130			
Naphthalene	0.220	0.002	"	0.200		110	70-130			
Pyrene	0.215	0.020	"	0.200		108	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	200		"	200		99.9	60-130			
Surrogate: Pyrene-d10	200		"	200		98.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.6	60-130			

Matrix Spike (B5F1030-MS1)

Source: E5F0159-01

Prepared: 06/10/2025 Analyzed: 06/10/2025

1-Methylnaphthalene	0.251	0.002	mg/kg	0.200	0.006	122	70-130			
2-Methylnaphthalene	0.234	0.002	"	0.200	0.006	114	70-130			
Acenaphthene	0.233	0.020	"	0.200	0.017	108	70-130			
Anthracene	0.245	0.020	"	0.200	0.027	109	70-130			
Benzo (a) anthracene	0.241	0.005	"	0.200	0.020	110	70-130			
Benzo (a) pyrene	0.222	0.020	"	0.200	0.016	103	70-130			
Benzo (b) fluoranthene	0.232	0.020	"	0.200	0.013	109	70-130			
Benzo (k) fluoranthene	0.238	0.020	"	0.200	0.007	115	70-130			
Chrysene	0.249	0.020	"	0.200	0.021	114	70-130			
Dibenz (a,h) anthracene	0.199	0.020	"	0.200	0.003	97.9	70-130			
Fluoranthene	0.302	0.020	"	0.200	0.058	122	70-130			
Fluorene	0.251	0.020	"	0.200	0.017	117	70-130			

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

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 B5F1030 - EPA 3580

Matrix Spike (B5F1030-MS1)		Source: E5F0159-01			Prepared: 06/10/2025 Analyzed: 06/10/2025					
Indeno (1,2,3-cd) pyrene	0.201	0.020	mg/kg	0.200	0.007	96.9	70-130			
Naphthalene	0.224	0.002	"	0.200	0.012	106	70-130			
Pyrene	0.253	0.020	"	0.200	0.041	106	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	200		"	200		98.7	60-130			
Surrogate: Pyrene-d10	190		"	200		95.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		97.8	60-130			

Matrix Spike Dup (B5F1030-MSD1)		Source: E5F0159-01			Prepared: 06/10/2025 Analyzed: 06/10/2025					
1-Methylnaphthalene	0.249	0.002	mg/kg	0.200	0.006	121	70-130	0.858	20	
2-Methylnaphthalene	0.231	0.002	"	0.200	0.006	112	70-130	1.18	20	
Acenaphthene	0.239	0.020	"	0.200	0.017	111	70-130	2.81	20	
Anthracene	0.248	0.020	"	0.200	0.027	110	70-130	1.41	20	
Benzo (a) anthracene	0.246	0.005	"	0.200	0.020	113	70-130	1.83	20	
Benzo (a) pyrene	0.228	0.020	"	0.200	0.016	106	70-130	2.69	20	
Benzo (b) fluoranthene	0.235	0.020	"	0.200	0.013	111	70-130	1.34	20	
Benzo (k) fluoranthene	0.238	0.020	"	0.200	0.007	115	70-130	0.125	20	
Chrysene	0.254	0.020	"	0.200	0.021	116	70-130	2.05	20	
Dibenz (a,h) anthracene	0.217	0.020	"	0.200	0.003	107	70-130	9.02	20	
Fluoranthene	0.306	0.020	"	0.200	0.058	124	70-130	1.31	20	
Fluorene	0.247	0.020	"	0.200	0.017	115	70-130	1.59	20	
Indeno (1,2,3-cd) pyrene	0.220	0.020	"	0.200	0.007	106	70-130	9.04	20	
Naphthalene	0.228	0.002	"	0.200	0.012	108	70-130	2.00	20	
Pyrene	0.265	0.020	"	0.200	0.041	112	70-130	4.49	20	
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	200		"	200		98.8	60-130			
Surrogate: Pyrene-d10	190		"	200		96.7	60-130			

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 Facility

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 B5F1030 - EPA 3580

Matrix Spike Dup (B5F1030-MSD1)

Source: E5F0159-01

Prepared: 06/10/2025 Analyzed: 06/10/2025

Surrogate: Benzo (a) pyrene-d12	200		ug/kg	200	99.9		60-130			
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 Facility

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
Batch B5F1032 - EPA 3550B										
Blank (B5F1032-BLK1)										
					Prepared: 06/10/2025 Analyzed: 06/10/2025					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	32		"	24.9		129	50-150			
LCS (B5F1032-BS1)										
					Prepared: 06/10/2025 Analyzed: 06/10/2025					
Diesel (C10-C28)	986	50.0	mg/kg	1000		98.6	70-130			
Residual Range Organics (C28-C40)	967	200	"	1000		96.7	70-130			
Surrogate: o-Terphenyl	67		"	49.8		134	50-150			
Matrix Spike (B5F1032-MS1)										
		Source: E5F0171-01			Prepared: 06/10/2025 Analyzed: 06/10/2025					
Diesel (C10-C28)	892	50.0	mg/kg	1000	ND	89.2	70-130			
Residual Range Organics (C28-C40)	886	200	"	1000	ND	88.6	70-130			
Surrogate: o-Terphenyl	56		"	49.8		112	50-150			
Matrix Spike Dup (B5F1032-MSD1)										
		Source: E5F0171-01			Prepared: 06/10/2025 Analyzed: 06/10/2025					
Diesel (C10-C28)	882	50.0	mg/kg	1000	ND	88.2	70-130	1.18	35	
Residual Range Organics (C28-C40)	875	200	"	1000	ND	87.5	70-130	1.23	35	
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

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Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

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 B5F1034 - EPA 3050B

Prepared: 06/10/2025 Analyzed: 06/12/2025

Blank (B5F1034-BLK1)

Arsenic	ND	0.290	mg/kg
Barium	ND	82.0	"
Cadmium	ND	0.380	"
Copper	ND	46.0	"
Lead	ND	14.0	"
Nickel	ND	26.0	"
Selenium	ND	0.260	"
Silver	ND	0.800	"
Zinc	ND	370	"

Prepared: 06/10/2025 Analyzed: 06/12/2025

LCS (B5F1034-BS1)

Arsenic	5.70	0.290	mg/kg	5.00	114	80-120
Barium	544	82.0	"	500	109	80-120
Cadmium	5.59	0.380	"	5.00	112	80-120
Copper	53.9	46.0	"	50.0	108	80-120
Lead	5.36	14.0	"	5.00	107	80-120
Nickel	5.43	26.0	"	5.00	109	80-120
Selenium	5.87	0.260	"	5.00	117	80-120
Silver	5.30	0.800	"	5.00	106	80-120
Zinc	52.4	370	"	50.0	105	80-120

Prepared: 06/10/2025 Analyzed: 06/12/2025

Matrix Spike (B5F1034-MS1)

Source: E5F0171-01

Arsenic	10.1	0.266	mg/kg	4.58	4.46	122	75-125
Barium	657	75.1	"	458	141	113	75-125
Cadmium	5.62	0.348	"	4.58	0.268	117	75-125
Copper	63.2	42.1	"	45.8	11.1	114	75-125
Lead	13.9	12.8	"	4.58	8.55	118	75-125

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171248
 Project: KMG - Joker 1N1 1N2 1N3 26N1-9HZ
 Facility

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 B5F1034 - EPA 3050B

Matrix Spike (B5F1034-MS1)

Source: E5F0171-01

Prepared: 06/10/2025 Analyzed: 06/12/2025

Nickel	16.6	23.8	mg/kg	4.58	10.4	137	75-125			QM-07
Selenium	5.77	0.238	"	4.58	0.262	120	75-125			
Silver	5.16	0.733	"	4.58	0.134	110	75-125			
Zinc	90.9	339	"	45.8	40.7	110	75-125			

Matrix Spike Dup (B5F1034-MSD1)

Source: E5F0171-01

Prepared: 06/10/2025 Analyzed: 06/12/2025

Arsenic	14.8	0.268	mg/kg	4.62	4.46	224	75-125	38.2	20	QM-07, QR-DUP
Barium	658	75.7	"	462	141	112	75-125	0.136	20	
Cadmium	5.66	0.351	"	4.62	0.268	117	75-125	0.651	20	
Copper	64.3	42.5	"	46.2	11.1	115	75-125	1.71	20	
Lead	14.8	12.9	"	4.62	8.55	136	75-125	6.12	20	QM-07
Nickel	20.1	24.0	"	4.62	10.4	211	75-125	18.8	20	QM-07
Selenium	5.71	0.240	"	4.62	0.262	118	75-125	1.05	20	
Silver	5.09	0.739	"	4.62	0.134	107	75-125	1.36	20	
Zinc	121	342	"	46.2	40.7	173	75-125	28.0	20	QM-07, QR-DUP

Batch B5F1837 - EPA 3050B

Blank (B5F1837-BLK1)

Prepared: 06/18/2025 Analyzed: 06/20/2025

Arsenic	ND	0.290	mg/kg							
Barium	ND	82.0	"							
Cadmium	ND	0.380	"							
Copper	ND	46.0	"							
Lead	ND	14.0	"							
Nickel	ND	26.0	"							
Selenium	ND	0.260	"							

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 Wheat Ridge CO 80033

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 Facility

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 B5F1837 - EPA 3050B

Blank (B5F1837-BLK1)

Prepared: 06/18/2025 Analyzed: 06/20/2025

Silver	ND	0.800	mg/kg							
Zinc	ND	370	"							

LCS (B5F1837-BS1)

Prepared: 06/18/2025 Analyzed: 06/20/2025

Arsenic	5.73	0.290	mg/kg	5.00		115	80-120			
Barium	569	82.0	"	500		114	80-120			
Cadmium	5.23	0.380	"	5.00		105	80-120			
Copper	55.0	46.0	"	50.0		110	80-120			
Lead	5.35	14.0	"	5.00		107	80-120			
Nickel	5.72	26.0	"	5.00		114	80-120			
Selenium	5.63	0.260	"	5.00		113	80-120			
Silver	5.46	0.800	"	5.00		109	80-120			
Zinc	57.2	370	"	50.0		114	80-120			

Matrix Spike (B5F1837-MS1)

Source: E5F0332-01

Prepared: 06/18/2025 Analyzed: 06/20/2025

Arsenic	7.49	0.259	mg/kg	4.47	1.97	124	75-125			
Barium	583	73.2	"	447	57.3	118	75-125			
Cadmium	5.22	0.339	"	4.47	0.169	113	75-125			
Copper	65.5	41.1	"	44.7	14.1	115	75-125			
Lead	12.6	12.5	"	4.47	8.03	102	75-125			
Nickel	11.1	23.2	"	4.47	5.28	129	75-125			QM-07
Selenium	5.36	0.232	"	4.47	0.185	116	75-125			
Silver	5.31	0.714	"	4.47	0.0243	118	75-125			
Zinc	82.5	330	"	44.7	28.7	120	75-125			

Matrix Spike Dup (B5F1837-MSD1)

Source: E5F0332-01

Prepared: 06/18/2025 Analyzed: 06/20/2025

Arsenic	6.55	0.244	mg/kg	4.21	1.97	109	75-125	13.4	20	
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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 B5F1837 - EPA 3050B

Matrix Spike Dup (B5F1837-MSD1)

Source: E5F0332-01

Prepared: 06/18/2025 Analyzed: 06/20/2025

Barium	551	69.1	mg/kg	421	57.3	117	75-125	5.58	20	
Cadmium	4.56	0.320	"	4.21	0.169	104	75-125	13.4	20	
Copper	58.5	38.8	"	42.1	14.1	105	75-125	11.2	20	
Lead	11.3	11.8	"	4.21	8.03	78.1	75-125	10.5	20	
Nickel	10.1	21.9	"	4.21	5.28	115	75-125	8.99	20	
Selenium	4.98	0.219	"	4.21	0.185	114	75-125	7.25	20	
Silver	4.68	0.674	"	4.21	0.0243	110	75-125	12.6	20	
Zinc	76.8	312	"	42.1	28.7	114	75-125	7.08	20	

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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 B5F1026 - Saturated Paste pH/EC

Blank (B5F1026-BLK1) Prepared: 06/10/2025 Analyzed: 06/12/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5F1026-DUP1) Source: E5F0169-04 Prepared: 06/10/2025 Analyzed: 06/12/2025

Specific Conductance (EC) 0.0650 0.00500 mmhos/cm 0.0493 27.5 25 QR-DUP

pH 6.39 pH Units 6.33 0.943 25

Batch B5F1027 - Saturated Paste pH/EC

Duplicate (B5F1027-DUP1) Source: E5F0169-02 Prepared: 06/10/2025 Analyzed: 06/12/2025

pH 8.24 pH Units 8.26 0.242 25

Batch B5F1813 - Saturated Paste pH/EC

Blank (B5F1813-BLK1) Prepared: 06/18/2025 Analyzed: 06/19/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5F1813-DUP1) Source: E5F0339-01 Prepared: 06/18/2025 Analyzed: 06/19/2025

Specific Conductance (EC) 11.0 0.00500 mmhos/cm 11.0 0.400 25

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 Facility

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 B5F1028 - EPA 5030 (soil)

Blank (B5F1028-BLK1)

Prepared: 06/10/2025 Analyzed: 06/10/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	100	70-130
Surrogate: Toluene-d8	0.13		"	0.125	102	70-130
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	88.7	70-130

LCS (B5F1028-BS1)

Prepared: 06/10/2025 Analyzed: 06/10/2025

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100	102	70-130
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	101	70-130
Benzene	0.0965	0.00200	"	0.100	96.5	70-130
Ethylbenzene	0.0901	0.00200	"	0.100	90.1	70-130
Toluene	0.0963	0.00200	"	0.100	96.3	70-130
o-Xylene	0.0891	0.00200	"	0.100	89.1	70-130
m,p-Xylene	0.192	0.00400	"	0.200	96.2	70-130

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	95.6	70-130
Surrogate: Toluene-d8	0.12		"	0.125	96.3	70-130
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	85.0	70-130

Matrix Spike (B5F1028-MS1)

Source: E5F0169-01

Prepared: 06/10/2025 Analyzed: 06/10/2025

1,2,4-Trimethylbenzene	0.0959	0.00200	mg/kg	0.100	ND	95.9	70-130
1,3,5-Trimethylbenzene	0.0939	0.00200	"	0.100	ND	93.9	70-130
Benzene	0.0934	0.00200	"	0.100	ND	93.4	70-130

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 Wheat Ridge CO 80033

Jeremy Espinoza
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 Facility

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 B5F1028 - EPA 5030 (soil)

Matrix Spike (B5F1028-MS1)		Source: E5F0169-01			Prepared: 06/10/2025 Analyzed: 06/10/2025					
Ethylbenzene	0.0857	0.00200	mg/kg	0.100	ND	85.7	70-130			
Toluene	0.0933	0.00200	"	0.100	ND	93.3	70-130			
o-Xylene	0.0917	0.00200	"	0.100	ND	91.7	70-130			
m,p-Xylene	0.184	0.00400	"	0.200	ND	92.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		88.1	70-130			

Matrix Spike Dup (B5F1028-MSD1)		Source: E5F0169-01			Prepared: 06/10/2025 Analyzed: 06/10/2025					
1,2,4-Trimethylbenzene	0.0933	0.00200	mg/kg	0.100	ND	93.3	70-130	2.75	20	
1,3,5-Trimethylbenzene	0.0924	0.00200	"	0.100	ND	92.4	70-130	1.63	20	
Benzene	0.0866	0.00200	"	0.100	ND	86.6	70-130	7.64	20	
Ethylbenzene	0.0857	0.00200	"	0.100	ND	85.7	70-130	0.0933	20	
Toluene	0.0796	0.00200	"	0.100	ND	79.6	70-130	15.8	20	
o-Xylene	0.0873	0.00200	"	0.100	ND	87.3	70-130	5.01	20	
m,p-Xylene	0.181	0.00400	"	0.200	ND	90.4	70-130	1.79	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		86.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.8	70-130			

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 Facility

**Total Metals 7196A - Quality Control
 Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A103599 -

DUP (L 95803-DUP)		Source: E5F0171-01			Prepared: Analyzed: 06/13/2025					
Chromium, Hexavalent	ND	0.506	mg/Kg		<0.506	-	0.5	20		
MS (L 95803-MS)		Source: E5F0171-01			Prepared: Analyzed: 06/13/2025					
Chromium, Hexavalent	6.95	0.5	mg/Kg	7.99	<0.244	87	75-125			
DUP (L 95822-DUP)		Source: 95822			Prepared: Analyzed: 06/13/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20		
LCS (LCS)		Prepared: Analyzed: 06/13/2025								
Chromium, Hexavalent	7.21	0.5	mg/Kg	8	90	75-125				
LRB (LRB)		Prepared: Analyzed: 06/13/2025								
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Facility

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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 Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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