



**CTEH**

**May 09, 2025**

**Kyle Lawrence**

**5120 North Shore Drive**

**North Little Rock AR 72118**

**Project Name - PROJ-054017**

**Project Number - PROJ-054017**

Attached are your analytical results for PROJ-054017 received by Origins Laboratory April 29, 2025. This project is associated with Origins project number E5D0850-01.

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
GACO0429T000S001	E5D0850-01	Soil	April 29, 2025 9:20	04/29/2025 20:15
GACO0429T000S002	E5D0850-02	Soil	April 29, 2025 9:40	04/29/2025 20:15
GACO0429T000S003	E5D0850-03	Soil	April 29, 2025 10:00	04/29/2025 20:15
GACO0429T000S004	E5D0850-04	Soil	April 29, 2025 10:35	04/29/2025 20:15
GACO0429T000T003	E5D0850-05	Water	April 29, 2025 7:30	04/29/2025 20:15

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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: ESD0850

Client: CTEH

Client Project ID: Bishop - 054017

Checklist Completed by: SMC/NKM

Shipped Via: HD

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

Date/time completed: 4/30/25

Airbill #: N/A

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

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 1 / 2.0 °C

Thermometer ID: T-007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	NC
Additional Comments (if any):				

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

Reviewed by (Project Manager) NKM

04/30/25  
Date/Time Reviewed

Origins Laboratory

*J. Bynon*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager





CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0429T000S001

4/29/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-01 (Soil) Origins Laboratory									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.31		0.0997	mg/L	1	B5D3013	04/30/2025	05/02/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.245	mg/kg	1	B5D3006	04/30/2025	05/07/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D3002	04/30/2025	04/30/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	97.6 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D3027	04/30/2025	04/30/2025	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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S001  
4/29/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-01 (Soil)  
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	88.1 %		70-130			B5D3027	04/30/2025	04/30/2025	
Surrogate: Toluene-d8	97.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.5 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	4.16	0.499	meq/L	10	[CALC]	04/30/2025	05/05/2025	
Magnesium	2.34	0.823	"	"	"	"	"	
Sodium	3.60	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5D3037	04/30/2025	04/30/2025	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

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S001  
4/29/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-01 (Soil)  
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5D3037	04/30/2025	04/30/2025	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	98.5 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.30	pH Units	1	B5D3017	04/30/2025	05/01/2025
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	1.99	0.0100	SAR	1	B5D3009	04/30/2025	05/05/2025
-----	------	--------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.850	0.00500	mmhos/cm	1	B5D3017	04/30/2025	05/01/2025
---------------------------	-------	---------	----------	---	---------	------------	------------

Table 915 metals by EPA 6020B

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S001

4/29/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-01 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	4.77		0.243	mg/kg	10	B5D3021	04/30/2025	05/01/2025	
Barium	81.7		68.6	"	"	"	"	"	
Cadmium	ND		0.318	"	"	"	"	"	
Copper	ND		38.5	"	"	"	"	"	
Lead	ND		11.7	"	"	"	"	"	
Nickel	ND		21.8	"	"	"	"	"	
Selenium	0.244		0.218	"	"	"	"	"	
Silver	ND		0.670	"	"	"	"	"	
Zinc	ND		310	"	"	"	"	"	

Origins Laboratory



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0429T000S002

4/29/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-02 (Soil) Origins Laboratory									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.08		0.101	mg/L	1	B5D3013	04/30/2025	05/02/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.250	mg/kg	1	B5D3006	04/30/2025	05/07/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D3002	04/30/2025	04/30/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	106 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D3027	04/30/2025	04/30/2025	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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S002  
4/29/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-02 (Soil)  
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	88.0 %		70-130			B5D3027	04/30/2025	04/30/2025	
Surrogate: Toluene-d8	99.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.58	0.499	meq/L	10	[CALC]	04/30/2025	05/05/2025	
Magnesium	2.41	0.823	"	"	"	"	"	
Sodium	3.30	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5D3037	04/30/2025	04/30/2025	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

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S002  
4/29/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-02 (Soil)  
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5D3037	04/30/2025	04/30/2025	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	98.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.9 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.33	pH Units	1	B5D3017	04/30/2025	05/01/2025
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	1.91	0.0100	SAR	1	B5D3009	04/30/2025	05/05/2025
-----	------	--------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.12	0.00500	mmhos/cm	1	B5D3017	04/30/2025	05/01/2025
---------------------------	------	---------	----------	---	---------	------------	------------

Table 915 metals by EPA 6020B

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S002

4/29/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-02 (Soil) Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	3.00		0.263	mg/kg	10	B5D3021	04/30/2025	05/01/2025	
Barium	ND		74.3	"	"	"	"	"	
Cadmium	ND		0.345	"	"	"	"	"	
Copper	ND		41.7	"	"	"	"	"	
Lead	ND		12.7	"	"	"	"	"	
Nickel	ND		23.6	"	"	"	"	"	
Selenium	ND		0.236	"	"	"	"	"	
Silver	ND		0.725	"	"	"	"	"	
Zinc	ND		335	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0429T000S003

4/29/2025 10:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-03 (Soil) Origins Laboratory									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.68		0.0996	mg/L	1	B5D3013	04/30/2025	05/02/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.241	mg/kg	1	B5D3006	04/30/2025	05/07/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D3002	04/30/2025	04/30/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	113 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D3027	04/30/2025	04/30/2025	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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S003  
4/29/2025 10:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-03 (Soil)  
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	91.1 %		70-130			B5D3027	04/30/2025	04/30/2025	
Surrogate: Toluene-d8	99.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.99	0.499	meq/L	10	[CALC]	04/30/2025	05/05/2025	
Magnesium	3.04	0.823	"	"	"	"	"	
Sodium	14.0	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5D3037	04/30/2025	04/30/2025	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

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S003  
4/29/2025 10:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-03 (Soil)  
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5D3037	04/30/2025	04/30/2025	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	98.3 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	102 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.7 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.45	pH Units	1	B5D3017	04/30/2025	05/01/2025
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	7.47	0.0100	SAR	1	B5D3009	04/30/2025	05/05/2025
-----	------	--------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.52	0.00500	mmhos/cm	1	B5D3017	04/30/2025	05/01/2025
---------------------------	------	---------	----------	---	---------	------------	------------

Table 915 metals by EPA 6020B

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S003

4/29/2025 10:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-03 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	5.27	0.274	mg/kg	10	B5D3021	04/30/2025	05/01/2025
Barium	89.4	77.4	"	"	"	"	"
Cadmium	ND	0.359	"	"	"	"	"
Copper	ND	43.4	"	"	"	"	"
Lead	ND	13.2	"	"	"	"	"
Nickel	ND	24.5	"	"	"	"	"
Selenium	0.312	0.245	"	"	"	"	"
Silver	ND	0.755	"	"	"	"	"
Zinc	ND	349	"	"	"	"	"

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S004

4/29/2025 10:35:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-04 (Soil) Origins Laboratory									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.18		0.0994	mg/L	1	B5D3013	04/30/2025	05/02/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.247	mg/kg	1	B5D3006	04/30/2025	05/08/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D3002	04/30/2025	04/30/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	127 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D3027	04/30/2025	04/30/2025	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	0.225		0.200	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	87.1 %			70-130		"	"	"	

Origins Laboratory



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S004

4/29/2025 10:35:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0850-04 (Soil)  
Origins Laboratory

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	98.9 %		70-130		B5D3027	04/30/2025	04/30/2025	
Surrogate: 4-Bromofluorobenzene	98.9 %		70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	3.99	0.499	meq/L	10	[CALC]	04/30/2025	05/05/2025	
Magnesium	2.59	0.823	"	"	"	"	"	
Sodium	3.51	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5D3037	04/30/2025	04/30/2025	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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S004

4/29/2025 10:35:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-04 (Soil) Origins Laboratory									
PAH by EPA 8270E extracted via 3580A									
Fluorene	ND		0.020	mg/kg	1	B5D3037	04/30/2025	04/30/2025	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U
Surrogate: Fluorene-d10	98.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	99.0 %			60-130		"	"	"	
Surrogate: Pyrene-d10	102 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %			60-130		"	"	"	
pH in Soil by 9045D									
pH	8.31			pH Units	1	B5D3017	04/30/2025	05/01/2025	
SAR by 20B Saturated Paste									
SAR	1.93		0.0100	SAR	1	B5D3009	04/30/2025	05/05/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	1.13		0.00500	mmhos/cm	1	B5D3017	04/30/2025	05/01/2025	
Table 915 metals by EPA 6020B									
Arsenic	4.31		0.262	mg/kg	10	B5D3021	04/30/2025	05/01/2025	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000S004

4/29/2025 10:35:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-04 (Soil) Origins Laboratory									
Table 915 metals by EPA 6020B									
Barium	74.1		74.0	mg/kg	10	B5D3021	04/30/2025	05/01/2025	
Cadmium	ND		0.343	"	"	"	"	"	
Copper	ND		41.5	"	"	"	"	"	
Lead	ND		12.6	"	"	"	"	"	
Nickel	ND		23.5	"	"	"	"	"	
Selenium	0.248		0.235	"	"	"	"	"	
Silver	ND		0.722	"	"	"	"	"	
Zinc	ND		334	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

**GACO0429T000T003**  
**4/29/2025 7:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0850-05 (Water)</b>									
<b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5D3030	04/30/2025	04/30/2025	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

Origins Laboratory



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000T003  
4/29/2025 7:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-05 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5D3030	04/30/2025	04/30/2025	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	"	"	"	"	05/03/2025	U
Benzene	ND		1.00	"	"	"	"	04/30/2025	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

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

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

GACO0429T000T003  
4/29/2025 7:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-05 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5D3030	04/30/2025	04/30/2025	U
Chloromethane	ND		1.00	"	"	"	"	05/03/2025	U
cis-1,2-Dichloroethene	ND		1.00	"	"	"	"	04/30/2025	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	"	"	"	"	05/03/2025	U
Iodomethane	ND		10.0	"	"	"	"	04/30/2025	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
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
tert-Butylbenzene	ND		1.00	"	"	"	"	"	U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0429T000T003

4/29/2025 7:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0850-05 (Water) Origins Laboratory									
VOC by EPA 8260D									
Tetrachloroethene	ND		1.00	ug/L	1	B5D3030	04/30/2025	04/30/2025	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	100 %			70-130		"	"	"	
Surrogate: Toluene-d8	101 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			70-130		"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
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
Batch B5D3006 - EPA 3060A										
Blank (B5D3006-BLK1)					Prepared: 04/30/2025 Analyzed: 05/07/2025					
Hexavalent Chromium	ND	0.250	mg/kg							
LCS (B5D3006-BS1)					Prepared: 04/30/2025 Analyzed: 05/07/2025					
Hexavalent Chromium	2.20	0.250	mg/kg	2.50		88.1	80-120			
Matrix Spike (B5D3006-MS1)					Source: E5D0850-03 Prepared: 04/30/2025 Analyzed: 05/07/2025					
Hexavalent Chromium	0.972	0.256	mg/kg	2.56	ND	38.0	75-125			QM-07
Matrix Spike (B5D3006-MS2)					Source: E5D0850-03 Prepared: 04/30/2025 Analyzed: 05/09/2025					
Hexavalent Chromium	189	23.9	mg/kg	252	ND	75.0	75-125			
Matrix Spike Dup (B5D3006-MSD1)					Source: E5D0850-03 Prepared: 04/30/2025 Analyzed: 05/07/2025					
Hexavalent Chromium	0.911	0.250	mg/kg	2.50	ND	36.5	75-125	6.54	200	QM-07
Post Spike (B5D3006-PS1)					Source: E5D0850-03 Prepared: 04/30/2025 Analyzed: 05/07/2025					
Hexavalent Chromium	48.7		ug/L	50.0	0.00	97.5	80-120			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D3009 - Saturated Paste Metals

Blank (B5D3009-BLK1)

Prepared: 04/30/2025 Analyzed: 05/02/2025

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

Duplicate (B5D3009-DUP1)

Source: E5D0850-03

Prepared: 04/30/2025 Analyzed: 05/02/2025

Calcium PPM	78.5	10.0	mg/L	80.0	1.93	50
SAR	ND	0.0100	SAR	7.47		200
Magnesium PPM	32.1	10.0	mg/L	36.9	14.0	50
Sodium PPM	275	10.0	"	322	15.7	50

Batch B5D3013 - DTPA Sorbitol Preparation

Blank (B5D3013-BLK1)

Prepared: 04/30/2025 Analyzed: 05/02/2025

Boron	ND	0.100	mg/L
-------	----	-------	------

Duplicate (B5D3013-DUP1)

Source: E5D0850-03

Prepared: 04/30/2025 Analyzed: 05/02/2025

Boron	1.77	0.0999	mg/L	1.68	5.40	50
-------	------	--------	------	------	------	----

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager





CTEH

5120 North Shore Drive

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3037 - EPA 3580****Blank (B5D3037-BLK1)**

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

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	200		ug/kg	200	98.4	60-130
Surrogate: Anthracene-d10	200		"	200	98.7	60-130
Surrogate: Pyrene-d10	210		"	200	104	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200	101	60-130

**LCS (B5D3037-BS1)**

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

1-Methylnaphthalene	0.198	0.002	mg/kg	0.200	99.1	70-130
2-Methylnaphthalene	0.199	0.002	"	0.200	99.4	70-130
Acenaphthene	0.199	0.020	"	0.200	99.7	70-130
Anthracene	0.196	0.020	"	0.200	98.0	70-130

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH

5120 North Shore Drive

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

## Batch B5D3037 - EPA 3580

## LCS (B5D3037-BS1)

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

Benzo (a) anthracene	0.211	0.005	mg/kg	0.200		106	70-130
Benzo (a) pyrene	0.204	0.020	"	0.200		102	70-130
Benzo (b) fluoranthene	0.208	0.020	"	0.200		104	70-130
Benzo (g,h,i) perylene	0.215	0.020	"	0.200		108	70-130
Benzo (k) fluoranthene	0.208	0.020	"	0.200		104	70-130
Chrysene	0.198	0.020	"	0.200		99.1	70-130
Dibenz (a,h) anthracene	0.211	0.020	"	0.200		105	70-130
Fluoranthene	0.215	0.020	"	0.200		107	70-130
Fluorene	0.196	0.020	"	0.200		98.0	70-130
Indeno (1,2,3-cd) pyrene	0.207	0.020	"	0.200		103	70-130
Naphthalene	0.203	0.002	"	0.200		101	70-130
Phenanthrene	0.201	0.020	"	0.200		101	70-130
Pyrene	0.214	0.020	"	0.200		107	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		98.2	60-130
Surrogate: Anthracene-d10	200		"	200		98.4	60-130
Surrogate: Pyrene-d10	210		"	200		104	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130

## Matrix Spike (B5D3037-MS1)

Source: E5D0850-03

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

1-Methylnaphthalene	0.200	0.002	mg/kg	0.200	ND	100	70-130
2-Methylnaphthalene	0.200	0.002	"	0.200	ND	100	70-130
Acenaphthene	0.193	0.020	"	0.200	0.0002	96.4	70-130
Anthracene	0.196	0.020	"	0.200	ND	98.0	70-130
Benzo (a) anthracene	0.208	0.005	"	0.200	ND	104	70-130
Benzo (a) pyrene	0.207	0.020	"	0.200	0.003	102	70-130
Benzo (b) fluoranthene	0.204	0.020	"	0.200	0.0007	102	70-130
Benzo (g,h,i) perylene	0.210	0.020	"	0.200	0.0007	105	70-130

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH

5120 North Shore Drive

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

## Batch B5D3037 - EPA 3580

Matrix Spike (B5D3037-MS1)			Source: E5D0850-03		Prepared: 04/30/2025 Analyzed: 04/30/2025					
Benzo (k) fluoranthene	0.197	0.020	mg/kg	0.200	ND	98.4	70-130			
Chrysene	0.204	0.020	"	0.200	0.0009	102	70-130			
Dibenz (a,h) anthracene	0.207	0.020	"	0.200	ND	103	70-130			
Fluoranthene	0.211	0.020	"	0.200	0.001	105	70-130			
Fluorene	0.197	0.020	"	0.200	0.0003	98.3	70-130			
Indeno (1,2,3-cd) pyrene	0.205	0.020	"	0.200	ND	103	70-130			
Naphthalene	0.211	0.002	"	0.200	ND	106	70-130			
Phenanthrene	0.203	0.020	"	0.200	ND	102	70-130			
Pyrene	0.209	0.020	"	0.200	0.0008	104	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.3	60-130			
Surrogate: Anthracene-d10	200		"	200		98.4	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike Dup (B5D3037-MSD1)			Source: E5D0850-03		Prepared: 04/30/2025 Analyzed: 04/30/2025					
1-Methylnaphthalene	0.207	0.002	mg/kg	0.200	ND	104	70-130	3.50	20	
2-Methylnaphthalene	0.208	0.002	"	0.200	ND	104	70-130	3.90	20	
Acenaphthene	0.207	0.020	"	0.200	0.0002	103	70-130	6.93	20	
Anthracene	0.206	0.020	"	0.200	ND	103	70-130	5.11	20	
Benzo (a) anthracene	0.208	0.005	"	0.200	ND	104	70-130	0.413	20	
Benzo (a) pyrene	0.218	0.020	"	0.200	0.003	108	70-130	5.23	20	
Benzo (b) fluoranthene	0.210	0.020	"	0.200	0.0007	105	70-130	3.15	20	
Benzo (g,h,i) perylene	0.220	0.020	"	0.200	0.0007	110	70-130	4.40	20	
Benzo (k) fluoranthene	0.215	0.020	"	0.200	ND	107	70-130	8.58	20	
Chrysene	0.203	0.020	"	0.200	0.0009	101	70-130	0.364	20	
Dibenz (a,h) anthracene	0.216	0.020	"	0.200	ND	108	70-130	4.53	20	
Fluoranthene	0.220	0.020	"	0.200	0.001	109	70-130	4.07	20	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH

5120 North Shore Drive

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D3037 - EPA 3580

Matrix Spike Dup (B5D3037-MSD1)				Source: E5D0850-03		Prepared: 04/30/2025 Analyzed: 04/30/2025				
Fluorene	0.204	0.020	mg/kg	0.200	0.0003	102	70-130	3.37	20	
Indeno (1,2,3-cd) pyrene	0.218	0.020	"	0.200	ND	109	70-130	6.12	20	
Naphthalene	0.205	0.002	"	0.200	ND	102	70-130	2.94	20	
Phenanthrene	0.212	0.020	"	0.200	ND	106	70-130	4.28	20	
Pyrene	0.218	0.020	"	0.200	0.0008	109	70-130	4.22	20	
Surrogate: Fluorene-d10	200		ug/kg	200		98.0	60-130			
Surrogate: Anthracene-d10	200		"	200		99.4	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.8	60-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH

5120 North Shore Drive

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
Batch B5D3002 - EPA 3550B										
Blank (B5D3002-BLK1)					Prepared: 04/30/2025 Analyzed: 04/30/2025					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	28		"	24.9		112	50-150			
LCS (B5D3002-BS1)					Prepared: 04/30/2025 Analyzed: 04/30/2025					
Diesel (C10-C28)	897	50.0	mg/kg	1000		89.7	70-130			
Residual Range Organics (C28-C40)	848	200	"	1000		84.8	70-130			
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			
Matrix Spike (B5D3002-MS1)					Source: E5D0850-03		Prepared: 04/30/2025 Analyzed: 04/30/2025			
Diesel (C10-C28)	943	50.0	mg/kg	1000	ND	94.3	70-130			
Residual Range Organics (C28-C40)	939	200	"	1000	ND	93.9	70-130			
Surrogate: o-Terphenyl	57		"	49.8		114	50-150			
Matrix Spike Dup (B5D3002-MSD1)					Source: E5D0850-03		Prepared: 04/30/2025 Analyzed: 04/30/2025			
Diesel (C10-C28)	884	50.0	mg/kg	1000	ND	88.4	70-130	6.42	35	
Residual Range Organics (C28-C40)	891	200	"	1000	ND	89.1	70-130	5.16	35	
Surrogate: o-Terphenyl	64		"	49.8		129	50-150			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3021 - EPA 3050B**

**Blank (B5D3021-BLK1)**

Prepared: 04/30/2025 Analyzed: 05/01/2025

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

**LCS (B5D3021-BS1)**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Arsenic	5.11	0.290	mg/kg	5.00	102	80-120
Barium	541	82.0	"	500	108	80-120
Cadmium	5.08	0.380	"	5.00	102	80-120
Copper	54.2	46.0	"	50.0	108	80-120
Lead	5.23	14.0	"	5.00	105	80-120
Nickel	5.40	26.0	"	5.00	108	80-120
Selenium	5.19	0.260	"	5.00	104	80-120
Silver	5.13	0.800	"	5.00	103	80-120
Zinc	57.0	370	"	50.0	114	80-120

**Matrix Spike (B5D3021-MS1)**

**Source: E5D0850-03**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Arsenic	9.19	0.285	mg/kg	4.91	5.27	79.6	75-125
Barium	563	80.6	"	491	89.4	96.4	75-125
Cadmium	5.05	0.373	"	4.91	0.286	97.0	75-125
Copper	67.0	45.2	"	49.1	17.5	101	75-125
Lead	13.6	13.8	"	4.91	9.33	86.3	75-125

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





CTEH  
5120 North Shore Drive  
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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D3021 - EPA 3050B

Matrix Spike (B5D3021-MS1)

Source: E5D0850-03

Prepared: 04/30/2025 Analyzed: 05/01/2025

Nickel	13.6	25.5	mg/kg	4.91	9.63	80.6	75-125
Selenium	5.08	0.255	"	4.91	0.312	97.0	75-125
Silver	5.00	0.786	"	4.91	0.0755	100	75-125
Zinc	106	364	"	49.1	60.2	94.1	75-125

Matrix Spike Dup (B5D3021-MSD1)

Source: E5D0850-03

Prepared: 04/30/2025 Analyzed: 05/01/2025

Arsenic	8.36	0.263	mg/kg	4.53	5.27	68.2	75-125	9.37	20	QM-07
Barium	516	74.3	"	453	89.4	94.2	75-125	8.69	20	
Cadmium	4.65	0.344	"	4.53	0.286	96.4	75-125	8.20	20	
Copper	63.0	41.7	"	45.3	17.5	101	75-125	6.03	20	
Lead	12.8	12.7	"	4.53	9.33	77.1	75-125	5.64	20	
Nickel	12.8	23.5	"	4.53	9.63	70.5	75-125	5.81	20	QM-07
Selenium	4.71	0.235	"	4.53	0.312	97.1	75-125	7.58	20	
Silver	4.57	0.725	"	4.53	0.0755	99.2	75-125	8.95	20	
Zinc	101	335	"	45.3	60.2	89.8	75-125	5.36	20	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager





CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D3017 - Saturated Paste pH/EC

Blank (B5D3017-BLK1)

Prepared: 04/30/2025 Analyzed: 05/01/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5D3017-DUP1)

Source: E5D0850-03

Prepared: 04/30/2025 Analyzed: 05/01/2025

Specific Conductance (EC)	2.28	0.00500	mmhos/cm	2.52	10.3	25
pH	8.32		pH Units	8.45	1.55	25

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3027 - EPA 5030 (soil)****Blank (B5D3027-BLK1)**

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

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	0.10	"	0.125	80.5	70-130
Surrogate: Toluene-d8	0.12	"	0.125	97.5	70-130
Surrogate: 4-Bromofluorobenzene	0.12	"	0.125	98.4	70-130

**LCS (B5D3027-BS1)**

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

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	105	70-130
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	104	70-130
Benzene	0.0931	0.00200	"	0.100	93.1	70-130
Ethylbenzene	0.0979	0.00200	"	0.100	97.9	70-130
Naphthalene	0.0984	0.00380	"	0.100	98.4	70-130
Toluene	0.0930	0.00200	"	0.100	93.0	70-130
o-Xylene	0.101	0.00200	"	0.100	101	70-130
m,p-Xylene	0.198	0.00400	"	0.200	98.8	70-130

Surrogate: 1,2-Dichloroethane-d4	0.10	"	0.125	79.9	70-130
Surrogate: Toluene-d8	0.12	"	0.125	98.8	70-130
Surrogate: 4-Bromofluorobenzene	0.11	"	0.125	91.7	70-130

**Matrix Spike (B5D3027-MS1)**

Source: E5D0856-05

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

1,2,4-Trimethylbenzene	0.0670	0.00200	mg/kg	0.100	ND	67.0	70-130	QM-07
------------------------	--------	---------	-------	-------	----	------	--------	-------

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3027 - EPA 5030 (soil)**

Matrix Spike (B5D3027-MS1)				Source: E5D0856-05			Prepared: 04/30/2025 Analyzed: 04/30/2025			
1,3,5-Trimethylbenzene	0.0664	0.00200	mg/kg	0.100	ND	66.4	70-130			QM-07
Benzene	0.0759	0.00200	"	0.100	ND	75.9	70-130			
Ethylbenzene	0.0745	0.00200	"	0.100	ND	74.5	70-130			
Naphthalene	0.0473	0.00380	"	0.100	ND	47.3	70-130			QM-07
Toluene	0.0705	0.00200	"	0.100	ND	70.5	70-130			
o-Xylene	0.0772	0.00200	"	0.100	ND	77.2	70-130			
m,p-Xylene	0.150	0.00400	"	0.200	ND	74.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

Matrix Spike (B5D3027-MS2)				Source: E5D0850-03			Prepared: 04/30/2025 Analyzed: 04/30/2025			
1,2,4-Trimethylbenzene	0.0786	0.00200	mg/kg	0.100	ND	78.6	70-130			
1,3,5-Trimethylbenzene	0.0781	0.00200	"	0.100	ND	78.1	70-130			
Benzene	0.0767	0.00200	"	0.100	ND	76.7	70-130			
Ethylbenzene	0.0797	0.00200	"	0.100	ND	79.7	70-130			
Naphthalene	0.0581	0.00380	"	0.100	ND	58.1	70-130			QM-07
Toluene	0.0736	0.00200	"	0.100	ND	73.6	70-130			
o-Xylene	0.0824	0.00200	"	0.100	ND	82.4	70-130			
m,p-Xylene	0.160	0.00400	"	0.200	ND	80.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		84.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.2	70-130			

Matrix Spike Dup (B5D3027-MSD1)				Source: E5D0856-05			Prepared: 04/30/2025 Analyzed: 04/30/2025			
1,2,4-Trimethylbenzene	0.0652	0.00200	mg/kg	0.100	ND	65.2	70-130	2.81	20	QM-07
1,3,5-Trimethylbenzene	0.0649	0.00200	"	0.100	ND	64.9	70-130	2.22	20	QM-07

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3027 - EPA 5030 (soil)**

Matrix Spike Dup (B5D3027-MSD1)				Source: E5D0856-05		Prepared: 04/30/2025 Analyzed: 04/30/2025				
Benzene	0.0720	0.00200	mg/kg	0.100	ND	72.0	70-130	5.30	20	
Ethylbenzene	0.0714	0.00200	"	0.100	ND	71.4	70-130	4.28	20	
Naphthalene	0.0419	0.00380	"	0.100	ND	41.9	70-130	12.1	20	QM-07
Toluene	0.0662	0.00200	"	0.100	ND	66.2	70-130	6.29	20	QM-07
o-Xylene	0.0722	0.00200	"	0.100	ND	72.2	70-130	6.72	20	
m,p-Xylene	0.144	0.00400	"	0.200	ND	71.9	70-130	4.14	20	
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		83.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.5	70-130			

Matrix Spike Dup (B5D3027-MSD2)				Source: E5D0850-03		Prepared: 04/30/2025 Analyzed: 04/30/2025				
1,2,4-Trimethylbenzene	0.0872	0.00200	mg/kg	0.100	ND	87.2	70-130	10.4	20	
1,3,5-Trimethylbenzene	0.0864	0.00200	"	0.100	ND	86.4	70-130	10.1	20	
Benzene	0.0849	0.00200	"	0.100	ND	84.9	70-130	10.2	20	
Ethylbenzene	0.0881	0.00200	"	0.100	ND	88.1	70-130	10.0	20	
Naphthalene	0.0707	0.00380	"	0.100	ND	70.7	70-130	19.5	20	
Toluene	0.0808	0.00200	"	0.100	ND	80.8	70-130	9.36	20	
o-Xylene	0.0923	0.00200	"	0.100	ND	92.3	70-130	11.4	20	
m,p-Xylene	0.177	0.00400	"	0.200	ND	88.6	70-130	9.86	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		87.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

**Batch B5D3030 - EPA 5030B (Water)**

Blank (B5D3030-BLK1)				Prepared: 04/30/2025 Analyzed: 04/30/2025						
1,1,1,2-Tetrachloroethane	ND	1.00	ug/L							U
1,1,1-Trichloroethane	ND	1.00	"							U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)****Blank (B5D3030-BLK1)**

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

1,1,2,2-Tetrachloroethane	ND	1.00	ug/L							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
Acetone	ND	8.00	"							U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)**

**Blank (B5D3030-BLK1)**

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

Benzene	ND	1.00	ug/L							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
n-Propylbenzene	ND	1.00	"							U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)****Blank (B5D3030-BLK1)**

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

o-Xylene	ND	1.00	ug/L							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	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	70-130			

**LCS (B5D3030-BS1)**

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

1,1,1,2-Tetrachloroethane	57.2	1.00	ug/L	50.0		114	70-130
1,1,1-Trichloroethane	41.7	1.00	"	50.0		83.4	70-130
1,1,2,2-Tetrachloroethane	55.7	1.00	"	50.0		111	70-130
1,1,2-Trichloroethane	48.0	1.00	"	50.0		96.0	70-130
1,1-Dichloroethane	44.1	1.00	"	50.0		88.2	70-130
1,1-Dichloroethene	47.5	1.00	"	50.0		94.9	70-130
1,1-Dichloropropene	43.2	1.00	"	50.0		86.3	70-130
1,2,3-Trichlorobenzene	53.8	5.00	"	50.0		108	70-130
1,2,3-Trichloropropane	55.4	5.00	"	50.0		111	70-130
1,2,4-Trichlorobenzene	53.6	5.00	"	50.0		107	70-130
1,2,4-Trimethylbenzene	61.0	1.00	"	50.0		122	70-130

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)****LCS (B5D3030-BS1)**

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

1,2-Dibromo-3-chloropropane	51.6	5.00	ug/L	50.0		103	70-130			
1,2-Dibromoethane (EDB)	47.6	1.50	"	50.0		95.2	70-130			
1,2-Dichlorobenzene	54.9	1.00	"	50.0		110	70-130			
1,2-Dichloroethane	45.2	1.00	"	50.0		90.5	70-130			
1,2-Dichloropropane	54.4	1.00	"	50.0		109	70-130			
1,3,5-Trimethylbenzene	55.4	1.00	"	50.0		111	70-130			
1,3-Dichlorobenzene	51.9	1.00	"	50.0		104	70-130			
1,3-Dichloropropane	51.5	1.00	"	50.0		103	70-130			
1,4-Dichlorobenzene	56.2	1.00	"	50.0		112	70-130			
2,2-Dichloropropane	44.9	1.00	"	50.0		89.8	70-130			
2-Butanone	271	5.00	"	250		108	70-130			
2-Chlorotoluene	53.3	1.00	"	50.0		107	70-130			
2-Hexanone	276	6.00	"	250		110	70-130			
4-Chlorotoluene	54.7	1.00	"	50.0		109	70-130			
4-Isopropyltoluene	62.4	1.00	"	50.0		125	70-130			
4-Methyl-2-pentanone	275	5.00	"	250		110	70-130			
Acetone	217	8.00	"	250		86.9	70-130			
Benzene	44.4	1.00	"	50.0		88.9	70-130			
Bromobenzene	57.0	1.00	"	50.0		114	70-130			
Bromochloromethane	43.3	1.00	"	50.0		86.6	70-130			
Bromodichloromethane	51.2	1.00	"	50.0		102	70-130			
Bromoform	47.6	1.00	"	50.0		95.1	70-130			
Bromomethane	52.5	1.00	"	50.0		105	70-130			
Carbon disulfide	41.7	5.00	"	50.0		83.4	70-130			
Carbon tetrachloride	41.5	1.00	"	50.0		83.0	70-130			
Chlorobenzene	51.7	1.00	"	50.0		103	70-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)**

**LCS (B5D3030-BS1)**

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

Chloroethane	57.5	1.00	ug/L	50.0		115	70-130			
Chloroform	40.9	1.00	"	50.0		81.8	70-130			
Chloromethane	57.7	1.00	"	50.0		115	70-130			
cis-1,2-Dichloroethene	46.4	1.00	"	50.0		92.9	70-130			
cis-1,3-Dichloropropene	50.1	1.00	"	50.0		100	70-130			
Dibromochloromethane	47.1	1.00	"	50.0		94.1	70-130			
Dibromomethane	46.6	1.00	"	50.0		93.1	70-130			
Ethylbenzene	55.1	1.00	"	50.0		110	70-130			
Hexachlorobutadiene	47.7	5.00	"	50.0		95.4	70-130			
Iodomethane	42.2	10.0	"	50.0		84.3	70-130			
Isopropylbenzene	60.6	1.00	"	50.0		121	70-130			
m,p-Xylene	107	2.00	"	100		107	70-130			
Methylene Chloride	50.0	15.0	"	50.0		99.9	70-130			
Methyl tert-Butyl Ether	48.3	1.00	"	50.0		96.6	70-130			
Naphthalene	53.9	4.00	"	50.0		108	70-130			
n-Butylbenzene	63.1	1.00	"	50.0		126	70-130			
n-Propylbenzene	56.7	1.00	"	50.0		113	70-130			
o-Xylene	53.6	1.00	"	50.0		107	70-130			
sec-Butylbenzene	63.2	1.00	"	50.0		126	70-130			
Styrene	54.8	1.00	"	50.0		110	70-130			
tert-Butylbenzene	61.8	1.00	"	50.0		124	70-130			
Tetrachloroethene	48.5	1.00	"	50.0		96.9	70-130			
Toluene	46.5	1.00	"	50.0		92.9	70-130			
trans-1,2-Dichloroethene	45.4	1.00	"	50.0		90.9	70-130			
trans-1,3-Dichloropropene	53.4	1.00	"	50.0		107	70-130			
Trichloroethene	48.6	1.00	"	50.0		97.1	70-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)****LCS (B5D3030-BS1)**

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

Trichlorofluoromethane	45.2	1.00	ug/L	50.0		90.5	70-130			
Vinyl chloride	64.3	1.00	"	50.0		129	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.1	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	71		"	62.5		113	70-130			

**Matrix Spike (B5D3030-MS1)****Source: E5D0850-05**

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

1,1,1,2-Tetrachloroethane	60.6	1.00	ug/L	50.0	ND	121	70-130			
1,1,1-Trichloroethane	43.9	1.00	"	50.0	ND	87.8	70-130			
1,1,2,2-Tetrachloroethane	53.2	1.00	"	50.0	ND	106	70-130			
1,1,2-Trichloroethane	48.7	1.00	"	50.0	ND	97.4	70-130			
1,1-Dichloroethane	44.8	1.00	"	50.0	ND	89.6	70-130			
1,1-Dichloroethene	45.4	1.00	"	50.0	ND	90.8	70-130			
1,1-Dichloropropene	45.2	1.00	"	50.0	ND	90.4	70-130			
1,2,3-Trichlorobenzene	52.7	5.00	"	50.0	ND	105	70-130			
1,2,3-Trichloropropane	49.4	5.00	"	50.0	ND	98.8	70-130			
1,2,4-Trichlorobenzene	54.1	5.00	"	50.0	ND	108	70-130			
1,2,4-Trimethylbenzene	65.7	1.00	"	50.0	ND	131	70-130			QM-07
1,2-Dibromo-3-chloropropane	48.2	5.00	"	50.0	ND	96.4	70-130			
1,2-Dibromoethane (EDB)	47.9	1.50	"	50.0	ND	95.8	70-130			
1,2-Dichlorobenzene	56.1	1.00	"	50.0	ND	112	70-130			
1,2-Dichloroethane	45.3	1.00	"	50.0	ND	90.6	70-130			
1,2-Dichloropropane	54.8	1.00	"	50.0	ND	110	70-130			
1,3,5-Trimethylbenzene	62.2	1.00	"	50.0	ND	124	70-130			
1,3-Dichlorobenzene	55.4	1.00	"	50.0	ND	111	70-130			
1,3-Dichloropropane	51.8	1.00	"	50.0	ND	104	70-130			
1,4-Dichlorobenzene	56.5	1.00	"	50.0	ND	113	70-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)**

**Matrix Spike (B5D3030-MS1)**

**Source: E5D0850-05**

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

2,2-Dichloropropane	46.2	1.00	ug/L	50.0	ND	92.4	70-130			
2-Butanone	244	5.00	"	250	ND	97.6	70-130			
2-Chlorotoluene	61.4	1.00	"	50.0	ND	123	70-130			
2-Hexanone	255	6.00	"	250	ND	102	70-130			
4-Chlorotoluene	60.2	1.00	"	50.0	ND	120	70-130			
4-Isopropyltoluene	68.9	1.00	"	50.0	ND	138	70-130			QM-07
4-Methyl-2-pentanone	258	5.00	"	250	ND	103	70-130			
Acetone	322	8.00	"	250	ND	129	70-130			
Benzene	45.8	1.00	"	50.0	ND	91.5	70-130			
Bromobenzene	59.3	1.00	"	50.0	ND	119	70-130			
Bromochloromethane	43.5	1.00	"	50.0	ND	86.9	70-130			
Bromodichloromethane	51.7	1.00	"	50.0	ND	103	70-130			
Bromoform	46.4	1.00	"	50.0	ND	92.7	70-130			
Bromomethane	52.9	1.00	"	50.0	ND	106	70-130			
Carbon disulfide	39.2	5.00	"	50.0	ND	78.4	70-130			
Carbon tetrachloride	44.0	1.00	"	50.0	ND	88.0	70-130			
Chlorobenzene	55.0	1.00	"	50.0	ND	110	70-130			
Chloroethane	57.0	1.00	"	50.0	ND	114	70-130			
Chloroform	40.5	1.00	"	50.0	ND	81.0	70-130			
Chloromethane	65.8	1.00	"	50.0	ND	132	70-130			QM-07
cis-1,2-Dichloroethene	47.6	1.00	"	50.0	ND	95.3	70-130			
cis-1,3-Dichloropropene	52.3	1.00	"	50.0	ND	105	70-130			
Dibromochloromethane	48.3	1.00	"	50.0	ND	96.6	70-130			
Dibromomethane	45.6	1.00	"	50.0	ND	91.3	70-130			
Ethylbenzene	60.3	1.00	"	50.0	ND	121	70-130			
Hexachlorobutadiene	75.1	5.00	"	50.0	ND	150	70-130			QM-07

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)**

Matrix Spike (B5D3030-MS1)			Source: E5D0850-05		Prepared: 04/30/2025 Analyzed: 04/30/2025					
Iodomethane	41.7	10.0	ug/L	50.0	ND	83.4	70-130			
Isopropylbenzene	66.2	1.00	"	50.0	ND	132	70-130			QM-07
m,p-Xylene	117	2.00	"	100	ND	117	70-130			
Methylene Chloride	48.2	15.0	"	50.0	ND	96.5	70-130			
Methyl tert-Butyl Ether	43.2	1.00	"	50.0	ND	86.5	70-130			
Naphthalene	50.8	4.00	"	50.0	ND	102	70-130			
n-Butylbenzene	68.9	1.00	"	50.0	ND	138	70-130			QM-07
n-Propylbenzene	62.1	1.00	"	50.0	ND	124	70-130			
o-Xylene	57.6	1.00	"	50.0	ND	115	70-130			
sec-Butylbenzene	70.0	1.00	"	50.0	ND	140	70-130			QM-07
Styrene	58.4	1.00	"	50.0	ND	117	70-130			
tert-Butylbenzene	68.6	1.00	"	50.0	ND	137	70-130			QM-07
Tetrachloroethene	54.0	1.00	"	50.0	ND	108	70-130			
Toluene	51.2	1.00	"	50.0	ND	102	70-130			
trans-1,2-Dichloroethene	45.7	1.00	"	50.0	ND	91.3	70-130			
trans-1,3-Dichloropropene	54.3	1.00	"	50.0	ND	109	70-130			
Trichloroethene	51.3	1.00	"	50.0	ND	103	70-130			
Trichlorofluoromethane	45.4	1.00	"	50.0	ND	90.8	70-130			
Vinyl chloride	60.9	1.00	"	50.0	ND	122	70-130			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.5	70-130			
Surrogate: Toluene-d8	66		"	62.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	70		"	62.5		111	70-130			

Matrix Spike Dup (B5D3030-MSD1)			Source: E5D0850-05		Prepared: 04/30/2025 Analyzed: 04/30/2025					
1,1,1,2-Tetrachloroethane	68.7	1.00	ug/L	50.0	ND	137	70-130	12.6	20	QM-07
1,1,1-Trichloroethane	48.5	1.00	"	50.0	ND	96.9	70-130	9.85	20	
1,1,2,2-Tetrachloroethane	67.6	1.00	"	50.0	ND	135	70-130	23.8	20	QM-07

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
Batch B5D3030 - EPA 5030B (Water)										
Matrix Spike Dup (B5D3030-MSD1)										
Source: E5D0850-05										
Prepared: 04/30/2025 Analyzed: 04/30/2025										
1,1,2-Trichloroethane	54.2	1.00	ug/L	50.0	ND	108	70-130	10.7	20	
1,1-Dichloroethane	50.0	1.00	"	50.0	ND	100	70-130	11.0	20	
1,1-Dichloroethene	51.8	1.00	"	50.0	ND	104	70-130	13.1	20	
1,1-Dichloropropene	50.3	1.00	"	50.0	ND	101	70-130	10.7	20	
1,2,3-Trichlorobenzene	64.1	5.00	"	50.0	ND	128	70-130	19.5	20	
1,2,3-Trichloropropane	62.6	5.00	"	50.0	ND	125	70-130	23.6	20	QR-02
1,2,4-Trichlorobenzene	64.2	5.00	"	50.0	ND	128	70-130	17.1	20	
1,2,4-Trimethylbenzene	72.8	1.00	"	50.0	ND	146	70-130	10.3	20	QM-07
1,2-Dibromo-3-chloropropane	60.9	5.00	"	50.0	ND	122	70-130	23.3	20	QR-02
1,2-Dibromoethane (EDB)	53.9	1.50	"	50.0	ND	108	70-130	11.7	20	
1,2-Dichlorobenzene	62.7	1.00	"	50.0	ND	125	70-130	11.1	20	
1,2-Dichloroethane	50.2	1.00	"	50.0	ND	100	70-130	10.2	20	
1,2-Dichloropropane	61.9	1.00	"	50.0	ND	124	70-130	12.2	20	
1,3,5-Trimethylbenzene	69.6	1.00	"	50.0	ND	139	70-130	11.1	20	QM-07
1,3-Dichlorobenzene	59.8	1.00	"	50.0	ND	120	70-130	7.78	20	
1,3-Dichloropropane	58.0	1.00	"	50.0	ND	116	70-130	11.3	20	
1,4-Dichlorobenzene	64.9	1.00	"	50.0	ND	130	70-130	13.9	20	
2,2-Dichloropropane	52.3	1.00	"	50.0	ND	105	70-130	12.3	20	
2-Butanone	302	5.00	"	250	ND	121	70-130	21.3	20	QR-02
2-Chlorotoluene	69.2	1.00	"	50.0	ND	138	70-130	11.9	20	QM-07
2-Hexanone	312	6.00	"	250	ND	125	70-130	20.4	20	QR-02
4-Chlorotoluene	67.4	1.00	"	50.0	ND	135	70-130	11.4	20	QM-07
4-Isopropyltoluene	73.3	1.00	"	50.0	ND	147	70-130	6.20	20	QM-07
4-Methyl-2-pentanone	312	5.00	"	250	ND	125	70-130	19.1	20	
Acetone	386	8.00	"	250	ND	154	70-130	18.1	20	QM-07
Benzene	51.1	1.00	"	50.0	ND	102	70-130	11.1	20	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3030 - EPA 5030B (Water)****Matrix Spike Dup (B5D3030-MSD1)****Source: E5D0850-05**

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

Bromobenzene	69.2	1.00	ug/L	50.0	ND	138	70-130	15.5	20	QM-07
Bromochloromethane	48.6	1.00	"	50.0	ND	97.1	70-130	11.1	20	
Bromodichloromethane	59.4	1.00	"	50.0	ND	119	70-130	13.9	20	
Bromoform	55.8	1.00	"	50.0	ND	112	70-130	18.5	20	
Bromomethane	63.1	1.00	"	50.0	ND	126	70-130	17.6	20	
Carbon disulfide	45.4	5.00	"	50.0	ND	90.8	70-130	14.6	20	
Carbon tetrachloride	48.8	1.00	"	50.0	ND	97.7	70-130	10.4	20	
Chlorobenzene	60.0	1.00	"	50.0	ND	120	70-130	8.56	20	
Chloroethane	66.0	1.00	"	50.0	ND	132	70-130	14.6	20	QM-07
Chloroform	44.8	1.00	"	50.0	ND	89.6	70-130	10.1	20	
Chloromethane	81.8	1.00	"	50.0	ND	164	70-130	21.7	20	QM-07
cis-1,2-Dichloroethene	53.0	1.00	"	50.0	ND	106	70-130	10.7	20	
cis-1,3-Dichloropropene	56.9	1.00	"	50.0	ND	114	70-130	8.33	20	
Dibromochloromethane	53.3	1.00	"	50.0	ND	107	70-130	9.81	20	
Dibromomethane	54.0	1.00	"	50.0	ND	108	70-130	16.7	20	
Ethylbenzene	66.6	1.00	"	50.0	ND	133	70-130	9.95	20	QM-07
Hexachlorobutadiene	85.5	5.00	"	50.0	ND	171	70-130	12.9	20	QM-07
Iodomethane	46.8	10.0	"	50.0	ND	93.7	70-130	11.6	20	
Isopropylbenzene	73.9	1.00	"	50.0	ND	148	70-130	11.0	20	QM-07
m,p-Xylene	130	2.00	"	100	ND	130	70-130	10.4	20	
Methylene Chloride	55.2	15.0	"	50.0	ND	110	70-130	13.5	20	
Methyl tert-Butyl Ether	53.3	1.00	"	50.0	ND	107	70-130	20.8	20	QR-02
Naphthalene	64.3	4.00	"	50.0	ND	129	70-130	23.4	20	QR-02
n-Butylbenzene	73.9	1.00	"	50.0	ND	148	70-130	6.97	20	QM-07
n-Propylbenzene	71.3	1.00	"	50.0	ND	143	70-130	13.9	20	QM-07
o-Xylene	64.5	1.00	"	50.0	ND	129	70-130	11.3	20	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D3030 - EPA 5030B (Water)

Matrix Spike Dup (B5D3030-MSD1)			Source: E5D0850-05			Prepared: 04/30/2025 Analyzed: 04/30/2025				
sec-Butylbenzene	74.8	1.00	ug/L	50.0	ND	150	70-130	6.65	20	QM-07
Styrene	65.6	1.00	"	50.0	ND	131	70-130	11.5	20	QM-07
tert-Butylbenzene	75.6	1.00	"	50.0	ND	151	70-130	9.62	20	QM-07
Tetrachloroethene	57.4	1.00	"	50.0	ND	115	70-130	6.14	20	
Toluene	54.2	1.00	"	50.0	ND	108	70-130	5.58	20	
trans-1,2-Dichloroethene	51.8	1.00	"	50.0	ND	104	70-130	12.5	20	
trans-1,3-Dichloropropene	60.3	1.00	"	50.0	ND	121	70-130	10.5	20	
Trichloroethene	58.3	1.00	"	50.0	ND	117	70-130	12.7	20	
Trichlorofluoromethane	52.2	1.00	"	50.0	ND	104	70-130	14.0	20	
Vinyl chloride	76.3	1.00	"	50.0	ND	153	70-130	22.5	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.9	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	72		"	62.5		116	70-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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-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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.