



**CTEH**

**May 14, 2025**

**Kyle Lawrence**

**5120 North Shore Drive**

**North Little RockAR 72118**

**Project Name - PROJ-054017**

**Project Number - PROJ-054017**

Attached are your analytical results for PROJ-054017 received by Origins Laboratory April 27, 2025. This project is associated with Origins project number E5D0768-01.

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**



CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GACO0426T069S001	E5D0768-01	Soil	April 26, 2025 8:45	04/27/2025 11:30
GACO0426T069S002	E5D0768-02	Soil	April 26, 2025 9:30	04/27/2025 11:30
GACO0426T069S003	E5D0768-03	Soil	April 26, 2025 9:50	04/27/2025 11:30
GACO0426T069C003	E5D0768-04	Soil	April 26, 2025 9:50	04/27/2025 11:30
GACO0426T069S004	E5D0768-05	Soil	April 26, 2025 10:10	04/27/2025 11:30
GACO0426T069T005	E5D0768-06	Water	April 26, 2025 7:30	04/27/2025 11:30
GACO0426T069S021	E5D0768-07	Soil	April 26, 2025 9:35	04/27/2025 11:30
GACO0426T069S022	E5D0768-08	Soil	April 26, 2025 10:00	04/27/2025 11:30
GACO0426T069S023	E5D0768-09	Soil	April 26, 2025 10:20	04/27/2025 11:30
GACO0426T069S024	E5D0768-10	Soil	April 26, 2025 10:35	04/27/2025 11:30
GACO0426T069S025	E5D0768-11	Soil	April 26, 2025 10:50	04/27/2025 11:30
GACO0426T069S026	E5D0768-12	Soil	April 26, 2025 11:10	04/27/2025 11:30
GACO0426T069T006	E5D0768-13	Water	April 26, 2025 7:00	04/27/2025 11:30

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Jen Pellegrini For Jordan A. Bynon, Project Manager





# ORIGINS LABORATORY

CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: E5D0768 Client: CTEH  
 Client Project ID: proj-054017  
 Checklist Completed by: JAB/PMC Shipped Via: HD  
 Date/time completed: 4/27/25 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 (Describe)  
 Cooler Number/Temperature: 1 / 3.9 °C  
 Thermometer ID: T007

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"/>			
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? <b>If yes, contact client and note in narrative.</b>			<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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +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.

JAB  
Reviewed by (Project Manager) 4/28/25  
Date/Time Reviewed

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S001**  
**4/26/2025 8:45:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.20		0.0989	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.249	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/28/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	84.6 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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**GACO0426T069S001**  
**4/26/2025 8:45:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-01 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	112 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	99.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	2.54		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	1.55		0.823	"	"	"	"	"	
Sodium	1.98		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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**GACO0426T069S001**  
**4/26/2025 8:45:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-01 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	100 %			60-130		"	"	"	
Surrogate: Anthracene-d10	87.2 %			60-130		"	"	"	
Surrogate: Pyrene-d10	96.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	8.47			pH Units	1	B5D2725	04/27/2025	04/30/2025	
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**SAR by 20B Saturated Paste**

SAR	1.39		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.653		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
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**Table 915 metals by EPA 6020B**

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**GACO0426T069S001**  
**4/26/2025 8:45:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-01 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	4.09		0.287	mg/kg	10	B5D2810	04/28/2025	04/29/2025	
Barium	95.3		9.91	"	"	"	"	"	
Cadmium	0.257		0.0991	"	"	"	"	"	
Copper	10.4		9.91	"	"	"	"	"	
Lead	9.29		0.991	"	"	"	"	"	
Nickel	8.59		0.991	"	"	"	"	"	
Selenium	0.272		0.258	"	"	"	"	"	
Silver	ND		0.0991	"	"	"	"	"	U
Zinc	59.2		36.7	"	"	"	"	"	

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**GACO0426T069S002**  
**4/26/2025 9:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-02 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.24		0.101	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.247	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/28/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	78.0 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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**GACO0426T069S002**  
**4/26/2025 9:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-02 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	112 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	99.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	8.90		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	5.09		0.823	"	"	"	"	"	
Sodium	6.61		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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**GACO0426T069S002**  
**4/26/2025 9:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-02 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	95.0 %			60-130		"	"	"	
Surrogate: Anthracene-d10	88.0 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.8 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.0 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	8.34			pH Units	1	B5D2725	04/27/2025	04/30/2025	
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**SAR by 20B Saturated Paste**

SAR	2.50		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.04		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
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**Table 915 metals by EPA 6020B**

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**GACO0426T069S002**  
**4/26/2025 9:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-02 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	4.94		0.277	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	98.6		9.54	"	"	"	"	"	
Cadmium	0.315		0.0954	"	"	"	"	"	
Copper	12.3		9.54	"	"	"	"	"	
Lead	11.8		0.954	"	"	"	"	"	
Nickel	9.12		0.954	"	"	"	"	"	
Selenium	0.447		0.248	"	"	"	"	"	
Silver	ND		0.0954	"	"	"	"	"	U
Zinc	60.0		35.3	"	"	"	"	"	

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**GACO0426T069S003**  
**4/26/2025 9:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-03 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.39		0.101	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	0.252		0.249	mg/kg	1	B5D2852	04/28/2025	05/10/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	77.2 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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	112 %			70-130		"	"	"	

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**GACO0426T069S003**  
**4/26/2025 9:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-03 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	99.4 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.83		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	1.02		0.823	"	"	"	"	"	
Sodium	1.54		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager

CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**GACO0426T069S003**  
**4/26/2025 9:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-03 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>PAH by EPA 8270E extracted via 3580A</b>									
Fluorene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U
Surrogate: Fluorene-d10	93.4 %								
Surrogate: Anthracene-d10	92.4 %								
Surrogate: Pyrene-d10	98.7 %								
Surrogate: Benzo (a) pyrene-d12	99.0 %								
<b>pH in Soil by 9045D</b>									
pH	8.47			pH Units	1	B5D2725	04/27/2025	04/30/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.29		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.486		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	24.7		0.259	mg/kg	10	B5D2809	04/28/2025	04/29/2025	

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0426T069S003

4/26/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0768-03 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	877		8.92	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Cadmium	2.01		0.0892	"	"	"	"	"	
Copper	28.2		8.92	"	"	"	"	"	
Lead	21.4		0.892	"	"	"	"	"	
Nickel	40.1		0.892	"	"	"	"	"	
Selenium	1.84		0.232	"	"	"	"	"	
Silver	ND		0.0892	"	"	"	"	"	U
Zinc	115		33.0	"	"	"	"	"	

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069C003**  
**4/26/2025 9:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-04 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.11		0.0985	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.262	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	76.0 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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CTEH  
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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069C003**  
**4/26/2025 9:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-04 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	110 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	99.8 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.74		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	0.937		0.823	"	"	"	"	"	
Sodium	1.47		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069C003**  
**4/26/2025 9:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-04 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	95.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	90.3 %			60-130		"	"	"	
Surrogate: Pyrene-d10	100 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.3 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	8.47			pH Units	1	B5D2725	04/27/2025	04/30/2025	
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**SAR by 20B Saturated Paste**

SAR	1.27		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.452		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
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**Table 915 metals by EPA 6020B**

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0426T069C003

4/26/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-04 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	5.39		0.259	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	123		8.93	"	"	"	"	"	
Cadmium	0.385		0.0893	"	"	"	"	"	
Copper	16.2		8.93	"	"	"	"	"	
Lead	13.1		0.893	"	"	"	"	"	
Nickel	12.4		0.893	"	"	"	"	"	
Selenium	0.545		0.232	"	"	"	"	"	
Silver	ND		0.0893	"	"	"	"	"	U
Zinc	76.4		33.1	"	"	"	"	"	

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CTEH  
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 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S004**  
**4/26/2025 10:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-05 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.00		0.102	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.246	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	80.8 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

Origins Laboratory

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CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S004**  
**4/26/2025 10:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-05 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	111 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	3.91		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	1.94		0.823	"	"	"	"	"	
Sodium	0.915		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	U
2-Methylnaphthalene	0.004		0.002	"	"	"	"	"	
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.009		0.005	"	"	"	"	"	
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	0.021		0.020	"	"	"	"	"	

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 5120 North Shore Drive  
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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S004**  
**4/26/2025 10:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-05 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>PAH by EPA 8270E extracted via 3580A</b>									
Fluorene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	0.002		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U
Surrogate: Fluorene-d10	94.9 %			60-130		"	"	"	
Surrogate: Anthracene-d10	84.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.5 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.7 %			60-130		"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.50			pH Units	1	B5D2725	04/27/2025	04/30/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.535		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.865		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	5.77		0.263	mg/kg	10	B5D2809	04/28/2025	04/29/2025	

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CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S004**  
**4/26/2025 10:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-05 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Barium	70.3		9.06	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Cadmium	0.187		0.0906	"	"	"	"	"	
Copper	ND		9.06	"	"	"	"	"	U
Lead	6.91		0.906	"	"	"	"	"	
Nickel	6.21		0.906	"	"	"	"	"	
Selenium	0.421		0.236	"	"	"	"	"	
Silver	ND		0.0906	"	"	"	"	"	U
Zinc	37.7		33.5	"	"	"	"	"	

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 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069T005**  
**4/26/2025 7:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-06 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/28/2025	U
1,1,1-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1,2,2-Tetrachloroethane	ND		1.00	"	"	"	"	"	U
1,1,2-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethene	ND		1.00	"	"	"	"	"	U
1,1-Dichloropropene	ND		1.00	"	"	"	"	"	U
1,2,3-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,3-Trichloropropane	ND		5.00	"	"	"	"	"	U
1,2,4-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,4-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,2-Dibromo-3-chloropropane	ND		5.00	"	"	"	"	"	U
1,2-Dibromoethane (EDB)	ND		1.50	"	"	"	"	"	U
1,2-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,2-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,2-Dichloropropane	ND		1.00	"	"	"	"	"	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichloropropane	ND		1.00	"	"	"	"	"	U

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 Project: PROJ-054017

**GACO0426T069T005**  
**4/26/2025 7:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-06 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/28/2025	U
2,2-Dichloropropane	ND		1.00	"	"	"	"	"	U
2-Butanone	ND		5.00	"	"	"	"	"	U
2-Chlorotoluene	ND		1.00	"	"	"	"	"	U
2-Hexanone	ND		6.00	"	"	"	"	"	U
4-Chlorotoluene	ND		1.00	"	"	"	"	"	U
4-Isopropyltoluene	ND		1.00	"	"	"	"	"	U
4-Methyl-2-pentanone	ND		5.00	"	"	"	"	"	U
Acetone	ND		8.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Bromobenzene	ND		1.00	"	"	"	"	"	U
Bromochloromethane	ND		1.00	"	"	"	"	"	U
Bromodichloromethane	ND		1.00	"	"	"	"	"	U
Bromoform	ND		1.00	"	"	"	"	"	U
Bromomethane	ND		1.00	"	"	"	"	05/07/2025	U
Carbon disulfide	ND		5.00	"	"	"	"	04/28/2025	U
Carbon tetrachloride	ND		1.00	"	"	"	"	"	U
Chlorobenzene	ND		1.00	"	"	"	"	"	U
Chloroethane	ND		1.00	"	"	"	"	05/07/2025	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069T005**  
**4/26/2025 7:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-06 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
Chloroform	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/28/2025	U
Chloromethane	ND		1.00	"	"	"	"	05/07/2025	U
cis-1,2-Dichloroethene	ND		1.00	"	"	"	"	04/28/2025	U
cis-1,3-Dichloropropene	ND		1.00	"	"	"	"	"	U
Dibromochloromethane	ND		1.00	"	"	"	"	"	U
Dibromomethane	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Hexachlorobutadiene	ND		5.00	"	"	"	"	"	U
Iodomethane	ND		10.0	"	"	"	"	"	U
Isopropylbenzene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Methylene Chloride	ND		15.0	"	"	"	"	"	U
Methyl tert-Butyl Ether	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
n-Butylbenzene	ND		1.00	"	"	"	"	"	U
n-Propylbenzene	ND		1.00	"	"	"	"	"	U
o-Xylene	ND		1.00	"	"	"	"	"	U
sec-Butylbenzene	ND		1.00	"	"	"	"	"	U
Styrene	ND		1.00	"	"	"	"	"	U

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069T005**  
**4/26/2025 7:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-06 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
tert-Butylbenzene	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/28/2025	U
Tetrachloroethene	ND		1.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
trans-1,2-Dichloroethene	ND		1.00	"	"	"	"	"	U
trans-1,3-Dichloropropene	ND		1.00	"	"	"	"	"	U
Trichloroethene	ND		1.00	"	"	"	"	"	U
Trichlorofluoromethane	ND		1.00	"	"	"	"	"	U
Vinyl chloride	ND		1.00	"	"	"	"	05/07/2025	U
Surrogate: 1,2-Dichloroethane-d4	103 %					"	"	04/28/2025	
Surrogate: Toluene-d8	99.7 %					"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %					"	"	"	

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CTEH  
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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S021**  
**4/26/2025 9:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-07 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.91		0.101	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.243	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	81.3 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S021**  
**4/26/2025 9:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-07 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	114 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	98.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	3.96		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	3.29		0.823	"	"	"	"	"	
Sodium	9.45		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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Jen Pellegrini For Jordan A. Bynon, Project Manager

CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**GACO0426T069S021**  
**4/26/2025 9:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-07 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>PAH by EPA 8270E extracted via 3580A</b>									
Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	93.8 %			60-130		"	"	"	
Surrogate: Anthracene-d10	91.1 %			60-130		"	"	"	
Surrogate: Pyrene-d10	101 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.4 %			60-130		"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.56			pH Units	1	B5D2725	04/27/2025	04/30/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	4.96		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.72		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
<b>Table 915 metals by EPA 6020B</b>									

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Kyle Lawrence  
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**GACO0426T069S021**  
**4/26/2025 9:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-07 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	2.89		0.271	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	44.3		9.35	"	"	"	"	"	
Cadmium	0.135		0.0935	"	"	"	"	"	
Copper	ND		9.35	"	"	"	"	"	U
Lead	5.23		0.935	"	"	"	"	"	
Nickel	5.01		0.935	"	"	"	"	"	
Selenium	0.577		0.243	"	"	"	"	"	
Silver	ND		0.0935	"	"	"	"	"	U
Zinc	ND		34.6	"	"	"	"	"	U

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S022**  
**4/26/2025 10:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-08 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.10		0.0995	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.246	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	70.7 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S022**  
**4/26/2025 10:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-08 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	110 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	2.00		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	1.15		0.823	"	"	"	"	"	
Sodium	1.81		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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5120 North Shore Drive  
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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**GACO0426T069S022**  
**4/26/2025 10:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-08 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	94.3 %			60-130		"	"	"	
Surrogate: Anthracene-d10	101 %			60-130		"	"	"	
Surrogate: Pyrene-d10	101 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	8.40			pH Units	1	B5D2725	04/27/2025	04/30/2025	
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**SAR by 20B Saturated Paste**

SAR	1.44		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.650		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
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**Table 915 metals by EPA 6020B**

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 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S022**  
**4/26/2025 10:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-08 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	5.87		0.271	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	90.7		9.33	"	"	"	"	"	
Cadmium	0.291		0.0933	"	"	"	"	"	
Copper	13.7		9.33	"	"	"	"	"	
Lead	9.89		0.933	"	"	"	"	"	
Nickel	9.67		0.933	"	"	"	"	"	
Selenium	0.522		0.243	"	"	"	"	"	
Silver	ND		0.0933	"	"	"	"	"	U
Zinc	61.6		34.5	"	"	"	"	"	

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 Project: PROJ-054017

**GACO0426T069S023**  
**4/26/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-09 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.36		0.101	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.245	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	76.1 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S023**  
**4/26/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-09 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	113 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	99.8 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	2.85		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	2.32		0.823	"	"	"	"	"	
Sodium	7.46		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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**GACO0426T069S023**  
**4/26/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-09 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	93.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	89.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	101 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	8.62			pH Units	1	B5D2725	04/27/2025	04/30/2025	
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**SAR by 20B Saturated Paste**

SAR	4.64		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.89		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
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**Table 915 metals by EPA 6020B**

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CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S023**  
**4/26/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-09 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	10.9		0.262	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	95.8		9.02	"	"	"	"	"	
Cadmium	0.280		0.0902	"	"	"	"	"	
Copper	12.4		9.02	"	"	"	"	"	
Lead	9.61		0.902	"	"	"	"	"	
Nickel	10.1		0.902	"	"	"	"	"	
Selenium	0.574		0.234	"	"	"	"	"	
Silver	ND		0.0902	"	"	"	"	"	U
Zinc	65.6		33.4	"	"	"	"	"	

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Kyle Lawrence  
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 Project: PROJ-054017

**GACO0426T069S024**  
**4/26/2025 10:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-10 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.28		0.101	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.259	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	77.5 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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 Project: PROJ-054017

**GACO0426T069S024**  
**4/26/2025 10:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-10 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	114 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	99.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	8.55		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	6.53		0.823	"	"	"	"	"	
Sodium	7.35		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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 Project Number: PROJ-054017  
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**GACO0426T069S024**  
**4/26/2025 10:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-10 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	95.0 %			60-130		"	"	"	
Surrogate: Anthracene-d10	90.6 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.7 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	8.46			pH Units	1	B5D2725	04/27/2025	04/30/2025	
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**SAR by 20B Saturated Paste**

SAR	2.68		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.25		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
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**Table 915 metals by EPA 6020B**

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**GACO0426T069S024**  
**4/26/2025 10:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-10 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	5.52		0.261	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	112		9.00	"	"	"	"	"	
Cadmium	0.220		0.0900	"	"	"	"	"	
Copper	12.7		9.00	"	"	"	"	"	
Lead	7.31		0.900	"	"	"	"	"	
Nickel	7.61		0.900	"	"	"	"	"	
Selenium	0.412		0.234	"	"	"	"	"	
Silver	ND		0.0900	"	"	"	"	"	U
Zinc	39.6		33.3	"	"	"	"	"	

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**GACO0426T069S025**  
**4/26/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-11 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	2.78		0.101	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.261	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	75.4 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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**GACO0426T069S025**  
**4/26/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-11 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	112 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	24.0		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	20.7		0.823	"	"	"	"	"	
Sodium	18.6		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S025**  
**4/26/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-11 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>PAH by EPA 8270E extracted via 3580A</b>									
Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	94.8 %			60-130		"	"	"	
Surrogate: Anthracene-d10	81.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	99.6 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %			60-130		"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.29			pH Units	1	B5D2725	04/27/2025	04/30/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	3.94		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	5.67		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
<b>Table 915 metals by EPA 6020B</b>									

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 Project: PROJ-054017

**GACO0426T069S025**  
**4/26/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-11 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	6.41		0.252	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	111		8.68	"	"	"	"	"	
Cadmium	0.265		0.0868	"	"	"	"	"	
Copper	10.3		8.68	"	"	"	"	"	
Lead	7.89		0.868	"	"	"	"	"	
Nickel	8.67		0.868	"	"	"	"	"	
Selenium	0.700		0.226	"	"	"	"	"	
Silver	ND		0.0868	"	"	"	"	"	U
Zinc	44.8		32.1	"	"	"	"	"	

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Kyle Lawrence  
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**GACO0426T069S026**  
**4/26/2025 11:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-12 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.52		0.101	mg/L	1	B5D2719	04/27/2025	04/30/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.242	mg/kg	1	B5D2852	04/28/2025	05/10/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2832	04/28/2025	04/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	97.4 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2804	04/28/2025	04/29/2025	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

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**GACO0426T069S026**  
**4/26/2025 11:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-12 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	113 %			70-130		B5D2804	04/28/2025	04/29/2025	
Surrogate: Toluene-d8	98.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	10.3		0.499	meq/L	10	[CALC]	04/27/2025	04/30/2025	
Magnesium	9.12		0.823	"	"	"	"	"	
Sodium	12.1		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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

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Project Number: PROJ-054017  
Project: PROJ-054017

**GACO0426T069S026**  
**4/26/2025 11:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-12 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>PAH by EPA 8270E extracted via 3580A</b>									
Fluoranthene	ND		0.020	mg/kg	1	B5D2824	04/28/2025	04/29/2025	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	94.0 %			60-130		"	"	"	
Surrogate: Anthracene-d10	79.2 %			60-130		"	"	"	
Surrogate: Pyrene-d10	100 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.7 %			60-130		"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.46			pH Units	1	B5D2725	04/27/2025	04/30/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	3.90		0.0100	SAR	1	B5D2713	04/27/2025	04/30/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	3.36		0.00500	mmhos/cm	1	B5D2725	04/27/2025	04/30/2025	
<b>Table 915 metals by EPA 6020B</b>									

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 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069S026**  
**4/26/2025 11:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5D0768-12 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	4.43		0.285	mg/kg	10	B5D2809	04/28/2025	04/29/2025	
Barium	78.3		9.84	"	"	"	"	"	
Cadmium	0.191		0.0984	"	"	"	"	"	
Copper	ND		9.84	"	"	"	"	"	U
Lead	7.59		0.984	"	"	"	"	"	
Nickel	6.97		0.984	"	"	"	"	"	
Selenium	0.312		0.256	"	"	"	"	"	
Silver	ND		0.0984	"	"	"	"	"	U
Zinc	43.9		36.4	"	"	"	"	"	

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069T006**  
**4/26/2025 7:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-13 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/29/2025	U
1,1,1-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1,2,2-Tetrachloroethane	ND		1.00	"	"	"	"	"	U
1,1,2-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethene	ND		1.00	"	"	"	"	"	U
1,1-Dichloropropene	ND		1.00	"	"	"	"	"	U
1,2,3-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,3-Trichloropropane	ND		5.00	"	"	"	"	"	U
1,2,4-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,4-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,2-Dibromo-3-chloropropane	ND		5.00	"	"	"	"	"	U
1,2-Dibromoethane (EDB)	ND		1.50	"	"	"	"	"	U
1,2-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,2-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,2-Dichloropropane	ND		1.00	"	"	"	"	"	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichloropropane	ND		1.00	"	"	"	"	"	U

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069T006**  
**4/26/2025 7:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-13 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/29/2025	U
2,2-Dichloropropane	ND		1.00	"	"	"	"	"	U
2-Butanone	ND		5.00	"	"	"	"	"	U
2-Chlorotoluene	ND		1.00	"	"	"	"	"	U
2-Hexanone	ND		6.00	"	"	"	"	"	U
4-Chlorotoluene	ND		1.00	"	"	"	"	"	U
4-Isopropyltoluene	ND		1.00	"	"	"	"	"	U
4-Methyl-2-pentanone	ND		5.00	"	"	"	"	"	U
Acetone	ND		8.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Bromobenzene	ND		1.00	"	"	"	"	"	U
Bromochloromethane	ND		1.00	"	"	"	"	"	U
Bromodichloromethane	ND		1.00	"	"	"	"	"	U
Bromoform	ND		1.00	"	"	"	"	"	U
Bromomethane	ND		1.00	"	"	"	"	05/07/2025	U
Carbon disulfide	ND		5.00	"	"	"	"	04/29/2025	U
Carbon tetrachloride	ND		1.00	"	"	"	"	"	U
Chlorobenzene	ND		1.00	"	"	"	"	"	U
Chloroethane	ND		1.00	"	"	"	"	05/07/2025	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069T006**  
**4/26/2025 7:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-13 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
Chloroform	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/29/2025	U
Chloromethane	ND		1.00	"	"	"	"	05/07/2025	U
cis-1,2-Dichloroethene	ND		1.00	"	"	"	"	04/29/2025	U
cis-1,3-Dichloropropene	ND		1.00	"	"	"	"	"	U
Dibromochloromethane	ND		1.00	"	"	"	"	"	U
Dibromomethane	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Hexachlorobutadiene	ND		5.00	"	"	"	"	"	U
Iodomethane	ND		10.0	"	"	"	"	"	U
Isopropylbenzene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Methylene Chloride	ND		15.0	"	"	"	"	"	U
Methyl tert-Butyl Ether	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
n-Butylbenzene	ND		1.00	"	"	"	"	"	U
n-Propylbenzene	ND		1.00	"	"	"	"	"	U
o-Xylene	ND		1.00	"	"	"	"	"	U
sec-Butylbenzene	ND		1.00	"	"	"	"	"	U
Styrene	ND		1.00	"	"	"	"	"	U

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**GACO0426T069T006**  
**4/26/2025 7:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0768-13 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
tert-Butylbenzene	ND		1.00	ug/L	1	B5D2875	04/28/2025	04/29/2025	U
Tetrachloroethene	ND		1.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
trans-1,2-Dichloroethene	ND		1.00	"	"	"	"	"	U
trans-1,3-Dichloropropene	ND		1.00	"	"	"	"	"	U
Trichloroethene	ND		1.00	"	"	"	"	"	U
Trichlorofluoromethane	ND		1.00	"	"	"	"	"	U
Vinyl chloride	ND		1.00	"	"	"	"	05/07/2025	U
Surrogate: 1,2-Dichloroethane-d4	104 %			70-130		"	"	04/29/2025	
Surrogate: Toluene-d8	99.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

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Kyle Lawrence  
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 Project: PROJ-054017

**\*\*\* DEFAULT GENERAL METHOD \*\*\* - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B5D2852 - EPA 3060A</b>										
<b>Blank (B5D2852-BLK1)</b>										
					Prepared: 04/28/2025 Analyzed: 05/10/2025					
Hexavalent Chromium	ND	0.250	mg/kg							U
<b>LCS (B5D2852-BS1)</b>										
					Prepared: 04/28/2025 Analyzed: 05/10/2025					
Hexavalent Chromium	2.46	0.250	mg/kg	2.50		98.2	80-120			
<b>Matrix Spike (B5D2852-MS1)</b>										
		<b>Source: E5D0768-01</b>			Prepared: 04/28/2025 Analyzed: 05/10/2025					
Hexavalent Chromium	2.54	0.259	mg/kg	2.59	0.235	89.0	75-125			
<b>Matrix Spike (B5D2852-MS2)</b>										
		<b>Source: E5D0768-01</b>			Prepared: 04/28/2025 Analyzed: 05/10/2025					
Hexavalent Chromium	248	26.2	mg/kg	266	ND	93.3	75-125			
<b>Matrix Spike Dup (B5D2852-MSD1)</b>										
		<b>Source: E5D0768-01</b>			Prepared: 04/28/2025 Analyzed: 05/10/2025					
Hexavalent Chromium	2.69	0.261	mg/kg	2.61	0.235	93.8	75-125	5.57	200	
<b>Post Spike (B5D2852-PS1)</b>										
		<b>Source: E5D0768-01</b>			Prepared: 04/28/2025 Analyzed: 05/10/2025					
Hexavalent Chromium	55.8		ug/L	50.0	4.71	102	80-120			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2713 - Saturated Paste Metals**

**Blank (B5D2713-BLK1)**

Prepared: 04/27/2025 Analyzed: 04/30/2025

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

**Duplicate (B5D2713-DUP1)**

Source: E5D0768-01

Prepared: 04/27/2025 Analyzed: 04/30/2025

Calcium PPM	66.6	10.0	mg/L		51.0			26.6	50	
SAR	ND	0.0100	SAR		1.39				200	U
Magnesium PPM	24.3	10.0	mg/L		18.8			25.4	50	
Sodium PPM	61.3	10.0	"		45.6			29.4	50	

**Batch B5D2719 - DTPA Sorbitol Preparation**

**Blank (B5D2719-BLK1)**

Prepared: 04/27/2025 Analyzed: 04/30/2025

Boron	ND	0.100	mg/L							U
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**Duplicate (B5D2719-DUP1)**

Source: E5D0768-01

Prepared: 04/27/2025 Analyzed: 04/30/2025

Boron	1.27	0.0984	mg/L		1.20			5.52	50	
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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2824 - EPA 3580**

**Blank (B5D2824-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/29/2025

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 (g,h,i) perylene	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
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	190		ug/kg	200		94.3	60-130			
Surrogate: Anthracene-d10	160		"	200		80.9	60-130			
Surrogate: Pyrene-d10	210		"	200		105	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.3	60-130			

**LCS (B5D2824-BS1)**

Prepared: 04/28/2025 Analyzed: 04/29/2025

1-Methylnaphthalene	0.184	0.002	mg/kg	0.200		91.8	70-130			
2-Methylnaphthalene	0.177	0.002	"	0.200		88.5	70-130			
Acenaphthene	0.195	0.020	"	0.200		97.3	70-130			
Anthracene	0.204	0.020	"	0.200		102	70-130			

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2824 - EPA 3580**

**LCS (B5D2824-BS1)**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Benzo (a) anthracene	0.210	0.005	mg/kg	0.200		105	70-130			
Benzo (a) pyrene	0.207	0.020	"	0.200		104	70-130			
Benzo (b) fluoranthene	0.193	0.020	"	0.200		96.6	70-130			
Benzo (g,h,i) perylene	0.205	0.020	"	0.200		103	70-130			
Benzo (k) fluoranthene	0.184	0.020	"	0.200		91.8	70-130			
Chrysene	0.189	0.020	"	0.200		94.6	70-130			
Dibenz (a,h) anthracene	0.229	0.020	"	0.200		114	70-130			
Fluoranthene	0.206	0.020	"	0.200		103	70-130			
Fluorene	0.188	0.020	"	0.200		94.0	70-130			
Indeno (1,2,3-cd) pyrene	0.217	0.020	"	0.200		108	70-130			
Naphthalene	0.196	0.002	"	0.200		98.0	70-130			
Phenanthrene	0.183	0.020	"	0.200		91.7	70-130			
Pyrene	0.214	0.020	"	0.200		107	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		93.9	60-130			
Surrogate: Anthracene-d10	200		"	200		97.6	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

**Matrix Spike (B5D2824-MS1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/29/2025

1-Methylnaphthalene	0.186	0.002	mg/kg	0.200	0.0005	92.5	70-130			
2-Methylnaphthalene	0.186	0.002	"	0.200	0.001	92.3	70-130			
Acenaphthene	0.202	0.020	"	0.200	0.0004	101	70-130			
Anthracene	0.177	0.020	"	0.200	0.002	87.3	70-130			
Benzo (a) anthracene	0.200	0.005	"	0.200	0.001	99.4	70-130			
Benzo (a) pyrene	0.212	0.020	"	0.200	0.002	105	70-130			
Benzo (b) fluoranthene	0.208	0.020	"	0.200	0.002	103	70-130			
Benzo (g,h,i) perylene	0.209	0.020	"	0.200	0.002	104	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2824 - EPA 3580**

**Matrix Spike (B5D2824-MS1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Benzo (k) fluoranthene	0.214	0.020	mg/kg	0.200	0.002	106	70-130			
Chrysene	0.198	0.020	"	0.200	0.002	97.7	70-130			
Dibenz (a,h) anthracene	0.230	0.020	"	0.200	0.002	114	70-130			
Fluoranthene	0.211	0.020	"	0.200	0.001	105	70-130			
Fluorene	0.189	0.020	"	0.200	0.0006	94.1	70-130			
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	0.003	105	70-130			
Naphthalene	0.200	0.002	"	0.200	ND	99.8	70-130			
Phenanthrene	0.201	0.020	"	0.200	ND	101	70-130			
Pyrene	0.214	0.020	"	0.200	ND	107	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		93.4	60-130			
Surrogate: Anthracene-d10	180		"	200		92.1	60-130			
Surrogate: Pyrene-d10	200		"	200		99.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

**Matrix Spike Dup (B5D2824-MSD1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/29/2025

1-Methylnaphthalene	0.189	0.002	mg/kg	0.200	0.0005	94.5	70-130	2.04	20	
2-Methylnaphthalene	0.185	0.002	"	0.200	0.001	92.0	70-130	0.366	20	
Acenaphthene	0.207	0.020	"	0.200	0.0004	103	70-130	2.75	20	
Anthracene	0.183	0.020	"	0.200	0.002	90.4	70-130	3.41	20	
Benzo (a) anthracene	0.207	0.005	"	0.200	0.001	103	70-130	3.35	20	
Benzo (a) pyrene	0.209	0.020	"	0.200	0.002	104	70-130	1.19	20	
Benzo (b) fluoranthene	0.206	0.020	"	0.200	0.002	102	70-130	1.12	20	
Benzo (g,h,i) perylene	0.214	0.020	"	0.200	0.002	106	70-130	2.53	20	
Benzo (k) fluoranthene	0.223	0.020	"	0.200	0.002	111	70-130	4.33	20	
Chrysene	0.222	0.020	"	0.200	0.002	110	70-130	11.8	20	
Dibenz (a,h) anthracene	0.232	0.020	"	0.200	0.002	115	70-130	0.794	20	
Fluoranthene	0.216	0.020	"	0.200	0.001	107	70-130	2.20	20	

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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2824 - EPA 3580**

**Matrix Spike Dup (B5D2824-MSD1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Fluorene	0.196	0.020	mg/kg	0.200	0.0006	97.9	70-130	3.97	20	
Indeno (1,2,3-cd) pyrene	0.208	0.020	"	0.200	0.003	103	70-130	1.79	20	
Naphthalene	0.206	0.002	"	0.200	ND	103	70-130	2.97	20	
Phenanthrene	0.206	0.020	"	0.200	ND	103	70-130	2.29	20	
Pyrene	0.219	0.020	"	0.200	ND	110	70-130	2.45	20	
Surrogate: Fluorene-d10	190		ug/kg	200		95.0	60-130			
Surrogate: Anthracene-d10	170		"	200		85.3	60-130			
Surrogate: Pyrene-d10	200		"	200		99.6	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.6	60-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
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 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2832 - EPA 3550B**

**Blank (B5D2832-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		82.5	50-150			

**LCS (B5D2832-BS1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

Diesel (C10-C28)	975	50.0	mg/kg	1000		97.5	70-130			
Residual Range Organics (C28-C40)	951	200	"	1000		95.1	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

**Matrix Spike (B5D2832-MS1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/28/2025

Diesel (C10-C28)	952	50.0	mg/kg	1000	ND	95.2	70-130			
Residual Range Organics (C28-C40)	935	200	"	1000	ND	93.5	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

**Matrix Spike Dup (B5D2832-MSD1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/28/2025

Diesel (C10-C28)	987	50.0	mg/kg	1000	ND	98.7	70-130	3.55	35	
Residual Range Organics (C28-C40)	966	200	"	1000	ND	96.6	70-130	3.21	35	
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2809 - EPA 3050B**

**Blank (B5D2809-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	ND	0.290	mg/kg							U
Barium	ND	10.0	"							U
Cadmium	ND	0.100	"							U
Copper	ND	10.0	"							U
Lead	ND	1.00	"							U
Nickel	ND	1.00	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.100	"							U
Zinc	ND	37.0	"							U

**LCS (B5D2809-BS1)**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	5.60	0.290	mg/kg	5.00		112	80-120			
Barium	534	10.0	"	500		107	80-120			
Cadmium	5.85	0.100	"	5.00		117	80-120			
Copper	58.4	10.0	"	50.0		117	80-120			
Lead	5.60	1.00	"	5.00		112	80-120			
Nickel	5.89	1.00	"	5.00		118	80-120			
Selenium	5.91	0.260	"	5.00		118	80-120			
Silver	5.85	0.100	"	5.00		117	80-120			
Zinc	57.5	37.0	"	50.0		115	80-120			

**Matrix Spike (B5D2809-MS1)**

**Source: E5D0766-04**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	13.4	0.274	mg/kg	4.72	8.18	110	75-125			
Barium	630	9.44	"	472	103	112	75-125			
Cadmium	5.87	0.0944	"	4.72	0.357	117	75-125			
Copper	68.0	9.44	"	47.2	13.5	115	75-125			
Lead	21.0	0.944	"	4.72	12.2	186	75-125			QM-07

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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 Project: PROJ-054017

**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 B5D2809 - EPA 3050B**

**Matrix Spike (B5D2809-MS1)**

**Source: E5D0766-04**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Nickel	15.4	0.944	mg/kg	4.72	10.9	95.7	75-125			
Selenium	5.77	0.246	"	4.72	0.727	107	75-125			
Silver	5.59	0.0944	"	4.72	0.0290	118	75-125			
Zinc	108	34.9	"	47.2	62.2	98.0	75-125			

**Matrix Spike Dup (B5D2809-MSD1)**

**Source: E5D0766-04**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	14.0	0.254	mg/kg	4.38	8.18	133	75-125	4.67	20	QM-07
Barium	576	8.75	"	438	103	108	75-125	8.95	20	
Cadmium	5.53	0.0875	"	4.38	0.357	118	75-125	5.89	20	
Copper	63.0	8.75	"	43.8	13.5	113	75-125	7.65	20	
Lead	16.6	0.875	"	4.38	12.2	101	75-125	23.4	20	QR-DUP
Nickel	14.8	0.875	"	4.38	10.9	89.9	75-125	3.88	20	
Selenium	5.53	0.228	"	4.38	0.727	110	75-125	4.16	20	
Silver	5.12	0.0875	"	4.38	0.0290	116	75-125	8.75	20	
Zinc	102	32.4	"	43.8	62.2	91.3	75-125	6.02	20	

**Batch B5D2810 - EPA 3050B**

**Blank (B5D2810-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	ND	0.290	mg/kg							U
Barium	ND	10.0	"							U
Cadmium	ND	0.100	"							U
Copper	ND	10.0	"							U
Lead	ND	1.00	"							U
Nickel	ND	1.00	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.100	"							U

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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
<b>Batch B5D2810 - EPA 3050B</b>										
<b>Blank (B5D2810-BLK1)</b>										
					Prepared: 04/28/2025 Analyzed: 04/29/2025					
Zinc	ND	37.0	mg/kg							U
<b>LCS (B5D2810-BS1)</b>										
					Prepared: 04/28/2025 Analyzed: 04/29/2025					
Arsenic	5.48	0.290	mg/kg	5.00		110	80-120			
Barium	580	10.0	"	500		116	80-120			
Cadmium	5.58	0.100	"	5.00		112	80-120			
Copper	55.2	10.0	"	50.0		110	80-120			
Lead	5.57	1.00	"	5.00		111	80-120			
Nickel	5.51	1.00	"	5.00		110	80-120			
Selenium	5.67	0.260	"	5.00		113	80-120			
Silver	5.71	0.100	"	5.00		114	80-120			
Zinc	60.2	37.0	"	50.0		120	80-120			
<b>Matrix Spike (B5D2810-MS1)</b>										
			<b>Source: E5D0768-01</b>			Prepared: 04/28/2025 Analyzed: 04/29/2025				
Arsenic	9.33	0.282	mg/kg	4.86	4.09	108	75-125			
Barium	654	9.72	"	486	95.3	115	75-125			
Cadmium	5.50	0.0972	"	4.86	0.257	108	75-125			
Copper	61.4	9.72	"	48.6	10.4	105	75-125			
Lead	14.8	0.972	"	4.86	9.29	113	75-125			
Nickel	13.3	0.972	"	4.86	8.59	97.3	75-125			
Selenium	5.39	0.253	"	4.86	0.272	105	75-125			
Silver	5.34	0.0972	"	4.86	0.0317	109	75-125			
Zinc	112	36.0	"	48.6	59.2	109	75-125			
<b>Matrix Spike Dup (B5D2810-MSD1)</b>										
			<b>Source: E5D0768-01</b>			Prepared: 04/28/2025 Analyzed: 04/29/2025				
Arsenic	9.08	0.268	mg/kg	4.62	4.09	108	75-125	2.68	20	
Barium	621	9.23	"	462	95.3	114	75-125	5.20	20	

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2810 - EPA 3050B**

**Matrix Spike Dup (B5D2810-MSD1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Cadmium	5.29	0.0923	mg/kg	4.62	0.257	109	75-125	3.92	20	
Copper	59.5	9.23	"	46.2	10.4	106	75-125	3.10	20	
Lead	14.7	0.923	"	4.62	9.29	118	75-125	0.107	20	
Nickel	13.3	0.923	"	4.62	8.59	102	75-125	0.0170	20	
Selenium	5.34	0.240	"	4.62	0.272	110	75-125	0.863	20	
Silver	5.13	0.0923	"	4.62	0.0317	110	75-125	4.10	20	
Zinc	113	34.2	"	46.2	59.2	117	75-125	1.24	20	

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 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2725 - Saturated Paste pH/EC**

**Blank (B5D2725-BLK1)**

Prepared: 04/27/2025 Analyzed: 05/02/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
<b>Duplicate (B5D2725-DUP1)</b>		<b>Source: E5D0768-01</b>								
pH	8.38		pH Units		8.47			1.07	25	
Specific Conductance (EC)	1.03	0.00500	mmhos/cm		0.653			44.9	25	QR-DUP

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
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 Project: PROJ-054017

**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 B5D2804 - EPA 5030 (soil)**

**Blank (B5D2804-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

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
Naphthalene	ND	0.00380	"							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		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	70-130			

**LCS (B5D2804-BS1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,2,4-Trimethylbenzene	0.0932	0.00200	mg/kg	0.100		93.2	70-130			
1,3,5-Trimethylbenzene	0.0939	0.00200	"	0.100		93.9	70-130			
Benzene	0.0913	0.00200	"	0.100		91.3	70-130			
Ethylbenzene	0.0904	0.00200	"	0.100		90.4	70-130			
Naphthalene	0.102	0.00380	"	0.100		102	70-130			
Toluene	0.0896	0.00200	"	0.100		89.6	70-130			
o-Xylene	0.0909	0.00200	"	0.100		90.9	70-130			
m,p-Xylene	0.175	0.00400	"	0.200		87.7	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.8	70-130			

**Matrix Spike (B5D2804-MS1)**

Source: E5D0768-01

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,2,4-Trimethylbenzene	0.0858	0.00200	mg/kg	0.100	ND	85.8	70-130			
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Jen Pellegrini For Jordan A. Bynon, Project Manager



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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2804 - EPA 5030 (soil)**

**Matrix Spike (B5D2804-MS1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,3,5-Trimethylbenzene	0.0873	0.00200	mg/kg	0.100	ND	87.3	70-130			
Benzene	0.0890	0.00200	"	0.100	0.000500	88.5	70-130			
Ethylbenzene	0.0883	0.00200	"	0.100	ND	88.3	70-130			
Naphthalene	0.0753	0.00380	"	0.100	ND	75.3	70-130			
Toluene	0.0860	0.00200	"	0.100	ND	86.0	70-130			
o-Xylene	0.0880	0.00200	"	0.100	ND	88.0	70-130			
m,p-Xylene	0.170	0.00400	"	0.200	ND	85.1	70-130			
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	0.12		"	0.125		99.7	70-130			

**Matrix Spike Dup (B5D2804-MSD1)**

**Source: E5D0768-01**

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,2,4-Trimethylbenzene	0.0842	0.00200	mg/kg	0.100	ND	84.2	70-130	1.88	20	
1,3,5-Trimethylbenzene	0.0846	0.00200	"	0.100	ND	84.6	70-130	3.21	20	
Benzene	0.0856	0.00200	"	0.100	0.000500	85.1	70-130	3.92	20	
Ethylbenzene	0.0840	0.00200	"	0.100	ND	84.0	70-130	4.97	20	
Naphthalene	0.0785	0.00380	"	0.100	ND	78.5	70-130	4.19	20	
Toluene	0.0828	0.00200	"	0.100	ND	82.8	70-130	3.82	20	
o-Xylene	0.0851	0.00200	"	0.100	ND	85.1	70-130	3.37	20	
m,p-Xylene	0.163	0.00400	"	0.200	ND	81.5	70-130	4.39	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130			

**Batch B5D2875 - EPA 5030B (Water)**

**Blank (B5D2875-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,1,1,2-Tetrachloroethane	ND	1.00	ug/L							U
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Jen Pellegrini For Jordan A. Bynon, Project Manager



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 Project: PROJ-054017

**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 B5D2875 - EPA 5030B (Water)**

**Blank (B5D2875-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,1,1-Trichloroethane	ND	1.00	ug/L							U
1,1,2,2-Tetrachloroethane	ND	1.00	"							U
1,1,2-Trichloroethane	ND	1.00	"							U
1,1-Dichloroethane	ND	1.00	"							U
1,1-Dichloroethene	ND	1.00	"							U
1,1-Dichloropropene	ND	1.00	"							U
1,2,3-Trichlorobenzene	ND	5.00	"							U
1,2,3-Trichloropropane	ND	5.00	"							U
1,2,4-Trichlorobenzene	ND	5.00	"							U
1,2,4-Trimethylbenzene	ND	1.00	"							U
1,2-Dibromo-3-chloropropane	ND	5.00	"							U
1,2-Dibromoethane (EDB)	ND	1.50	"							U
1,2-Dichlorobenzene	ND	1.00	"							U
1,2-Dichloroethane	ND	1.00	"							U
1,2-Dichloropropane	ND	1.00	"							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
1,3-Dichlorobenzene	ND	1.00	"							U
1,3-Dichloropropane	ND	1.00	"							U
1,4-Dichlorobenzene	ND	1.00	"							U
2,2-Dichloropropane	ND	1.00	"							U
2-Butanone	ND	5.00	"							U
2-Chlorotoluene	ND	1.00	"							U
2-Hexanone	ND	6.00	"							U
4-Chlorotoluene	ND	1.00	"							U
4-Isopropyltoluene	ND	1.00	"							U
4-Methyl-2-pentanone	ND	5.00	"							U

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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5D2875 - EPA 5030B (Water)**

**Blank (B5D2875-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

Acetone	ND	8.00	ug/L							U
Benzene	ND	1.00	"							U
Bromobenzene	ND	1.00	"							U
Bromochloromethane	ND	1.00	"							U
Bromodichloromethane	ND	1.00	"							U
Bromoform	ND	1.00	"							U
Bromomethane	ND	1.00	"							U
Carbon disulfide	ND	5.00	"							U
Carbon tetrachloride	ND	1.00	"							U
Chlorobenzene	ND	1.00	"							U
Chloroethane	ND	1.00	"							U
Chloroform	ND	1.00	"							U
Chloromethane	ND	1.00	"							U
cis-1,2-Dichloroethene	ND	1.00	"							U
cis-1,3-Dichloropropene	ND	1.00	"							U
Dibromochloromethane	ND	1.00	"							U
Dibromomethane	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Hexachlorobutadiene	ND	5.00	"							U
Iodomethane	ND	10.0	"							U
Isopropylbenzene	ND	1.00	"							U
m,p-Xylene	ND	2.00	"							U
Methylene Chloride	ND	15.0	"							U
Methyl tert-Butyl Ether	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
n-Butylbenzene	ND	1.00	"							U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2875 - EPA 5030B (Water)**

**Blank (B5D2875-BLK1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

n-Propylbenzene	ND	1.00	ug/L							U
o-Xylene	ND	1.00	"							U
sec-Butylbenzene	ND	1.00	"							U
Styrene	ND	1.00	"							U
tert-Butylbenzene	ND	1.00	"							U
Tetrachloroethene	ND	1.00	"							U
Toluene	ND	1.00	"							U
trans-1,2-Dichloroethene	ND	1.00	"							U
trans-1,3-Dichloropropene	ND	1.00	"							U
Trichloroethene	ND	1.00	"							U
Trichlorofluoromethane	ND	1.00	"							U
Vinyl chloride	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

**LCS (B5D2875-BS1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,1,1,2-Tetrachloroethane	48.2	1.00	ug/L	50.0		96.4	70-130			
1,1,1-Trichloroethane	45.6	1.00	"	50.0		91.1	70-130			
1,1,2,2-Tetrachloroethane	46.0	1.00	"	50.0		91.9	70-130			
1,1,2-Trichloroethane	46.6	1.00	"	50.0		93.2	70-130			
1,1-Dichloroethane	44.7	1.00	"	50.0		89.5	70-130			
1,1-Dichloroethene	43.0	1.00	"	50.0		86.0	70-130			
1,1-Dichloropropene	46.1	1.00	"	50.0		92.3	70-130			
1,2,3-Trichlorobenzene	52.5	5.00	"	50.0		105	70-130			
1,2,3-Trichloropropane	44.2	5.00	"	50.0		88.4	70-130			
1,2,4-Trichlorobenzene	47.4	5.00	"	50.0		94.9	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2875 - EPA 5030B (Water)**

**LCS (B5D2875-BS1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

1,2,4-Trimethylbenzene	49.8	1.00	ug/L	50.0		99.7	70-130			
1,2-Dibromo-3-chloropropane	44.2	5.00	"	50.0		88.4	70-130			
1,2-Dibromoethane (EDB)	47.5	1.50	"	50.0		95.0	70-130			
1,2-Dichlorobenzene	49.8	1.00	"	50.0		99.6	70-130			
1,2-Dichloroethane	45.6	1.00	"	50.0		91.1	70-130			
1,2-Dichloropropane	43.4	1.00	"	50.0		86.8	70-130			
1,3,5-Trimethylbenzene	50.1	1.00	"	50.0		100	70-130			
1,3-Dichlorobenzene	47.4	1.00	"	50.0		94.9	70-130			
1,3-Dichloropropane	48.8	1.00	"	50.0		97.7	70-130			
1,4-Dichlorobenzene	45.4	1.00	"	50.0		90.9	70-130			
2,2-Dichloropropane	43.0	1.00	"	50.0		85.9	70-130			
2-Butanone	253	5.00	"	250		101	70-130			
2-Chlorotoluene	46.2	1.00	"	50.0		92.4	70-130			
2-Hexanone	265	6.00	"	250		106	70-130			
4-Chlorotoluene	48.0	1.00	"	50.0		96.0	70-130			
4-Isopropyltoluene	49.8	1.00	"	50.0		99.5	70-130			
4-Methyl-2-pentanone	246	5.00	"	250		98.2	70-130			
Acetone	207	8.00	"	250		82.9	70-130			
Benzene	45.3	1.00	"	50.0		90.7	70-130			
Bromobenzene	46.0	1.00	"	50.0		91.9	70-130			
Bromochloromethane	44.3	1.00	"	50.0		88.6	70-130			
Bromodichloromethane	46.7	1.00	"	50.0		93.3	70-130			
Bromoform	44.5	1.00	"	50.0		88.9	70-130			
Bromomethane	48.3	1.00	"	50.0		96.6	70-130			
Carbon disulfide	43.7	5.00	"	50.0		87.3	70-130			
Carbon tetrachloride	46.4	1.00	"	50.0		92.8	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2875 - EPA 5030B (Water)**

**LCS (B5D2875-BS1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

Chlorobenzene	45.8	1.00	ug/L	50.0		91.6	70-130			
Chloroethane	47.3	1.00	"	50.0		94.5	70-130			
Chloroform	46.6	1.00	"	50.0		93.2	70-130			
Chloromethane	47.0	1.00	"	50.0		93.9	70-130			
cis-1,2-Dichloroethene	44.5	1.00	"	50.0		89.0	70-130			
cis-1,3-Dichloropropene	44.4	1.00	"	50.0		88.8	70-130			
Dibromochloromethane	47.4	1.00	"	50.0		94.9	70-130			
Dibromomethane	43.6	1.00	"	50.0		87.2	70-130			
Ethylbenzene	48.9	1.00	"	50.0		97.9	70-130			
Hexachlorobutadiene	48.4	5.00	"	50.0		96.7	70-130			
Iodomethane	44.0	10.0	"	50.0		88.0	70-130			
Isopropylbenzene	46.9	1.00	"	50.0		93.8	70-130			
m,p-Xylene	98.3	2.00	"	100		98.3	70-130			
Methylene Chloride	44.6	15.0	"	50.0		89.1	70-130			
Methyl tert-Butyl Ether	41.1	1.00	"	50.0		82.2	70-130			
Naphthalene	50.8	4.00	"	50.0		102	70-130			
n-Butylbenzene	52.2	1.00	"	50.0		104	70-130			
n-Propylbenzene	47.7	1.00	"	50.0		95.3	70-130			
o-Xylene	50.0	1.00	"	50.0		100	70-130			
sec-Butylbenzene	51.6	1.00	"	50.0		103	70-130			
Styrene	50.7	1.00	"	50.0		101	70-130			
tert-Butylbenzene	47.8	1.00	"	50.0		95.5	70-130			
Tetrachloroethene	45.3	1.00	"	50.0		90.6	70-130			
Toluene	44.3	1.00	"	50.0		88.5	70-130			
trans-1,2-Dichloroethene	44.5	1.00	"	50.0		89.1	70-130			
trans-1,3-Dichloropropene	50.3	1.00	"	50.0		101	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2875 - EPA 5030B (Water)**

**LCS (B5D2875-BS1)**

Prepared: 04/28/2025 Analyzed: 04/28/2025

Trichloroethene	45.0	1.00	ug/L	50.0		90.1	70-130			
Trichlorofluoromethane	65.2	1.00	"	50.0		130	70-130			
Vinyl chloride	49.2	1.00	"	50.0		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	70-130			

**Matrix Spike (B5D2875-MS1)**

**Source: E5D0762-07**

Prepared: 04/28/2025 Analyzed: 04/29/2025

1,1,1,2-Tetrachloroethane	42.6	1.00	ug/L	50.0	ND	85.2	70-130			
1,1,1-Trichloroethane	43.6	1.00	"	50.0	ND	87.2	70-130			
1,1,2,2-Tetrachloroethane	43.8	1.00	"	50.0	ND	87.6	70-130			
1,1,2-Trichloroethane	44.3	1.00	"	50.0	ND	88.5	70-130			
1,1-Dichloroethane	41.8	1.00	"	50.0	ND	83.6	70-130			
1,1-Dichloroethene	39.8	1.00	"	50.0	ND	79.6	70-130			
1,1-Dichloropropene	43.3	1.00	"	50.0	ND	86.7	70-130			
1,2,3-Trichlorobenzene	48.8	5.00	"	50.0	ND	97.6	70-130			
1,2,3-Trichloropropane	42.8	5.00	"	50.0	ND	85.6	70-130			
1,2,4-Trichlorobenzene	43.4	5.00	"	50.0	ND	86.7	70-130			
1,2,4-Trimethylbenzene	44.7	1.00	"	50.0	ND	89.5	70-130			
1,2-Dibromo-3-chloropropane	40.4	5.00	"	50.0	ND	80.9	70-130			
1,2-Dibromoethane (EDB)	44.5	1.50	"	50.0	ND	89.1	70-130			
1,2-Dichlorobenzene	43.9	1.00	"	50.0	ND	87.8	70-130			
1,2-Dichloroethane	42.0	1.00	"	50.0	ND	84.0	70-130			
1,2-Dichloropropane	41.8	1.00	"	50.0	ND	83.6	70-130			
1,3,5-Trimethylbenzene	45.3	1.00	"	50.0	ND	90.6	70-130			
1,3-Dichlorobenzene	41.5	1.00	"	50.0	ND	83.0	70-130			
1,3-Dichloropropane	44.9	1.00	"	50.0	ND	89.9	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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Kyle Lawrence  
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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5D2875 - EPA 5030B (Water)

Matrix Spike (B5D2875-MS1)

Source: E5D0762-07

Prepared: 04/28/2025 Analyzed: 04/29/2025

1,4-Dichlorobenzene	42.1	1.00	ug/L	50.0	ND	84.2	70-130			
2,2-Dichloropropane	41.5	1.00	"	50.0	ND	83.0	70-130			
2-Butanone	247	5.00	"	250	ND	98.7	70-130			
2-Chlorotoluene	43.5	1.00	"	50.0	ND	87.0	70-130			
2-Hexanone	245	6.00	"	250	ND	98.1	70-130			
4-Chlorotoluene	43.0	1.00	"	50.0	ND	85.9	70-130			
4-Isopropyltoluene	46.1	1.00	"	50.0	ND	92.2	70-130			
4-Methyl-2-pentanone	242	5.00	"	250	ND	96.6	70-130			
Acetone	196	8.00	"	250	ND	78.6	70-130			
Benzene	42.9	1.00	"	50.0	ND	85.8	70-130			
Bromobenzene	42.2	1.00	"	50.0	ND	84.5	70-130			
Bromochloromethane	42.6	1.00	"	50.0	ND	85.2	70-130			
Bromodichloromethane	43.4	1.00	"	50.0	ND	86.9	70-130			
Bromoform	41.1	1.00	"	50.0	ND	82.2	70-130			
Bromomethane	57.6	1.00	"	50.0	ND	115	70-130			
Carbon disulfide	42.1	5.00	"	50.0	ND	84.2	70-130			
Carbon tetrachloride	44.2	1.00	"	50.0	ND	88.4	70-130			
Chlorobenzene	42.6	1.00	"	50.0	ND	85.3	70-130			
Chloroethane	59.5	1.00	"	50.0	ND	119	70-130			
Chloroform	41.4	1.00	"	50.0	ND	82.9	70-130			
Chloromethane	48.2	1.00	"	50.0	ND	96.4	70-130			
cis-1,2-Dichloroethene	42.7	1.00	"	50.0	ND	85.4	70-130			
cis-1,3-Dichloropropene	41.3	1.00	"	50.0	ND	82.5	70-130			
Dibromochloromethane	44.6	1.00	"	50.0	ND	89.2	70-130			
Dibromomethane	42.7	1.00	"	50.0	ND	85.4	70-130			
Ethylbenzene	42.9	1.00	"	50.0	ND	85.8	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2875 - EPA 5030B (Water)**

**Matrix Spike (B5D2875-MS1)**

**Source: E5D0762-07**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Hexachlorobutadiene	43.4	5.00	ug/L	50.0	ND	86.8	70-130			
Iodomethane	41.6	10.0	"	50.0	ND	83.1	70-130			
Isopropylbenzene	43.7	1.00	"	50.0	ND	87.5	70-130			
m,p-Xylene	86.5	2.00	"	100	ND	86.5	70-130			
Methylene Chloride	41.9	15.0	"	50.0	ND	83.9	70-130			
Methyl tert-Butyl Ether	35.4	1.00	"	50.0	ND	70.8	70-130			
Naphthalene	46.4	4.00	"	50.0	ND	92.8	70-130			
n-Butylbenzene	46.9	1.00	"	50.0	ND	93.8	70-130			
n-Propylbenzene	44.6	1.00	"	50.0	ND	89.2	70-130			
o-Xylene	44.5	1.00	"	50.0	ND	89.1	70-130			
sec-Butylbenzene	45.8	1.00	"	50.0	ND	91.6	70-130			
Styrene	44.6	1.00	"	50.0	ND	89.2	70-130			
tert-Butylbenzene	42.0	1.00	"	50.0	ND	84.0	70-130			
Tetrachloroethene	43.4	1.00	"	50.0	ND	86.8	70-130			
Toluene	43.6	1.00	"	50.0	ND	87.3	70-130			
trans-1,2-Dichloroethene	41.7	1.00	"	50.0	ND	83.3	70-130			
trans-1,3-Dichloropropene	46.4	1.00	"	50.0	ND	92.7	70-130			
Trichloroethene	42.3	1.00	"	50.0	ND	84.6	70-130			
Trichlorofluoromethane	52.3	1.00	"	50.0	ND	105	70-130			
Vinyl chloride	50.3	1.00	"	50.0	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.5	70-130			

**Matrix Spike Dup (B5D2875-MSD1)**

**Source: E5D0762-07**

Prepared: 04/28/2025 Analyzed: 04/29/2025

1,1,1,2-Tetrachloroethane	52.3	1.00	ug/L	50.0	ND	105	70-130	20.5	20	QR-02
1,1,1-Trichloroethane	51.0	1.00	"	50.0	ND	102	70-130	15.7	20	

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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5D2875 - EPA 5030B (Water)**

**Matrix Spike Dup (B5D2875-MSD1)**

**Source: E5D0762-07**

Prepared: 04/28/2025 Analyzed: 04/29/2025

1,1,2,2-Tetrachloroethane	54.0	1.00	ug/L	50.0	ND	108	70-130	20.9	20	QR-02
1,1,2-Trichloroethane	52.6	1.00	"	50.0	ND	105	70-130	17.2	20	
1,1-Dichloroethane	48.3	1.00	"	50.0	ND	96.7	70-130	14.4	20	
1,1-Dichloroethene	45.9	1.00	"	50.0	ND	91.8	70-130	14.2	20	
1,1-Dichloropropene	50.5	1.00	"	50.0	ND	101	70-130	15.3	20	
1,2,3-Trichlorobenzene	56.9	5.00	"	50.0	ND	114	70-130	15.3	20	
1,2,3-Trichloropropane	51.6	5.00	"	50.0	ND	103	70-130	18.7	20	
1,2,4-Trichlorobenzene	51.4	5.00	"	50.0	ND	103	70-130	17.1	20	
1,2,4-Trimethylbenzene	54.8	1.00	"	50.0	ND	110	70-130	20.2	20	QR-02
1,2-Dibromo-3-chloropropane	51.1	5.00	"	50.0	ND	102	70-130	23.2	20	QR-02
1,2-Dibromoethane (EDB)	53.2	1.50	"	50.0	ND	106	70-130	17.6	20	
1,2-Dichlorobenzene	52.0	1.00	"	50.0	ND	104	70-130	16.8	20	
1,2-Dichloroethane	49.7	1.00	"	50.0	ND	99.4	70-130	16.8	20	
1,2-Dichloropropane	49.8	1.00	"	50.0	ND	99.7	70-130	17.6	20	
1,3,5-Trimethylbenzene	55.2	1.00	"	50.0	ND	110	70-130	19.6	20	
1,3-Dichlorobenzene	51.6	1.00	"	50.0	ND	103	70-130	21.7	20	QR-02
1,3-Dichloropropane	53.6	1.00	"	50.0	ND	107	70-130	17.6	20	
1,4-Dichlorobenzene	49.0	1.00	"	50.0	ND	98.0	70-130	15.1	20	
2,2-Dichloropropane	47.8	1.00	"	50.0	ND	95.6	70-130	14.1	20	
2-Butanone	289	5.00	"	250	ND	115	70-130	15.6	20	
2-Chlorotoluene	53.0	1.00	"	50.0	ND	106	70-130	19.7	20	
2-Hexanone	296	6.00	"	250	ND	118	70-130	18.6	20	
4-Chlorotoluene	52.4	1.00	"	50.0	ND	105	70-130	19.7	20	
4-Isopropyltoluene	54.8	1.00	"	50.0	ND	110	70-130	17.3	20	
4-Methyl-2-pentanone	301	5.00	"	250	ND	120	70-130	21.8	20	QR-02
Acetone	220	8.00	"	250	ND	88.1	70-130	11.4	20	

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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5D2875 - EPA 5030B (Water)**

**Matrix Spike Dup (B5D2875-MSD1)**

**Source: E5D0762-07**

Prepared: 04/28/2025 Analyzed: 04/29/2025

Benzene	49.8	1.00	ug/L	50.0	ND	99.7	70-130	15.0	20	
Bromobenzene	51.3	1.00	"	50.0	ND	103	70-130	19.3	20	
Bromochloromethane	49.3	1.00	"	50.0	ND	98.6	70-130	14.5	20	
Bromodichloromethane	51.5	1.00	"	50.0	ND	103	70-130	17.1	20	
Bromoform	53.4	1.00	"	50.0	ND	107	70-130	26.0	20	QR-02
Bromomethane	50.2	1.00	"	50.0	ND	100	70-130	13.8	20	
Carbon disulfide	48.4	5.00	"	50.0	ND	96.7	70-130	13.8	20	
Carbon tetrachloride	51.4	1.00	"	50.0	ND	103	70-130	15.0	20	
Chlorobenzene	49.9	1.00	"	50.0	ND	99.8	70-130	15.6	20	
Chloroethane	51.5	1.00	"	50.0	ND	103	70-130	14.5	20	
Chloroform	48.7	1.00	"	50.0	ND	97.4	70-130	16.1	20	
Chloromethane	41.5	1.00	"	50.0	ND	83.0	70-130	14.9	20	
cis-1,2-Dichloroethene	49.2	1.00	"	50.0	ND	98.3	70-130	14.0	20	
cis-1,3-Dichloropropene	49.0	1.00	"	50.0	ND	98.0	70-130	17.2	20	
Dibromochloromethane	53.3	1.00	"	50.0	ND	107	70-130	17.8	20	
Dibromomethane	50.5	1.00	"	50.0	ND	101	70-130	16.7	20	
Ethylbenzene	52.0	1.00	"	50.0	ND	104	70-130	19.1	20	
Hexachlorobutadiene	51.7	5.00	"	50.0	ND	103	70-130	17.5	20	
Iodomethane	47.9	10.0	"	50.0	ND	95.7	70-130	14.1	20	
Isopropylbenzene	52.8	1.00	"	50.0	ND	106	70-130	18.8	20	
m,p-Xylene	104	2.00	"	100	ND	104	70-130	18.6	20	
Methylene Chloride	48.2	15.0	"	50.0	ND	96.3	70-130	13.8	20	
Methyl tert-Butyl Ether	41.8	1.00	"	50.0	ND	83.6	70-130	16.6	20	
Naphthalene	58.5	4.00	"	50.0	ND	117	70-130	23.0	20	QR-02
n-Butylbenzene	55.0	1.00	"	50.0	ND	110	70-130	16.0	20	
n-Propylbenzene	54.1	1.00	"	50.0	ND	108	70-130	19.3	20	

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: PROJ-054017

**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 B5D2875 - EPA 5030B (Water)**

**Matrix Spike Dup (B5D2875-MSD1)**

**Source: E5D0762-07**

Prepared: 04/28/2025 Analyzed: 04/29/2025

o-Xylene	54.2	1.00	ug/L	50.0	ND	108	70-130	19.6	20	
sec-Butylbenzene	56.5	1.00	"	50.0	ND	113	70-130	21.0	20	QR-02
Styrene	54.6	1.00	"	50.0	ND	109	70-130	20.2	20	QR-02
tert-Butylbenzene	52.9	1.00	"	50.0	ND	106	70-130	22.9	20	QR-02
Tetrachloroethene	50.6	1.00	"	50.0	ND	101	70-130	15.4	20	
Toluene	51.3	1.00	"	50.0	ND	103	70-130	16.1	20	
trans-1,2-Dichloroethene	47.8	1.00	"	50.0	ND	95.6	70-130	13.8	20	
trans-1,3-Dichloropropene	55.5	1.00	"	50.0	ND	111	70-130	17.9	20	
Trichloroethene	49.7	1.00	"	50.0	ND	99.3	70-130	16.0	20	
Trichlorofluoromethane	44.8	1.00	"	50.0	ND	89.5	70-130	15.6	20	
Vinyl chloride	43.3	1.00	"	50.0	ND	86.6	70-130	15.0	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager

CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

## Notes and Definitions

U Sample is Non-Detect.

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

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

QM-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.

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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