



**TAQ Energy**  
**Hayden Wambach**  
**1101 S Huron St**

**July 01, 2025**

**Denver CO 80223**

**Project Name - Forristal Q2 Reclaim**

**Project Number - [none]**

Attached are your analytical results for Forristal Q2 Reclaim received by Origins Laboratory June 16, 2025. This project is associated with Origins project number E5F0312-01.

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





TAQ Energy  
1101 S Huron St  
Denver CO 80223

Hayden Wambach  
Project Number: [none]  
Project: Forristal Q2 Reclaim

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MSTB E5-6	E5F0312-01	Soil	June 12, 2025 13:55	06/16/2025 16:56
MSTB E5-7	E5F0312-02	Soil	June 12, 2025 14:00	06/16/2025 16:56
MSTB E5-5	E5F0312-03	Soil	June 12, 2025 13:45	06/16/2025 16:56
MSTB E5-B6	E5F0312-04	Soil	June 12, 2025 14:05	06/16/2025 16:56

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# ORIGINS LABORATORY

TAQ Energy  
1101 S Huron St  
Denver CO 80223

Hayden Wambach  
Project Number: [none]  
Project: Forristal Q2 Reclaim



Client: TAQ Energy, LLC  
Address: 1101 S Huron St  
Denver CO 80223  
Telephone Number: 303-514-0957  
Email Address: haydenw@taqenergy.com

Project Manager: Hayden Wambach  
Project Name: Forristal Q2 Reclaim  
Project Number:  
Collected By: Hayden Wambach  
Invoice/Billing Info: haydenw@taqenergy.com

## ESF0312

Page 1 of 1

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis		Comments
							g	l	
1	MS1B ES-6	6-12-25	13:55	3	S		X		
2	MS1B ES-7	6-12-25	14:00	3	S		X		
3	MS1B ES-5	6-12-25	13:49	3	S		X		
4	MS1B ES-8G	6-12-25	14:03	3	S		X		
5									
6									
7									
8									
9									
10									

Relinquished By: Hayden Wambach Date: 6-11-24 Time: 456  
Received By: SMC Date: 6/11/25 Time: 456  
Temp Received - 20 Received On Ice?  Yes  No

Turnaround Time  
 Standard  
 48 Hr  72  
 SAME DAY  24 Hr

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TAQ Energy  
1101 S Huron St  
Denver CO 80223

Hayden Wambach  
Project Number: [none]  
Project: Forristal Q2 Reclaim

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: ESF0312

Client: TAQ Energy

Client Project ID: Forristal Q2 Reclaim

Checklist Completed by: NKM/NB

Shipped Via: HD

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

Date/time completed: 06/17/25

Airbill #: N/A

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

Water

Other:

(Describe)

Cooler Number/Temperature: 1 / 2.0 °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"/>			
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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			water intrusion in B jars for each sample
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<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.

PH  
Reviewed by (Project Manager)

6/17/25  
Date/Time Reviewed

Origins Laboratory

EHO

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TAQ Energy  
 1101 S Huron St  
 Denver CO 80223

Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**MSTB E5-6**

**6/12/2025 1:55:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-01 (Soil)  
 GEL Laboratories, LLC**

**TOTAL METALS BY 7196A**

Hexavalent Chromium	0.185	0.118	0.296	mg/kg dry	1	2818647	06/24/2025	06/27/2025	J
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**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	ND		1.00	mg/L	10	B5F1711	06/17/2025	06/19/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1701	06/17/2025	06/17/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	116 %				50-150	"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

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**MSTB E5-6**

**6/12/2025 1:55:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-01 (Soil)  
 Origins Laboratory**

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	104 %			70-130		"	"	"	
Surrogate: Toluene-d8	99.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	ND		0.499	meq/L	10	[CALC]	06/17/2025	06/18/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.595		0.435	"	"	"	"	"	

**PAH by EPA 8270E extracted via 3580A**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua

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**MSTB E5-6**

**6/12/2025 1:55:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5F0312-01 (Soil) Origins Laboratory</b>									
<b>PAH by EPA 8270E extracted via 3580A</b>									
Chrysene	ND		0.020	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua
Surrogate: Fluorene-d10	102 %								
Surrogate: Anthracene-d10	90.6 %								
Surrogate: Pyrene-d10	90.6 %								
Surrogate: Benzo (a) pyrene-d12	107 %								
<b>pH in Soil by 9045D</b>									
pH	7.01			pH Units	1	B5F1714	06/17/2025	06/18/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.46		0.0100	SAR	1	B5F1708	06/17/2025	06/18/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.132		0.00500	mmhos/cm	1	B5F1714	06/17/2025	06/18/2025	

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**MSTB E5-6**

**6/12/2025 1:55:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-01 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.81		0.265	mg/kg	10	B5F1723	06/17/2025	06/19/2025	
Barium	89.8		74.9	"	"	"	"	"	
Cadmium	ND		0.347	"	"	"	"	"	
Copper	ND		42.0	"	"	"	"	"	
Lead	ND		12.8	"	"	"	"	"	
Nickel	ND		23.7	"	"	"	"	"	
Selenium	0.412		0.237	"	"	"	"	"	
Silver	ND		0.730	"	"	"	"	"	
Zinc	ND		338	"	"	"	"	"	

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**MSTB E5-7**

**6/12/2025 2:00:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5F0312-02 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>TOTAL METALS BY 7196A</b>									
Hexavalent Chromium	ND	0.136	0.340	mg/kg dry	1	2818647	06/24/2025	06/27/2025	U
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	ND		0.100	mg/L	1	B5F1711	06/17/2025	06/18/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1701	06/17/2025	06/17/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	101 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

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TAQ Energy  
 1101 S Huron St  
 Denver CO 80223

Hayden Wambach  
 Project Number: [none]  
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**MSTB E5-7**

**6/12/2025 2:00:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-02 (Soil)  
 Origins Laboratory**

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	103 %			70-130		"	"	"	
Surrogate: Toluene-d8	99.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	ND		0.499	meq/L	10	[CALC]	06/17/2025	06/18/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**PAH by EPA 8270E extracted via 3580A**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua

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**MSTB E5-7**

**6/12/2025 2:00:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-02 (Soil)  
 Origins Laboratory**

**PAH by EPA 8270E extracted via 3580A**

Chrysene	ND		0.020	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	103 %			60-130		"	"	"	
Surrogate: Anthracene-d10	90.2 %			60-130		"	"	"	
Surrogate: Pyrene-d10	90.0 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	6.64			pH Units	1	B5F1714	06/17/2025	06/18/2025	
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**SAR by 20B Saturated Paste**

SAR	0.148		0.0100	SAR	1	B5F1708	06/17/2025	06/18/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.111		0.00500	mmhos/cm	1	B5F1714	06/17/2025	06/18/2025	
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 Project Number: [none]  
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**MSTB E5-7**

**6/12/2025 2:00:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-02 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.53		0.265	mg/kg	10	B5F1723	06/17/2025	06/19/2025	
Barium	ND		74.9	"	"	"	"	"	
Cadmium	ND		0.347	"	"	"	"	"	
Copper	ND		42.0	"	"	"	"	"	
Lead	ND		12.8	"	"	"	"	"	
Nickel	ND		23.7	"	"	"	"	"	
Selenium	0.298		0.237	"	"	"	"	"	
Silver	ND		0.730	"	"	"	"	"	
Zinc	ND		338	"	"	"	"	"	

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Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**MSTB E5-5**

**6/12/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-03 (Soil)  
 GEL Laboratories, LLC**

**TOTAL METALS BY 7196A**

Hexavalent Chromium	0.160	0.123	0.308	mg/kg dry	1	2818647	06/24/2025	06/27/2025	J
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**Origins Laboratory**

**Boron (DTPA Sorbitol)**

Boron	0.398		0.100	mg/L	1	B5F1711	06/17/2025	06/18/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	133		25.0	mg/kg	1	B5F1701	06/17/2025	06/17/2025	
Residual Range Organics (C28-C40)	176		100	"	"	"	"	"	

Surrogate: <i>o</i> -Terphenyl	105 %			50-150		"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

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**MSTB E5-5**

**6/12/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5F0312-03 (Soil) Origins Laboratory</b>									
<b>GBTEX+TMBs by 8260D</b>									
Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	109 %			70-130		"	"	"	
Surrogate: Toluene-d8	102 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	99.8 %			70-130		"	"	"	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	3.21		0.499	meq/L	10	[CALC]	06/17/2025	06/18/2025	
Magnesium	0.935		0.823	"	"	"	"	"	
Sodium	10.0		0.435	"	"	"	"	"	
<b>PAH by EPA 8270E extracted via 3580A</b>									
1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua

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Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**MSTB E5-5**

**6/12/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-03 (Soil)  
 Origins Laboratory**

**PAH by EPA 8270E extracted via 3580A**

Chrysene	ND		0.020	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	104 %			60-130		"	"	"	
Surrogate: Anthracene-d10	92.8 %			60-130		"	"	"	
Surrogate: Pyrene-d10	85.3 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	6.64			pH Units	1	B5F1714	06/17/2025	06/18/2025	
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**SAR by 20B Saturated Paste**

SAR	6.98		0.0100	SAR	1	B5F1708	06/17/2025	06/18/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.67		0.00500	mmhos/cm	1	B5F1714	06/17/2025	06/18/2025	
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 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**MSTB E5-5**

**6/12/2025 1:45:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-03 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.90		0.271	mg/kg	10	B5F1723	06/17/2025	06/19/2025	
Barium	ND		76.7	"	"	"	"	"	
Cadmium	ND		0.355	"	"	"	"	"	
Copper	ND		43.0	"	"	"	"	"	
Lead	ND		13.1	"	"	"	"	"	
Nickel	ND		24.3	"	"	"	"	"	
Selenium	0.378		0.243	"	"	"	"	"	
Silver	ND		0.748	"	"	"	"	"	
Zinc	ND		346	"	"	"	"	"	

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Project: Forristal Q2 Reclaim

**MSTB E5-B6**  
**6/12/2025 2:05:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5F0312-04 (Soil)</b>									
<b>GEL Laboratories, LLC</b>									
<b>TOTAL METALS BY 7196A</b>									
Hexavalent Chromium	0.136	0.131	0.327	mg/kg dry	1	2818647	06/24/2025	06/27/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	ND		0.0995	mg/L	1	B5F1711	06/17/2025	06/18/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5F1701	06/17/2025	06/17/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	105 %				50-150	"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua

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 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**MSTB E5-B6**  
**6/12/2025 2:05:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5F0312-04 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>GBTEX+TMBs by 8260D</b>									
Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5F1704	06/17/2025	06/17/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	102 %			70-130		"	"	"	
Surrogate: Toluene-d8	103 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			70-130		"	"	"	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	ND		0.499	meq/L	10	[CALC]	06/17/2025	06/18/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
<b>PAH by EPA 8270E extracted via 3580A</b>									
1-Methylnaphthalene	ND		0.002	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua

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 Project: Forristal Q2 Reclaim

**MSTB E5-B6**  
**6/12/2025 2:05:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-04 (Soil)**  
**Origins Laboratory**

**PAH by EPA 8270E extracted via 3580A**

Chrysene	ND		0.020	mg/kg	1	B5F1720	06/17/2025	06/17/2025	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	101 %			60-130		"	"	"	
Surrogate: Anthracene-d10	92.8 %			60-130		"	"	"	
Surrogate: Pyrene-d10	88.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	108 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	6.89			pH Units	1	B5F1714	06/17/2025	06/18/2025	
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**SAR by 20B Saturated Paste**

SAR	0.239		0.0100	SAR	1	B5F1708	06/17/2025	06/18/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.0838		0.00500	mmhos/cm	1	B5F1714	06/17/2025	06/18/2025	
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**MSTB E5-B6**

**6/12/2025 2:05:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5F0312-04 (Soil)  
 Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.07		0.268	mg/kg	10	B5F1723	06/17/2025	06/19/2025	
Barium	ND		75.7	"	"	"	"	"	
Cadmium	ND		0.351	"	"	"	"	"	
Copper	ND		42.5	"	"	"	"	"	
Lead	ND		12.9	"	"	"	"	"	
Nickel	ND		24.0	"	"	"	"	"	
Selenium	0.262		0.240	"	"	"	"	"	
Silver	ND		0.738	"	"	"	"	"	
Zinc	ND		341	"	"	"	"	"	

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 Project: Forristal Q2 Reclaim

**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 B5F1708 - Saturated Paste Metals**

**Blank (B5F1708-BLK1)**

Prepared: 06/17/2025 Analyzed: 06/18/2025

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 (B5F1708-DUP1)**

Source: E5F0312-01

Prepared: 06/17/2025 Analyzed: 06/18/2025

Calcium PPM	3.30	10.0	mg/L		3.66			10.3	50	
SAR	ND	0.0100	SAR		1.46				200	
Magnesium PPM	2.33	10.0	mg/L		1.83			24.0	50	
Sodium PPM	9.27	10.0	"		13.7			38.4	50	

**Batch B5F1711 - DTPA Sorbitol Preparation**

**Blank (B5F1711-BLK1)**

Prepared: 06/17/2025 Analyzed: 06/18/2025

Boron	ND	0.100	mg/L							
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**Duplicate (B5F1711-DUP1)**

Source: E5F0312-01

Prepared: 06/17/2025 Analyzed: 06/19/2025

Boron	ND	0.996	mg/L		ND				50	
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 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**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 B5F1720 - EPA 3580**

**Blank (B5F1720-BLK1)**

Prepared: 06/17/2025 Analyzed: 06/17/2025

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

Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		89.3	60-130			
Surrogate: Pyrene-d10	180		"	200		90.1	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

**LCS (B5F1720-BS1)**

Prepared: 06/17/2025 Analyzed: 06/17/2025

1-Methylnaphthalene	0.207	0.002	mg/kg	0.200		103	70-130			
2-Methylnaphthalene	0.205	0.002	"	0.200		102	70-130			
Acenaphthene	0.205	0.020	"	0.200		102	70-130			
Anthracene	0.193	0.020	"	0.200		96.6	70-130			

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Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**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 B5F1720 - EPA 3580**

**LCS (B5F1720-BS1)**

Prepared: 06/17/2025 Analyzed: 06/17/2025

Benzo (a) anthracene	0.178	0.005	mg/kg	0.200		89.1	70-130			
Benzo (a) pyrene	0.212	0.020	"	0.200		106	70-130			
Benzo (b) fluoranthene	0.218	0.020	"	0.200		109	70-130			
Benzo (g,h,i) perylene	0.215	0.020	"	0.200		108	70-130			
Benzo (k) fluoranthene	0.196	0.020	"	0.200		98.0	70-130			
Chrysene	0.182	0.020	"	0.200		90.9	70-130			
Dibenz (a,h) anthracene	0.219	0.020	"	0.200		110	70-130			
Fluoranthene	0.204	0.020	"	0.200		102	70-130			
Fluorene	0.213	0.020	"	0.200		107	70-130			
Indeno (1,2,3-cd) pyrene	0.208	0.020	"	0.200		104	70-130			
Naphthalene	0.202	0.002	"	0.200		101	70-130			
Phenanthrene	0.192	0.020	"	0.200		96.0	70-130			
Pyrene	0.176	0.020	"	0.200		87.9	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		91.1	60-130			
Surrogate: Pyrene-d10	180		"	200		90.6	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

**Matrix Spike (B5F1720-MS1)**

Source: E5F0269-01

Prepared: 06/17/2025 Analyzed: 06/17/2025

1-Methylnaphthalene	0.219	0.002	mg/kg	0.200	ND	109	70-130			
2-Methylnaphthalene	0.219	0.002	"	0.200	ND	110	70-130			
Acenaphthene	0.220	0.020	"	0.200	ND	110	70-130			
Anthracene	0.189	0.020	"	0.200	0.0009	94.3	70-130			
Benzo (a) anthracene	0.187	0.005	"	0.200	ND	93.5	70-130			
Benzo (a) pyrene	0.228	0.020	"	0.200	ND	114	70-130			
Benzo (b) fluoranthene	0.232	0.020	"	0.200	0.0007	115	70-130			
Benzo (g,h,i) perylene	0.233	0.020	"	0.200	0.001	116	70-130			

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 Project: Forristal Q2 Reclaim

**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 B5F1720 - EPA 3580**

<b>Matrix Spike (B5F1720-MS1)</b>		<b>Source: E5F0269-01</b>			<b>Prepared: 06/17/2025 Analyzed: 06/17/2025</b>					
Benzo (k) fluoranthene	0.223	0.020	mg/kg	0.200	ND	112	70-130			
Chrysene	0.195	0.020	"	0.200	0.001	97.2	70-130			
Dibenz (a,h) anthracene	0.241	0.020	"	0.200	0.001	120	70-130			
Fluoranthene	0.215	0.020	"	0.200	ND	107	70-130			
Fluorene	0.224	0.020	"	0.200	0.001	111	70-130			
Indeno (1,2,3-cd) pyrene	0.231	0.020	"	0.200	0.001	115	70-130			
Naphthalene	0.217	0.002	"	0.200	ND	108	70-130			
Phenanthrene	0.202	0.020	"	0.200	ND	101	70-130			
Pyrene	0.184	0.020	"	0.200	ND	91.9	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		90.9	60-130			
Surrogate: Pyrene-d10	180		"	200		89.3	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	60-130			

<b>Matrix Spike Dup (B5F1720-MSD1)</b>		<b>Source: E5F0269-01</b>			<b>Prepared: 06/17/2025 Analyzed: 06/17/2025</b>					
1-Methylnaphthalene	0.212	0.002	mg/kg	0.200	ND	106	70-130	3.27	20	
2-Methylnaphthalene	0.211	0.002	"	0.200	ND	106	70-130	3.79	20	
Acenaphthene	0.208	0.020	"	0.200	ND	104	70-130	5.51	20	
Anthracene	0.182	0.020	"	0.200	0.0009	90.5	70-130	4.09	20	
Benzo (a) anthracene	0.180	0.005	"	0.200	ND	90.1	70-130	3.69	20	
Benzo (a) pyrene	0.215	0.020	"	0.200	ND	107	70-130	6.00	20	
Benzo (b) fluoranthene	0.219	0.020	"	0.200	0.0007	109	70-130	5.52	20	
Benzo (g,h,i) perylene	0.223	0.020	"	0.200	0.001	111	70-130	4.00	20	
Benzo (k) fluoranthene	0.196	0.020	"	0.200	ND	98.1	70-130	12.9	20	
Chrysene	0.184	0.020	"	0.200	0.001	91.6	70-130	5.81	20	
Dibenz (a,h) anthracene	0.231	0.020	"	0.200	0.001	115	70-130	4.17	20	
Fluoranthene	0.205	0.020	"	0.200	ND	103	70-130	4.47	20	

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 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**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 B5F1720 - EPA 3580**

**Matrix Spike Dup (B5F1720-MSD1)**

**Source: E5F0269-01**

Prepared: 06/17/2025 Analyzed: 06/17/2025

Fluorene	0.216	0.020	mg/kg	0.200	0.001	107	70-130	3.38	20	
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	0.001	106	70-130	8.43	20	
Naphthalene	0.205	0.002	"	0.200	ND	102	70-130	5.62	20	
Phenanthrene	0.196	0.020	"	0.200	ND	98.2	70-130	2.98	20	
Pyrene	0.181	0.020	"	0.200	ND	90.4	70-130	1.72	20	
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		90.5	60-130			
Surrogate: Pyrene-d10	180		"	200		91.2	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

Origins Laboratory

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TAQ Energy  
 1101 S Huron St  
 Denver CO 80223

Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5F1701 - EPA 3550B**

**Blank (B5F1701-BLK1)**

Prepared: 06/17/2025 Analyzed: 06/17/2025

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	31		"	24.9		126	50-150			

**LCS (B5F1701-BS1)**

Prepared: 06/17/2025 Analyzed: 06/17/2025

Diesel (C10-C28)	1010	50.0	mg/kg	1000		101	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000		102	70-130			
Surrogate: o-Terphenyl	60		"	49.8		121	50-150			

**Matrix Spike (B5F1701-MS1)**

**Source: E5F0289-01**

Prepared: 06/17/2025 Analyzed: 06/17/2025

Diesel (C10-C28)	915	50.0	mg/kg	1000	ND	91.5	70-130			
Residual Range Organics (C28-C40)	947	200	"	1000	ND	94.7	70-130			
Surrogate: o-Terphenyl	56		"	49.8		112	50-150			

**Matrix Spike Dup (B5F1701-MSD1)**

**Source: E5F0289-01**

Prepared: 06/17/2025 Analyzed: 06/17/2025

Diesel (C10-C28)	849	50.0	mg/kg	1000	ND	84.9	70-130	7.42	35	
Residual Range Organics (C28-C40)	873	200	"	1000	ND	87.3	70-130	8.11	35	
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

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Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**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 B5F1723 - EPA 3050B**

Prepared: 06/17/2025 Analyzed: 06/19/2025

**Blank (B5F1723-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: 06/17/2025 Analyzed: 06/19/2025

**LCS (B5F1723-BS1)**

Arsenic	5.40	0.290	mg/kg	5.00		108	80-120			
Barium	507	82.0	"	500		101	80-120			
Cadmium	5.66	0.380	"	5.00		113	80-120			
Copper	53.8	46.0	"	50.0		108	80-120			
Lead	5.37	14.0	"	5.00		107	80-120			
Nickel	5.31	26.0	"	5.00		106	80-120			
Selenium	5.54	0.260	"	5.00		111	80-120			
Silver	5.37	0.800	"	5.00		107	80-120			
Zinc	51.6	370	"	50.0		103	80-120			

Prepared: 06/17/2025 Analyzed: 06/19/2025

**Matrix Spike (B5F1723-MS1)**

Source: E5F0312-01

Arsenic	8.52	0.283	mg/kg	4.88	2.81	117	75-125			
Barium	719	80.0	"	488	89.8	129	75-125			QM-07
Cadmium	6.74	0.371	"	4.88	0.193	134	75-125			QM-07
Copper	66.9	44.9	"	48.8	8.10	121	75-125			
Lead	14.3	13.7	"	4.88	8.04	129	75-125			QM-07

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Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**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 B5F1723 - EPA 3050B**

**Matrix Spike (B5F1723-MS1)**

**Source: E5F0312-01**

Prepared: 06/17/2025 Analyzed: 06/19/2025

Nickel	13.1	25.4	mg/kg	4.88	6.97	125	75-125			
Selenium	6.49	0.254	"	4.88	0.412	125	75-125			
Silver	6.18	0.781	"	4.88	0.0228	126	75-125			QM-07
Zinc	97.2	361	"	48.8	38.3	121	75-125			

**Matrix Spike Dup (B5F1723-MSD1)**

**Source: E5F0312-01**

Prepared: 06/17/2025 Analyzed: 06/19/2025

Arsenic	7.27	0.266	mg/kg	4.59	2.81	97.1	75-125	15.9	20	
Barium	558	75.2	"	459	89.8	102	75-125	25.2	20	QR-DUP
Cadmium	5.32	0.349	"	4.59	0.193	112	75-125	23.4	20	QR-DUP
Copper	55.4	42.2	"	45.9	8.10	103	75-125	18.8	20	
Lead	12.2	12.8	"	4.59	8.04	89.8	75-125	16.5	20	
Nickel	11.5	23.8	"	4.59	6.97	99.9	75-125	12.4	20	
Selenium	5.40	0.238	"	4.59	0.412	109	75-125	18.5	20	
Silver	4.90	0.734	"	4.59	0.0228	106	75-125	23.1	20	QR-DUP
Zinc	80.5	339	"	45.9	38.3	91.8	75-125	18.8	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 B5F1714 - Saturated Paste pH/EC**

**Blank (B5F1714-BLK1)**

Prepared: 06/17/2025 Analyzed: 06/18/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B5F1714-DUP1)**

**Source: E5F0312-01**

Prepared: 06/17/2025 Analyzed: 06/18/2025

pH	7.22		pH Units		7.01		2.95	25		
Specific Conductance (EC)	0.0839	0.00500	mmhos/cm		0.132		44.8	25	QR-DUP	

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 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**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 B5F1704 - EPA 5030 (soil)**

**Blank (B5F1704-BLK1)**

Prepared: 06/17/2025 Analyzed: 06/17/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.9	70-130			

**LCS (B5F1704-BS1)**

Prepared: 06/17/2025 Analyzed: 06/17/2025

1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100		115	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Benzene	0.0969	0.00200	"	0.100		96.9	70-130			
Ethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Naphthalene	0.109	0.00380	"	0.100		109	70-130			
Toluene	0.102	0.00200	"	0.100		102	70-130			
o-Xylene	0.0975	0.00200	"	0.100		97.5	70-130			
m,p-Xylene	0.203	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

**Matrix Spike (B5F1704-MS1)**

Source: E5F0312-01

Prepared: 06/17/2025 Analyzed: 06/17/2025

1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	ND	116	70-130			
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Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**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 B5F1704 - EPA 5030 (soil)**

<b>Matrix Spike (B5F1704-MS1)</b>		<b>Source: E5F0312-01</b>			<b>Prepared: 06/17/2025 Analyzed: 06/17/2025</b>					
1,3,5-Trimethylbenzene	0.117	0.00200	mg/kg	0.100	ND	117	70-130			
Benzene	0.104	0.00200	"	0.100	ND	104	70-130			
Ethylbenzene	0.121	0.00200	"	0.100	ND	121	70-130			
Naphthalene	0.0886	0.00380	"	0.100	ND	88.6	70-130			
Toluene	0.107	0.00200	"	0.100	ND	107	70-130			
o-Xylene	0.116	0.00200	"	0.100	ND	116	70-130			
m,p-Xylene	0.243	0.00400	"	0.200	ND	121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

<b>Matrix Spike Dup (B5F1704-MSD1)</b>		<b>Source: E5F0312-01</b>			<b>Prepared: 06/17/2025 Analyzed: 06/17/2025</b>					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	12.5	20	
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	12.7	20	
Benzene	0.0946	0.00200	"	0.100	ND	94.6	70-130	9.37	20	
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130	15.8	20	
Naphthalene	0.0863	0.00380	"	0.100	ND	86.3	70-130	2.58	20	
Toluene	0.0993	0.00200	"	0.100	ND	99.3	70-130	7.00	20	
o-Xylene	0.100	0.00200	"	0.100	ND	100	70-130	15.1	20	
m,p-Xylene	0.209	0.00400	"	0.200	ND	104	70-130	15.1	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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Hayden Wambach  
 Project Number: [none]  
 Project: Forristal Q2 Reclaim

**TOTAL METALS BY 7196A - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2818647 - SW846 3060A</b>										
<b>BLANK (1206150410-BLK)</b>										
					Prepared: 06/24/2025 Analyzed: 06/27/2025					
Hexavalent Chromium	ND	0.342	mg/kg				-			U
<b>LCS (1206150411-BKS)</b>										
					Prepared: 06/24/2025 Analyzed: 06/27/2025					
Hexavalent Chromium	3.35	0.345	mg/kg	3.45		97.1	80-120			
<b>DUP (1206150412 D)</b>										
					Source: 729333001 Prepared: 06/24/2025 Analyzed: 06/27/2025					
Hexavalent Chromium	0.153	0.368	mg/kg dry		<0.147		0-50	N/A	50	J
<b>MS (1206150413 S)</b>										
					Source: 729333001 Prepared: 06/24/2025 Analyzed: 06/27/2025					
Hexavalent Chromium	3.52	0.340	mg/kg dry	3.40	<0.136	100	75-125			
<b>DUP (1206150414 D)</b>										
					Source: 729333002 Prepared: 06/24/2025 Analyzed: 06/27/2025					
Hexavalent Chromium	ND	0.389	mg/kg dry		<0.156		0-50	N/A	50	U
<b>MS (1206150415 S)</b>										
					Source: 729333002 Prepared: 06/24/2025 Analyzed: 06/27/2025					
Hexavalent Chromium	3.30	0.348	mg/kg dry	3.48	<0.139	93.9	75-125			
<b>ILCS (1206150416-ILCS)</b>										
					Prepared: 06/24/2025 Analyzed: 06/27/2025					
Hexavalent Chromium	7.36	0.373	mg/kg	7.59		97.1	80-120			

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TAQ Energy  
1101 S Huron St  
Denver CO 80223

Hayden Wambach  
Project Number: [none]  
Project: Forristal Q2 Reclaim

### Notes and Definitions

- Ua Sample is Non-Detect.
  - U Result not detected above the detection limit
  - 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.
  - J Greater than the detection limit but less than the reporting limit
  - 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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