



**Blue Star Helium**

**Peter Kondrat**

**5 Tamarade Dr.**

**Littleton**

**CO**

**80127**

**May 28, 2025**

**Project Name - Jackson #2 Lot4**

**Project Number - [none]**

Attached are your analytical results for Jackson #2 Lot4 received by Origins Laboratory May 01, 2025. This project is associated with Origins project number E5E0045-01.

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**





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Peter Kondrat

Project Number: [none]

Project: Jackson #2 Lot4

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
JX2L4-S1	E5E0045-01	Soil	May 1, 2025 6:00	05/01/2025 12:36
JX2L4-S2	E5E0045-02	Soil	May 1, 2025 6:15	05/01/2025 12:36
JX2L4-S3	E5E0045-03	Soil	May 1, 2025 6:15	05/01/2025 12:36

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Project Number: [none]

Project: Jackson #2 Lot4

1725 Elk Place

Denver, CO 80211

Phone: 303.433.1322

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# ORIGINS

LABORATORY, INC

# E5E0045

www.originslaboratory.com

page 1 of 1

Client: Blue Star Helium

Address: 2011 Forest Ave Durango CO 81301

Project Manager: Peter Kondrat

Project Name: Jackson #2 Lot4

Project Number:

Samples Collected by: plondrat@bluestarhelium.com

Telephone Number: 970-759-5370

Email Address: plondrat@bluestarhelium.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative		Matrix	Analysis	Sample Instructions
				Unpreserved	HCl			
JW214-S1	5/11/2025	6:00	2		X	Groundwater	X	Drill Cuttings
JW214-S2	5/11/2025	6:15	2		X	Soil	X	Drill Cuttings
JW214-S3	5/11/2025	6:15	2		X	Air Sampling Container #	X	Drill Cuttings
Note: Please provide results in 5 days								
Except Chrome 6								
Relinquished by: K. Kondrat								
Relinquished by: Andy Meyer								
Relinquished by: 5/11/2025								
Relinquished by: 12:30								
Relinquished by: NB								
Relinquished by: 5/11/25								
Relinquished by: 12:30								
Relinquished by: 48 Hr								
Relinquished by: 24 Hr								
Relinquished by: 72 Hr								
Relinquished by: 10								

25°C Vile

Date Results Needed



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Project Number: [none]

Project: Jackson #2 Lot4

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## Sample Receipt Checklist

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

Origins Work Order: ES60045

Client: Blue Star Helium

Client Project ID: Jackson #2 Lot4

Checklist Completed by: NKM/JAR

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 05/01/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 1 / 2.5 °C

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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontrasted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAcO2+NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) AS

5/2/25  
Date/Time Reviewed

Origins Laboratory

*EHO*

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Peter Kondrat

Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S1

5/1/2025 6:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0045-01 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>PAH by SW8270</b>									
1-Methylnaphthalene	ND	0.00290	0.00600	mg/kg	1	BIE0307	05/07/2025	05/07/2025	
2-Methylnaphthalene	ND	0.00724	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0402	0.0833	"	"	"	"	"	
Anthracene	ND	0.0402	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00531	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0402	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0402	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0402	0.0833	"	"	"	"	"	
Chrysene	ND	0.0402	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0402	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0402	0.0833	"	"	"	"	"	
Fluorene	ND	0.0402	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0402	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00184	0.00380	"	"	"	"	"	
Pyrene	ND	0.0402	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	45.8 %			15-96		"	"	"	
Surrogate: 2-Fluorobiphenyl (Surr)	15.7 %			19-105		"	"	"	S
Surrogate: 2-Fluorophenol (Surr)	53.3 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	42.2 %			21-100		"	"	"	

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JX2L4-S1

5/1/2025 6:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0045-01 (Soil)**  
**Enthalpy Analytical**

**PAH by SW8270**

Surrogate: Phenol-d5 (Surr)	49.2 %			13-100		BIE0307	05/07/2025	05/07/2025	
Surrogate: p-Terphenyl-d14 (Surr)	32.7 %			25-125		"	"	"	

**TOTAL METALS BY SW7199**

Chromium, Hexavalent	ND	0.16	0.20	mg/kg	1	BIE0529	05/12/2025	05/19/2025	
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**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	0.462		0.0992	mg/L	1	B5E0207	05/02/2025	05/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E0235	05/02/2025	05/05/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	75.6 %			50-150		"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E0180	05/01/2025	05/08/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

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Project: Jackson #2 Lot4

JX2L4-S1

5/1/2025 6:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0045-01 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B5E0180	05/01/2025	05/08/2025	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	78.4 %	70-130	"	"	"
Surrogate: Toluene-d8	94.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	83.3 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	22.0	0.499	meq/L	10	[CALC]	05/07/2025	05/10/2025
Magnesium	2.70	0.823	"	"	"	"	"
Sodium	30.5	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.15	pH Units	1	B5E0750	05/07/2025	05/09/2025
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**SAR by 20B Saturated Paste**

SAR	8.67	0.0100	SAR	1	B5E0744	05/07/2025	05/10/2025
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Project: Jackson #2 Lot4

JX2L4-S1

5/1/2025 6:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0045-01 (Soil)  
Origins Laboratory

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	4.57	0.00500	mmhos/cm	1	B5E0750	05/07/2025	05/09/2025
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**Table 915 metals by EPA 6020B**

Arsenic	1.45	0.262	mg/kg	10	B5E0244	05/02/2025	05/03/2025
Barium	111	74.1	"	"	"	"	"
Cadmium	ND	0.343	"	"	"	"	"
Copper	ND	41.6	"	"	"	"	"
Lead	ND	12.6	"	"	"	"	"
Nickel	ND	23.5	"	"	"	"	"
Selenium	ND	0.235	"	"	"	"	"
Silver	ND	0.723	"	"	"	"	"
Zinc	ND	334	"	"	"	"	"

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Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S2

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0045-02 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>PAH by SW8270</b>									
1-Methylnaphthalene	ND	0.00282	0.00600	mg/kg	1	BIE0307	05/07/2025	05/07/2025	
2-Methylnaphthalene	ND	0.00704	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0391	0.0833	"	"	"	"	"	
Anthracene	ND	0.0391	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00516	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0391	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0391	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0391	0.0833	"	"	"	"	"	
Chrysene	ND	0.0391	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0391	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0391	0.0833	"	"	"	"	"	
Fluorene	ND	0.0391	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0391	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00178	0.00380	"	"	"	"	"	
Pyrene	ND	0.0391	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	47.9 %			15-96		"	"	"	
Surrogate: 2-Fluorobiphenyl (Surr)	28.2 %			19-105		"	"	"	
Surrogate: 2-Fluorophenol (Surr)	77.5 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	42.3 %			21-100		"	"	"	

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Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S2

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0045-02 (Soil)**  
**Enthalpy Analytical**

**PAH by SW8270**

Surrogate: Phenol-d5 (Surr)	47.8 %			13-100		BIE0307	05/07/2025	05/07/2025	
Surrogate: p-Terphenyl-d14 (Surr)	53.6 %			25-125		"	"	"	

**TOTAL METALS BY SW7199**

Chromium, Hexavalent	ND	0.16	0.20	mg/kg	1	BIE0529	05/12/2025	05/19/2025	
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**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	0.537		0.0995	mg/L	1	B5E0207	05/02/2025	05/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E0235	05/02/2025	05/05/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	75.1 %			50-150		"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E0180	05/01/2025	05/12/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

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Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S2

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0045-02 (Soil) Origins Laboratory									
GBTEX+TMBs by 8260D									
Benzene	ND		0.00200	mg/kg	1	B5E0180	05/01/2025	05/12/2025	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	117 %				70-130	"	"	"	
Surrogate: Toluene-d8	96.3 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.2 %				70-130	"	"	"	
Metals by Saturated Paste by EPA 6010									
Calcium	18.4		0.499	meq/L	10	[CALC]	05/07/2025	05/10/2025	
Magnesium	2.73		0.823	"	"	"	"	"	
Sodium	33.1		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.15			pH Units	1	B5E0750	05/07/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	10.2		0.0100	SAR	1	B5E0744	05/07/2025	05/10/2025	

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Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S2

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0045-02 (Soil)**  
**Origins Laboratory**

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	4.63	0.00500	mmhos/cm	1	B5E0750	05/07/2025	05/09/2025
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**Table 915 metals by EPA 6020B**

Arsenic	5.83	0.269	mg/kg	10	B5E0244	05/02/2025	05/03/2025
Barium	ND	76.1	"	"	"	"	"
Cadmium	ND	0.353	"	"	"	"	"
Copper	ND	42.7	"	"	"	"	"
Lead	ND	13.0	"	"	"	"	"
Nickel	ND	24.1	"	"	"	"	"
Selenium	ND	0.241	"	"	"	"	"
Silver	ND	0.742	"	"	"	"	"
Zinc	ND	343	"	"	"	"	"

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Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S3

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0045-03 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>PAH by SW8270</b>									
1-Methylnaphthalene	ND	0.00294	0.00600	mg/kg	1	BIE0307	05/07/2025	05/07/2025	
2-Methylnaphthalene	ND	0.00735	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0408	0.0833	"	"	"	"	"	
Anthracene	ND	0.0408	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00539	0.0110	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0408	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0408	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0408	0.0833	"	"	"	"	"	
Chrysene	ND	0.0408	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0408	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0408	0.0833	"	"	"	"	"	
Fluorene	ND	0.0408	0.0833	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0408	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00186	0.00380	"	"	"	"	"	
Pyrene	ND	0.0408	0.0833	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol (Surr)	50.3 %			15-96		"	"	"	
Surrogate: 2-Fluorobiphenyl (Surr)	15.4 %			19-105		"	"	"	S
Surrogate: 2-Fluorophenol (Surr)	65.5 %			12-95		"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	59.3 %			21-100		"	"	"	

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Peter Kondrat

Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S3

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0045-03 (Soil)**  
**Enthalpy Analytical**

**PAH by SW8270**

Surrogate: Phenol-d5 (Surr)	43.1 %			13-100		BIE0307	05/07/2025	05/07/2025	
Surrogate: p-Terphenyl-d14 (Surr)	34.0 %			25-125		"	"	"	

**TOTAL METALS BY SW7199**

Chromium, Hexavalent	ND	0.16	0.20	mg/kg	1	BIE0529	05/12/2025	05/19/2025	
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**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	0.471		0.100	mg/L	1	B5E0208	05/02/2025	05/06/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E0235	05/02/2025	05/05/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	76.9 %			50-150		"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E0180	05/01/2025	05/08/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

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Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S3

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0045-03 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>GBTEX+TMBs by 8260D</b>									
Benzene	ND		0.00200	mg/kg	1	B5E0180	05/01/2025	05/08/2025	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	127 %				70-130	"	"	"	
Surrogate: Toluene-d8	94.4 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %				70-130	"	"	"	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	23.4		0.499	meq/L	10	[CALC]	05/07/2025	05/10/2025	
Magnesium	3.78		0.823	"	"	"	"	"	
Sodium	35.2		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.25			pH Units	1	B5E0750	05/07/2025	05/09/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	9.55		0.0100	SAR	1	B5E0744	05/07/2025	05/10/2025	

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Project Number: [none]

Project: Jackson #2 Lot4

JX2L4-S3

5/1/2025 6:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0045-03 (Soil)**  
**Origins Laboratory**

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	5.16	0.00500	mmhos/cm	1	B5E0750	05/07/2025	05/09/2025
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**Table 915 metals by EPA 6020B**

Arsenic	1.15	0.276	mg/kg	10	B5E0244	05/02/2025	05/03/2025
Barium	79.5	78.0	"	"	"	"	"
Cadmium	ND	0.361	"	"	"	"	"
Copper	ND	43.7	"	"	"	"	"
Lead	ND	13.3	"	"	"	"	"
Nickel	ND	24.7	"	"	"	"	"
Selenium	ND	0.247	"	"	"	"	"
Silver	ND	0.761	"	"	"	"	"
Zinc	ND	352	"	"	"	"	"

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Peter Kondrat  
Project Number: [none]  
Project: Jackson #2 Lot4

Classical Chemistry Parameters - Quality Control  
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E0207 - DTPA Sorbitol Preparation										
Blank (B5E0207-BLK1)					Prepared: 05/02/2025 Analyzed: 05/06/2025					
Boron	ND	0.100	mg/L							
Duplicate (B5E0207-DUP1)					Source: E5D0847-11 Prepared: 05/02/2025 Analyzed: 05/06/2025					
Boron	0.929	0.100	mg/L		0.863			7.38	50	
Batch B5E0208 - DTPA Sorbitol Preparation										
Blank (B5E0208-BLK1)					Prepared: 05/02/2025 Analyzed: 05/06/2025					
Boron	ND	0.100	mg/L							
Duplicate (B5E0208-DUP1)					Source: E5E0045-03 Prepared: 05/02/2025 Analyzed: 05/06/2025					
Boron	0.443	0.0994	mg/L		0.471			6.23	50	
Batch B5E0744 - Saturated Paste Metals										
Blank (B5E0744-BLK1)					Prepared: 05/07/2025 Analyzed: 05/10/2025					
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 (B5E0744-DUP1)					Source: E5E0034-06 Prepared: 05/07/2025 Analyzed: 05/10/2025					
SAR	ND	0.0100	SAR		4.21				200	
Calcium PPM	64.2	10.0	mg/L		59.5			7.60	50	
Magnesium PPM	7.15	10.0	"		6.53			9.06	50	
Sodium PPM	136	10.0	"		128			5.57	50	

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Project Number: [none]

Project: Jackson #2 Lot4

**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
<b>Batch B5E0235 - EPA 3550B</b>										
<b>Blank (B5E0235-BLK1)</b>										
					Prepared: 05/02/2025 Analyzed: 05/05/2025					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		74.7	50-150			
<b>LCS (B5E0235-BS1)</b>										
					Prepared: 05/02/2025 Analyzed: 05/05/2025					
Diesel (C10-C28)	930	50.0	mg/kg	1000		93.0	70-130			
Residual Range Organics (C28-C40)	927	200	"	1000		92.7	70-130			
Surrogate: o-Terphenyl	53		"	49.8		106	50-150			
<b>Matrix Spike (B5E0235-MS1)</b>										
			<b>Source: E5E0045-01</b>		Prepared: 05/02/2025 Analyzed: 05/05/2025					
Diesel (C10-C28)	911	50.0	mg/kg	1000	ND	91.1	70-130			
Residual Range Organics (C28-C40)	930	200	"	1000	ND	93.0	70-130			
Surrogate: o-Terphenyl	47		"	49.8		95.4	50-150			
<b>Matrix Spike Dup (B5E0235-MSD1)</b>										
			<b>Source: E5E0045-01</b>		Prepared: 05/02/2025 Analyzed: 05/05/2025					
Diesel (C10-C28)	933	50.0	mg/kg	1000	ND	93.3	70-130	2.33	35	
Residual Range Organics (C28-C40)	946	200	"	1000	ND	94.6	70-130	1.65	35	
Surrogate: o-Terphenyl	49		"	49.8		99.2	50-150			

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Project Number: [none]

Project: Jackson #2 Lot4

## 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 B5E0244 - EPA 3050B

##### Blank (B5E0244-BLK1)

Prepared: 05/02/2025 Analyzed: 05/03/2025

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	"
Silver	ND	0.800	"
Zinc	ND	370	"

##### LCS (B5E0244-BS1)

Prepared: 05/02/2025 Analyzed: 05/03/2025

Arsenic	5.40	0.290	mg/kg	5.00	108	80-120
Barium	554	82.0	"	500	111	80-120
Cadmium	5.56	0.380	"	5.00	111	80-120
Copper	53.5	46.0	"	50.0	107	80-120
Lead	5.45	14.0	"	5.00	109	80-120
Nickel	5.19	26.0	"	5.00	104	80-120
Selenium	5.42	0.260	"	5.00	108	80-120
Silver	4.87	0.800	"	5.00	97.3	80-120
Zinc	52.1	370	"	50.0	104	80-120

##### Matrix Spike (B5E0244-MS1)

Source: E5E0039-02

Prepared: 05/02/2025 Analyzed: 05/03/2025

Arsenic	7.16	0.262	mg/kg	4.52	2.48	104	75-125	
Barium	952	74.2	"	452	345	134	75-125	QM-07
Cadmium	5.29	0.344	"	4.52	0.216	112	75-125	
Copper	76.5	41.6	"	45.2	27.4	109	75-125	
Lead	18.7	12.7	"	4.52	11.9	149	75-125	QM-07

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Project Number: [none]

Project: Jackson #2 Lot4

**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 B5E0244 - EPA 3050B**

**Matrix Spike (B5E0244-MS1)**

**Source: E5E0039-02**

Prepared: 05/02/2025 Analyzed: 05/03/2025

Nickel	25.3	23.5	mg/kg	4.52	18.6	149	75-125			QM-07
Selenium	4.93	0.235	"	4.52	0.402	100	75-125			
Silver	4.53	0.723	"	4.52	0.0494	99.0	75-125			
Zinc	112	335	"	45.2	62.1	111	75-125			

**Matrix Spike Dup (B5E0244-MSD1)**

**Source: E5E0039-02**

Prepared: 05/02/2025 Analyzed: 05/03/2025

Arsenic	7.01	0.279	mg/kg	4.81	2.48	94.3	75-125	2.04	20	
Barium	902	78.9	"	481	345	116	75-125	5.43	20	
Cadmium	5.20	0.366	"	4.81	0.216	104	75-125	1.68	20	
Copper	76.1	44.3	"	48.1	27.4	101	75-125	0.489	20	
Lead	17.6	13.5	"	4.81	11.9	118	75-125	5.74	20	
Nickel	22.7	25.0	"	4.81	18.6	86.1	75-125	10.8	20	
Selenium	5.15	0.250	"	4.81	0.402	98.6	75-125	4.21	20	
Silver	4.43	0.770	"	4.81	0.0494	91.0	75-125	2.22	20	
Zinc	105	356	"	48.1	62.1	89.3	75-125	6.80	20	

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Project Number: [none]

Project: Jackson #2 Lot4

**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 B5E0750 - Saturated Paste pH/EC**

**Blank (B5E0750-BLK1)**

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

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B5E0750-DUP1)**

**Source: E5E0034-06**

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

pH	8.25		pH Units	8.25		0.00	25
Specific Conductance (EC)	0.996	0.00500	mmhos/cm	0.958		3.87	25

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Project Number: [none]

Project: Jackson #2 Lot4

**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 B5E0180 - EPA 5030 (soil)**

**Blank (B5E0180-BLK1)**

Prepared: 05/01/2025 Analyzed: 05/07/2025

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	0.097		"	0.125		77.2	70-130
Surrogate: Toluene-d8	0.12		"	0.125		97.8	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.6	70-130

**LCS (B5E0180-BS1)**

Prepared: 05/01/2025 Analyzed: 05/07/2025

1,2,4-Trimethylbenzene	0.0983	0.00200	mg/kg	0.100		98.3	70-130
1,3,5-Trimethylbenzene	0.0978	0.00200	"	0.100		97.8	70-130
Benzene	0.0935	0.00200	"	0.100		93.5	70-130
Ethylbenzene	0.0960	0.00200	"	0.100		96.0	70-130
Toluene	0.0870	0.00200	"	0.100		87.0	70-130
o-Xylene	0.0968	0.00200	"	0.100		96.8	70-130
m,p-Xylene	0.195	0.00400	"	0.200		97.3	70-130

Surrogate: 1,2-Dichloroethane-d4	0.094		"	0.125		75.4	70-130
Surrogate: Toluene-d8	0.12		"	0.125		94.7	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.8	70-130

**Matrix Spike (B5E0180-MS1)**

**Source: E5E0016-01**

Prepared: 05/01/2025 Analyzed: 05/08/2025

1,2,4-Trimethylbenzene	0.0740	0.00200	mg/kg	0.100	ND	74.0	70-130
1,3,5-Trimethylbenzene	0.0781	0.00200	"	0.100	ND	78.1	70-130
Benzene	0.0833	0.00200	"	0.100	ND	83.3	70-130

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Peter Kondrat

Project Number: [none]

Project: Jackson #2 Lot4

**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 B5E0180 - EPA 5030 (soil)**

**Matrix Spike (B5E0180-MS1)**

**Source: E5E0016-01**

Prepared: 05/01/2025 Analyzed: 05/08/2025

Ethylbenzene	0.0783	0.00200	mg/kg	0.100	ND	78.3	70-130
Toluene	0.0759	0.00200	"	0.100	ND	75.9	70-130
o-Xylene	0.0808	0.00200	"	0.100	ND	80.8	70-130
m,p-Xylene	0.155	0.00400	"	0.200	ND	77.3	70-130
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		87.4	70-130
Surrogate: Toluene-d8	0.12		"	0.125		95.4	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.6	70-130

**Matrix Spike Dup (B5E0180-MSD1)**

**Source: E5E0016-01**

Prepared: 05/01/2025 Analyzed: 05/08/2025

1,2,4-Trimethylbenzene	0.0674	0.00200	mg/kg	0.100	ND	67.4	70-130	9.37	20	QM-07
1,3,5-Trimethylbenzene	0.0702	0.00200	"	0.100	ND	70.2	70-130	10.6	20	
Benzene	0.0827	0.00200	"	0.100	ND	82.7	70-130	0.771	20	
Ethylbenzene	0.0752	0.00200	"	0.100	ND	75.2	70-130	4.12	20	
Toluene	0.0728	0.00200	"	0.100	ND	72.8	70-130	4.11	20	
o-Xylene	0.0780	0.00200	"	0.100	ND	78.0	70-130	3.55	20	
m,p-Xylene	0.149	0.00400	"	0.200	ND	74.3	70-130	3.96	20	
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		82.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.4	70-130			

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Project Number: [none]

Project: Jackson #2 Lot4

**PAH by SW8270 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BIE0307 - SW3550C/EPA600-MS**

**Blank (BIE0307-BLK1)**

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

1-Methylnaphthalene	ND	0.00600	mg/kg				-			
2-Methylnaphthalene	ND	0.0150	"				-			
Acenaphthene	ND	0.0833	"				-			
Anthracene	ND	0.0833	"				-			
Benzo (a) anthracene	ND	0.0110	"				-			
Benzo (a) pyrene	ND	0.0833	"				-			
Benzo (b) fluoranthene	ND	0.0833	"				-			
Benzo (k) fluoranthene	ND	0.0833	"				-			
Chrysene	ND	0.0833	"				-			
Dibenz (a,h) anthracene	ND	0.0833	"				-			
Fluoranthene	ND	0.0833	"				-			
Fluorene	ND	0.0833	"				-			
Indeno (1,2,3-cd) pyrene	ND	0.0833	"				-			
Naphthalene	ND	0.00380	"				-			
Pyrene	ND	0.0833	"				-			

Surrogate: 2,4,6-Tribromophenol (Surr)

1.94

"

3.33

58.2

15-96

Surrogate: 2-Fluorobiphenyl (Surr)

0.746

"

1.67

44.8

19-105

Surrogate: 2-Fluorophenol (Surr)

2.16

"

3.33

64.8

12-95

Surrogate: Nitrobenzene-d5 (Surr)

1.62

"

1.67

97.1

21-100

Surrogate: Phenol-d5 (Surr)

2.02

"

3.33

60.7

13-100

Surrogate: p-Terphenyl-d14 (Surr)

0.986

"

1.67

59.1

25-125

**LCS (BIE0307-BS1)**

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

1-Methylnaphthalene	ND	0.0833	mg/kg				0-200			
2-Methylnaphthalene	ND	0.0833	"				70-130			
Acenaphthene	1.27	0.0833	"	1.67		76.1	24-110			
Anthracene	1.23	0.0833	"	1.67		74.0	25-117			

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Peter Kondrat

Project Number: [none]

Project: Jackson #2 Lot4

**PAH by SW8270 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BIE0307 - SW3550C/EPA600-MS**

**LCS (BIE0307-BS1)**

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

Benzo (a) anthracene	1.20	0.0833	mg/kg	1.67		71.7	25-127			
Benzo (a) pyrene	1.36	0.0833	"	1.67		81.8	18-127			
Benzo (b) fluoranthene	1.28	0.0833	"	1.67		76.7	20-132			
Benzo (k) fluoranthene	1.19	0.0833	"	1.67		71.2	14-136			
Chrysene	1.34	0.0833	"	1.67		80.4	21-141			
Dibenz (a,h) anthracene	0.773	0.0833	"	1.67		46.4	10-142			
Fluoranthene	1.38	0.0833	"	1.67		83.1	19-138			
Fluorene	0.995	0.0833	"	1.67		59.7	25-114			
Indeno (1,2,3-cd) pyrene	0.713	0.0833	"	1.67		42.8	10-136			
Naphthalene	1.30	0.0833	"	1.67		78.1	18-109			
Pyrene	0.829	0.0833	"	1.67		49.8	17-159			
Surrogate: 2,4,6-Tribromophenol (Surr)	2.34		"	3.33		70.1	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.915		"	1.67		54.9	19-105			
Surrogate: 2-Fluorophenol (Surr)	4.18		"	3.33		125	12-95			S
Surrogate: Nitrobenzene-d5 (Surr)	1.23		"	1.67		73.8	21-100			
Surrogate: Phenol-d5 (Surr)	2.30		"	3.33		69.0	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.796		"	1.67		47.8	25-125			

**Matrix Spike (BIE0307-MS1)**

**Source: 25E0371-02**

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

1-Methylnaphthalene	ND	0.0833	mg/kg		ND		0-200			
2-Methylnaphthalene	ND	0.0833	"		ND		70-130			
Acenaphthene	0.978	0.0833	"	1.66	ND	58.8	10-124			
Anthracene	1.13	0.0833	"	1.66	ND	68.1	10-143			
Benzo (a) anthracene	0.944	0.0833	"	1.66	ND	56.8	10-169			
Benzo (a) pyrene	1.01	0.0833	"	1.66	ND	61.0	10-149			
Benzo (b) fluoranthene	1.08	0.0833	"	1.66	ND	64.8	10-150			
Benzo (k) fluoranthene	1.00	0.0833	"	1.66	ND	60.2	10-211			

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80127

Peter Kondrat

Project Number: [none]

Project: Jackson #2 Lot4

**PAH by SW8270 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BIE0307 - SW3550C/EPA600-MS**

Matrix Spike (BIE0307-MS1)			Source: 25E0371-02			Prepared: 05/07/2025 Analyzed: 05/07/2025				
Chrysene	0.974	0.0833	mg/kg	1.66	ND	58.5	10-172			
Dibenz (a,h) anthracene	0.809	0.0833	"	1.66	ND	48.7	10-128			
Fluoranthene	1.20	0.0833	"	1.66	ND	72.1	10-271			
Fluorene	1.01	0.0833	"	1.66	ND	60.5	10-124			
Indeno (1,2,3-cd) pyrene	0.733	0.0833	"	1.66	ND	44.1	10-127			
Naphthalene	0.819	0.0833	"	1.66	0.00248	49.1	10-118			
Pyrene	1.07	0.0833	"	1.66	ND	64.5	10-212			
Surrogate: 2,4,6-Tribromophenol (Surr)	2.04		"	3.33		61.4	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	1.03		"	1.66		62.2	19-105			
Surrogate: 2-Fluorophenol (Surr)	2.66		"	3.33		79.9	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	1.11		"	1.66		66.8	21-100			
Surrogate: Phenol-d5 (Surr)	1.82		"	3.33		54.9	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.935		"	1.66		56.2	25-125			

Matrix Spike Dup (BIE0307-MSD1)			Source: 25E0371-02			Prepared: 05/07/2025 Analyzed: 05/07/2025				
1-Methylnaphthalene	ND	0.0833	mg/kg		ND		0-200		20	
2-Methylnaphthalene	ND	0.0833	"		ND		70-130		20	
Acenaphthene	1.06	0.0833	"	1.64	ND	64.7	10-124	8.04	20	
Anthracene	0.975	0.0833	"	1.64	ND	59.5	10-143	14.9	20	
Benzo (a) anthracene	0.996	0.0833	"	1.64	ND	60.8	10-169	5.35	20	
Benzo (a) pyrene	1.02	0.0833	"	1.64	ND	62.4	10-149	0.831	20	
Benzo (b) fluoranthene	0.808	0.0833	"	1.64	ND	49.3	10-150	28.6	20	P
Benzo (k) fluoranthene	0.745	0.0833	"	1.64	ND	45.5	10-211	29.3	20	P
Chrysene	0.984	0.0833	"	1.64	ND	60.0	10-172	1.06	20	
Dibenz (a,h) anthracene	0.860	0.0833	"	1.64	ND	52.5	10-128	6.07	20	
Fluoranthene	0.996	0.0833	"	1.64	ND	60.8	10-271	18.6	20	
Fluorene	1.38	0.0833	"	1.64	ND	84.3	10-124	31.3	20	P

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Project: Jackson #2 Lot4

**PAH by SW8270 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BIE0307 - SW3550C/EPA600-MS**

**Matrix Spike Dup (BIE0307-MSD1)**

**Source: 25E0371-02**

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

Indeno (1,2,3-cd) pyrene	0.797	0.0833	mg/kg	1.64	ND	48.6	10-127	8.36	20	
Naphthalene	0.821	0.0833	"	1.64	0.00248	49.9	10-118	0.226	20	
Pyrene	0.845	0.0833	"	1.64	ND	51.6	10-212	23.7	20	P
Surrogate: 2,4,6-Tribromophenol (Surr)	2.86		"	3.28		87.2	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.937		"	1.64		57.2	19-105			
Surrogate: 2-Fluorophenol (Surr)	2.60		"	3.28		79.3	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	1.11		"	1.64		67.5	21-100			
Surrogate: Phenol-d5 (Surr)	2.01		"	3.28		61.4	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.841		"	1.64		51.3	25-125			

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Peter Kondrat  
Project Number: [none]  
Project: Jackson #2 Lot4

**TOTAL METALS BY SW7199 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch BIE0529 - No Prep IC-WET</b>										
<b>Blank (BIE0529-BLK1)</b>					Prepared: 05/12/2025 Analyzed: 05/19/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
<b>LCS (BIE0529-BS1)</b>					Prepared: 05/12/2025 Analyzed: 05/19/2025					
Chromium, Hexavalent	0.06	0.005	mg/kg	0.0500		119	80-120			
<b>LCS (BIE0529-BS2)</b>					Prepared: 05/12/2025 Analyzed: 05/19/2025					
Chromium, Hexavalent	9.57	1.00	mg/kg	8.08		118	80-120			
<b>Matrix Spike (BIE0529-MS1)</b>					Source: 25E0364-06 Prepared: 05/12/2025 Analyzed: 05/19/2025					
Chromium, Hexavalent	0.002	0.005	mg/kg	0.0500	ND	4.37	75-125			J, M
<b>Matrix Spike (BIE0529-MS2)</b>					Source: 25E0364-06 Prepared: 05/12/2025 Analyzed: 05/20/2025					
Chromium, Hexavalent	1.06	0.19	mg/kg	0.968	ND	109	75-125			
<b>Matrix Spike (BIE0529-MS3)</b>					Source: 25E0364-06 Prepared: 05/12/2025 Analyzed: 05/20/2025					
Chromium, Hexavalent	2.09	0.19	mg/kg	1.94	ND	108	75-125			
<b>Matrix Spike Dup (BIE0529-MSD1)</b>					Source: 25E0364-06 Prepared: 05/12/2025 Analyzed: 05/19/2025					
Chromium, Hexavalent	ND	0.005	mg/kg	0.0500	ND		75-125		20	M

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Project: Jackson #2 Lot4

### Notes and Definitions

U Sample is Non-Detect.

S Surrogate recovery was outside acceptance criteria

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

P Duplicate analysis does not meet the acceptance criteria for precision

M Matrix spike recovery is outside established acceptance limits

L LCS recovery is outside of established acceptance limits

J The reported result is an estimated value.

P [Undefined]

M [Undefined]

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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