



**CTEH**

**Kyle Lawrence**

**5120 North Shore Drive**

**North Little Rock AR 72118**

**June 11, 2025**

**Project Name - PROJ-054017**

**Project Number - PROJ-054017**

Attached are your analytical results for PROJ-054017 received by Origins Laboratory May 14, 2025. This project is associated with Origins project number E5E0445-01.

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
GACO0513T064-1CRT006	E5E0445-01	Water	May 8, 2025 7:00	05/14/2025 07:30
GACO0513T064-1CRS009	E5E0445-02	Soil	May 13, 2025 14:20	05/14/2025 07:30
GACO0513T064-1CRS010	E5E0445-03	Soil	May 13, 2025 14:35	05/14/2025 07:30
GACO0513T064-1CRC010	E5E0445-04	Soil	May 13, 2025 14:35	05/14/2025 07:30
GACO0513T064-1CRS011	E5E0445-05	Soil	May 13, 2025 14:50	05/14/2025 07:30
GACO0513T064-1CRS001	E5E0445-06	Soil	May 13, 2025 14:30	05/14/2025 07:30
GACO0513T064-1CRS002	E5E0445-07	Soil	May 13, 2025 14:50	05/14/2025 07:30
GACO0513T064-1CRS003	E5E0445-08	Soil	May 13, 2025 15:00	05/14/2025 07:30
GACO0513T064-1CRS019	E5E0445-09	Soil	May 13, 2025 14:20	05/14/2025 07:30
GACO0513T064-1CRS020	E5E0445-10	Soil	May 13, 2025 14:35	05/14/2025 07:30
GACO0513T064-1CRT002	E5E0445-11	Water	May 13, 2025 7:00	05/14/2025 07:30
GACO0513T064-1CRS005	E5E0445-12	Soil	May 13, 2025 14:37	05/14/2025 07:30
GACO0513T064-1CRS006	E5E0445-13	Soil	May 13, 2025 14:55	05/14/2025 07:30
GACO0513T064-1CRS008	E5E0445-14	Soil	May 13, 2025 15:00	05/14/2025 07:30

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.

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

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GACO0513T064-1CRS016	E5E0445-15	Soil	May 13, 2025 15:20	05/14/2025 07:30
GACO0513T064-1CRS017	E5E0445-16	Soil	May 13, 2025 14:35	05/14/2025 07:30
GACO0513T064-1CRS018	E5E0445-17	Soil	May 13, 2025 14:47	05/14/2025 07:30
GACO0513T064-1CRT011	E5E0445-18	Water	May 13, 2025 7:00	05/14/2025 07:30
GACO0513T064-1CRS012	E5E0445-19	Soil	May 13, 2025 14:20	05/14/2025 07:30
GACO0513T064-1CRS013	E5E0445-20	Soil	May 13, 2025 14:35	05/14/2025 07:30
GACO0513T064-1CRS014	E5E0445-21	Soil	May 13, 2025 14:25	05/14/2025 07:30
GACO0513T064-1CRS015	E5E0445-22	Soil	May 13, 2025 14:35	05/14/2025 07:30
GACO0513T064-1CRT009	E5E0445-23	Water	May 13, 2025 7:00	05/14/2025 07:30
GACO0513T064-1CRT010	E5E0445-24	Water	May 13, 2025 7:00	05/14/2025 07:30

### Chain of Custody Replacement Request

On 5/31/2025, Madelyn Klinkerman from CTEH contacted Jennifer Pellegrini via email regarding E5E0445 requesting that the collection time for GACO0513T064-1CRS017 be updated to 1435.

Requested modifications to the chain of custody were made by Jennifer Pellegrini on 6/4/2025 and a modified chain of custody is included in the report.

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

ESE0445

Chain of Custody Record		Turn Around Time (rush by advanced notice only)		Analysis Request		Test Instructions / Comments	
Lab No:	Page: 1 of 34	Standard:	3 Day:	5 Day:	1 Day:	Sample Receipt Time and Notes:	(Lab use only)
<b>ENTHALPY ANALYTICAL</b> <b>Enthalpy Analytical - Denver</b> 1725 W. Elk Place, Denver, CO 80211 Phone 303-433-1322		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other		Preservatives: 0 = none 1 = Na S.O. 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other			
<b>CUSTOMER INFORMATION</b> Company: CTEH Report To: Lab Results: Kyle Lawrence; Eric Cullin; Andrew Email: Hestah; Tam McMillin; Madison Winkler Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: Site Name: Galetan, CO Billing Instruction: ctehap@montrose-env.com		<b>PROJECT INFORMATION</b> Name: PROJ-054017 Bishop Loss of Containment Number: P.O. #: Address: Galetan, CO Site Name: Global ID: Sampled By: Romeo Flores		<b>Analysis Request</b> VOCs 82600 Table 915			
Sample ID: 1 (CAC005131964-1) CTEH 006 Sampling Date: 5/6/2025 Sampling Time (24 hr): 7:00 AM		Sample Type: B Matrix: X Cont. No.: 2 Cont. Size: 140 mL WB		Sample Type: B Matrix: X Cont. No.: 2 Cont. Size: 140 mL WB			
Relinquished By: <i>[Signature]</i> Received By: <i>[Signature]</i> Relinquished By: Received By: Relinquished By: Received By:		Signature: <i>[Signature]</i> Print Name: Romeo Flores Company / Title: CTEH Date / Time: 05-13-25 18:00 5/14/25 0130					

Origins Laboratory

*Jen Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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# ORIGINS LABORATORY

CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

ES E0445

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)				
Lab No: 2 of 4		Page: 2 of 4		Standard	5 Day	1 Day	3 Day	
Matrix: A = Air S = Soil Solid W = Water		Sample Type		Preservatives: 0 = none				
DW = Drinking Water P = Product O = Oil		C = Composite		1 = H <sub>2</sub> S O <sub>2</sub> 2 = HCl				
SD = Sediment T = Tissue WP = Wipe		G = Grab or Discrete		3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub>				
WW = Wastewater X = Other		B = Blank		5 = NaOH 6 = Other				
<b>Enthalpy Analytical - Denver</b> 1725 W Elk Place, Denver, CO 80211 Phone 303-433-1322		<b>PROJECT INFORMATION</b> Name: PROJ-054017 Bishop Loss of Containment Number: P.O. #: Address: 5120 Northshore Dr, North Little Rock, AR 72118 Site Name: Global ID: Sampled By: Romeo Flores		<b>Analysis Request</b> VOCs 8260D Table 915				<b>Test Instructions / Comments</b>
Company: CTEH	Lab Results: Kyle Lawrence, Eric Cullin, Andrew	Sampling Date: 5/13/2025	Sampling Time (24 hr): 14:28 S	Sample Matrix: G	Sample Type: 0	Pres. No: 3	Cont. Size: 4 OZ	Initials: RF
Report To: Herald, Tim McMillan, Madeline Thimman		5/13/2025	14:35 S	G	0	3	4 OZ	RF
Email: Herald@cteh.com, tim.mcmillan@cteh.com, madeline.thimman@cteh.com		5/13/2025	14:35 S	G	0	3	4 OZ	RF
		5/13/2025	14:50 S	G	0	3	4 OZ	RF
		5/13/2025	14:50 S	G	0	3	4 OZ	MB
		5/13/2025	14:50 S	G	0	3	4 OZ	MB
		5/13/2025	15:00 S	G	0	3	4 OZ	MB
		5/13/2025	14:28 S	G	0	3	4 OZ	MB
		5/13/2025	14:35 S	G	0	3	4 OZ	MB
		5/13/2025	7:00 X	B	2	2	40 mL	MB
<b>CUSTOMER INFORMATION</b> Company: CTEH Lab Results: Kyle Lawrence, Eric Cullin, Andrew Report To: Herald, Tim McMillan, Madeline Thimman Email: Herald@cteh.com, tim.mcmillan@cteh.com, madeline.thimman@cteh.com Address: 5120 Northshore Dr, North Little Rock, AR 72118 Site Name: Global ID: Sampled By: Romeo Flores		<b>Signature</b> Relinquished By: [Signature] Received By: [Signature] Relinquished By: Received By: Relinquished By: Received By:		<b>Print Name</b> Romeo Flores Sydney Grashen		<b>Company / Title</b> CTEH Enthalpy		<b>Date / Time</b> 05-13-25 18:00 3/14/25 0730

Origins Laboratory

*Jen Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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# ORIGINS LABORATORY

CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

E5E0445

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Lab No:	Page:	Standard:	5 Day:	1 Day:	3 Day:	Custom TAT:	ASAP
1725 W. Elk Place, Denver, CO 80211	3 of 4						
Phone: 303-433-1322							
<b>Customer Information</b> Company: CTEH Report To: Cheryl Bishop, Kyle Lawrence, Eric Collins, Andrew Hunsalt, Tim McMillin, Markie Blackman Email: cheryl.bishop@montrose-env.com, kyle.lawrence@montrose-env.com, eric.collins@montrose-env.com, andrew.hunsalt@montrose-env.com, tim.mcmillin@montrose-env.com, markie.blackman@montrose-env.com Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: [Redacted] Global ID: [Redacted]		<b>Project Information</b> Name: PROJ-054017 Bishop Loss of Containment Number: [Redacted] P.O. #: [Redacted] Address: Galton, CO Site Name: [Redacted] Global ID: [Redacted]		<b>Analysis Request</b> Sample Type: G = Grab of Discrete W = Water S = Soil/Solid P = Product T = Tissue WP = Waste X = Other Matrix: A = Air DW = Drinking Water SD = Sediment WW = Wastewater			
<b>Sample Information</b> Sample ID: 1-GAC08131064-1C05085 Sampling Date: 5/13/2025 Sampling Time (24 hr): 14:37 S Sample Type: G Pres.: 0 Cont. No.: 3 Cont. Size: 4 oz Initials: PA		<b>Test Instructions / Comments</b> VOCs 8260B Table 915					
2-GAC08131064-1C05086 3-GAC08131064-1C05088 4-GAC08131064-1C05016 5-GAC08131064-1C05017 6-GAC08131064-1C05018 7-GAC08131064-1C05011		PA					
8 9 10		PA					
<b>Signature</b> Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]		<b>Print Name</b> Preilly Hunsalt Sydney Grayhead		<b>Company / Title</b> CTEH EntHalpy		<b>Date / Time</b> 05/13/25 1800 5/14/25 0730	

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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

ESE0445

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
Lab No:		Page: 4 of 4		Standard:		3 Day: 1 Day: ASAP	
<b>ENTHALPY ANALYTICAL</b> Matrix: A - Air S - Soil/Solid W - Water DW - Drinking Water P - Product O - Oil SD - Sediment T - Tissue WP - Wipe WW - Wastewater X - Other				Sample Type: Composite G - Grab or Discrete B - Blank O - Other			
<b>ENTHALPY ANALYTICAL - Denver</b> 1775 W. Elk Place, Denver, CO 80211 Phone 303-433-1322				Simple Receipt Temp and Notes: C - Preservatives: 0 = none 1 = Na <sub>2</sub> O <sub>2</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = H <sub>2</sub> O <sub>2</sub> 6 = Other			
CUSTOMER INFORMATION				PROJECT INFORMATION			
Company:	CTEH	Name:	PROJ-054017 Bishop Loss of Containment	Analysis Request			
Report To:	Operations Kyle Lawrence, Eric Cline, Andrew Henshaw, Tim McMillen, Madeline Blankman	Number:		Test Instructions / Comments			
Email:	henshaw@cteh.com, blankman@cteh.com, andrew@cteh.com	P.O. #:					
Address:	5120 Northshore Dr, North Little Rock, AR 72118	Address:	Gallatin, CO				
Phone:		Site Name:					
Phone:		Global ID:					
Billing Instruction: ctehap@montrose-env.com							
Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Str.
1 GAC085131064 - LCIS012	5/13/2025	14:20 S	G	0	3	4 oz	BPD
2 GAC085131064 - LCIS013	5/13/2025	14:35 S	G	0	3	4 oz	BPD
3 GAC085131064 - LCIS014	5/13/2025	14:45 S	G	0	3	4 oz	DC
4 GAC085131064 - LCIS015	5/13/2025	14:35 S	G	0	3	4 oz	DC
5 GAC085131064 - LCIS016	5/13/2025	7:00 X	B	2	2	40 ml	BPD
6 GAC085131064 - LCIS017	5/13/2025	7:00 X	B	2	2	40 ml	DC
7							
8							
9							
10							
Signature				Print Name			
Relinquished By: Brett Bynon				Montrose			
Received By: Gnu				Sydney Craighead			
Relinquished By:				Date / Time			
Received By:				5-13-25/1800			
Relinquished By:				5/14/25 07:30			
Received By:							
Relinquished By:							
Received By:							

Origins Laboratory

*Jen Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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# 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: CSE0445

Client: CTEH

Client Project ID: Proj 050417

Checklist Completed by: smc/smc

Shipped Via: FD

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

Date/time completed: 5/14/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply):

☒ Soil/Solid

☒ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 4 / 15 °C

Thermometer ID: T-007

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 5/14/25

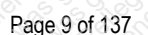
Origins Laboratory

[Signature]

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

GACO0513T064-1CRT006

5/8/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-01 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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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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

GACO0513T064-1CRT006

5/8/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-01 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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	"	"	"	"	"	U
Carbon disulfide	ND		5.00	"	"	"	"	"	U
Carbon tetrachloride	ND		1.00	"	"	"	"	"	U
Chlorobenzene	ND		1.00	"	"	"	"	"	U
Chloroethane	ND		1.00	"	"	"	"	"	U

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT006

5/8/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-01 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
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
sec-Butylbenzene	ND		1.00	"	"	"	"	"	U
Styrene	ND		1.00	"	"	"	"	"	U
tert-Butylbenzene	ND		1.00	"	"	"	"	"	U
Tetrachloroethene	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

GACO0513T064-1CRT006

5/8/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-01 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
o-Xylene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	103 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %			70-130		"	"	"	

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

GACO0513T064-1CRS009

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-02 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.52		0.0997	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.262	mg/kg	1	B5E1437	05/14/2025	06/02/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	1470		25.0	mg/kg	1	B5E1430	05/14/2025	05/14/2025	
Residual Range Organics (C28-C40)	110		100	"	"	"	"	"	
Surrogate: o-Terphenyl	132 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1423	05/14/2025	05/14/2025	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	108 %			70-130		"	"	"	

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

GACO0513T064-1CRS009

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0445-02 (Soil)  
Origins Laboratory

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	97.0 %			70-130		B5E1423	05/14/2025	05/14/2025	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	10.7	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025	
Magnesium	3.77	0.823	"	"	"	"	"	
Sodium	8.24	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	0.007	0.002	mg/kg	1	B5E1446	05/14/2025	05/14/2025	
2-Methylnaphthalene	0.008	0.002	"	"	"	"	"	
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	0.022	0.020	"	"	"	"	"	
Benzo (a) anthracene	0.006	0.005	"	"	"	"	"	
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	0.065	0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U
Fluorene	0.210	0.020	"	"	"	"	"	

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS009

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-02 (Soil)**  
**Origins Laboratory**

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

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B5E1446	05/14/2025	05/14/2025	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	0.047	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	97.8 %	60-130	"	"	"
Surrogate: Anthracene-d10	85.9 %	60-130	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	7.96	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	3.06	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.43	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

Arsenic	3.66	0.253	mg/kg	10	B5E1442	05/14/2025	05/15/2025
Barium	ND	71.7	"	"	"	"	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

GACO0513T064-1CRS009

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0445-02 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

Cadmium	ND	0.332	mg/kg	10	B5E1442	05/14/2025	05/15/2025	U
Copper	ND	40.2	"	"	"	"	"	U
Lead	24.3	12.2	"	"	"	"	"	U
Nickel	ND	22.7	"	"	"	"	"	U
Selenium	0.285	0.227	"	"	"	"	"	U
Silver	ND	0.699	"	"	"	"	"	U
Zinc	ND	323	"	"	"	"	"	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

GACO0513T064-1CRS010

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-03 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.28		0.100	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.250	mg/kg	1	B5E1437	05/14/2025	06/02/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	26.9		25.0	mg/kg	1	B5E1430	05/14/2025	05/15/2025	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	116 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1423	05/14/2025	05/14/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	

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

GACO0513T064-1CRS010

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-03 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	97.1 %		70-130		B5E1423	05/14/2025	05/14/2025	
Surrogate: 4-Bromofluorobenzene	100 %		70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	10.1	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025	
Magnesium	3.70	0.823	"	"	"	"	"	
Sodium	1.76	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1446	05/14/2025	05/14/2025	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

GACO0513T064-1CRS010

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-03 (Soil)**  
**Origins Laboratory**

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

Fluorene	ND	0.020	mg/kg	1	B5E1446	05/14/2025	05/14/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.1 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	106 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	109 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	7.80	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	0.670	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.11	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

Arsenic	4.89	0.264	mg/kg	10	B5E1442	05/14/2025	05/15/2025
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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

**GACO0513T064-1CRS010**

**5/13/2025 2:35:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-03 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Barium	76.9	74.5	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Cadmium	ND	0.345	"	"	"	"	"	U
Copper	ND	41.8	"	"	"	"	"	U
Lead	23.6	12.7	"	"	"	"	"	
Nickel	ND	23.6	"	"	"	"	"	U
Selenium	0.478	0.236	"	"	"	"	"	
Silver	ND	0.727	"	"	"	"	"	U
Zinc	ND	336	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRC010

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-04 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.39		0.100	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.253	mg/kg	1	B5E1437	05/14/2025	06/02/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	61.6		25.0	mg/kg	1	B5E1430	05/14/2025	05/15/2025	
Residual Range Organics (C28-C40)128			100	"	"	"	"	"	
Surrogate: o-Terphenyl	124 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1423	05/14/2025	05/14/2025	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	105 %			70-130		"	"	"	

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

GACO0513T064-1CRC010

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-04 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	97.1 %		70-130		B5E1423	05/14/2025	05/14/2025	
Surrogate: 4-Bromofluorobenzene	99.8 %		70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	13.3	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025	
Magnesium	4.94	0.823	"	"	"	"	"	
Sodium	2.28	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1446	05/14/2025	05/14/2025	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

GACO0513T064-1CRC010

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-04 (Soil)**  
**Origins Laboratory**

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

Fluorene	ND	0.020	mg/kg	1	B5E1446	05/14/2025	05/14/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.5 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	106 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	108 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	7.87	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	0.757	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.63	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

Arsenic	5.28	0.264	mg/kg	10	B5E1442	05/14/2025	05/15/2025
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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

GACO0513T064-1CRC010

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-04 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Barium	ND	74.7	mg/kg	10	B5E1442	05/14/2025	05/15/2025	U
Cadmium	ND	0.346	"	"	"	"	"	U
Copper	ND	41.9	"	"	"	"	"	U
Lead	ND	12.8	"	"	"	"	"	U
Nickel	ND	23.7	"	"	"	"	"	U
Selenium	0.413	0.237	"	"	"	"	"	U
Silver	ND	0.729	"	"	"	"	"	U
Zinc	ND	337	"	"	"	"	"	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

GACO0513T064-1CRS011

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-05 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.97		0.0999	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.258	mg/kg	1	B5E1437	05/14/2025	06/02/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	25.7		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	103 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/15/2025	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	116 %			70-130		"	"	"	

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

GACO0513T064-1CRS011

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-05 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	96.7 %		70-130		B5E1421	05/14/2025	05/15/2025	
Surrogate: 4-Bromofluorobenzene	106 %		70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	18.6	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025	
Magnesium	5.24	0.823	"	"	"	"	"	
Sodium	1.58	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/14/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.008	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

GACO0513T064-1CRS011

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-05 (Soil)**  
**Origins Laboratory**

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

Fluorene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/14/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	104 %	60-130	"	"	"
Surrogate: Anthracene-d10	87.2 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.0 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.21	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	0.459	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.98	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

Arsenic	3.89	0.270	mg/kg	10	B5E1442	05/14/2025	05/15/2025
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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

GACO0513T064-1CRS011

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-05 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Barium	79.9	76.3	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Cadmium	ND	0.353	"	"	"	"	"	U
Copper	ND	42.8	"	"	"	"	"	U
Lead	ND	13.0	"	"	"	"	"	U
Nickel	ND	24.2	"	"	"	"	"	U
Selenium	0.371	0.242	"	"	"	"	"	
Silver	ND	0.744	"	"	"	"	"	U
Zinc	ND	344	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS001

5/13/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-06 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.561		0.0993	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.245	mg/kg	1	B5E1437	05/14/2025	06/02/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	111 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS001

5/13/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-06 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	81.5 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	98.1 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	3.94	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025
Magnesium	1.07	0.823	"	"	"	"	"
Sodium	1.19	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/14/2025	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

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS001

5/13/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-06 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/14/2025	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	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	98.7 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.19	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	0.752	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.788	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS001

5/13/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-06 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	4.93	0.276	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	ND	78.1	"	"	"	"	"	U
Cadmium	ND	0.362	"	"	"	"	"	U
Copper	ND	43.8	"	"	"	"	"	U
Lead	ND	13.3	"	"	"	"	"	U
Nickel	ND	24.8	"	"	"	"	"	U
Selenium	0.511	0.248	"	"	"	"	"	
Silver	ND	0.762	"	"	"	"	"	U
Zinc	ND	352	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS002

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-07 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.413		0.100	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.239	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	107 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

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

GACO0513T064-1CRS002

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-07 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	81.6 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	100 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.5 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	2.16	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/14/2025	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

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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

GACO0513T064-1CRS002

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-07 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/14/2025	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	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	93.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.02	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	0.199	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.379	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

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

GACO0513T064-1CRS002

5/13/2025 2:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0445-07 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	5.57	0.257	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	95.5	72.7	"	"	"	"	"	
Cadmium	ND	0.337	"	"	"	"	"	U
Copper	ND	40.8	"	"	"	"	"	U
Lead	ND	12.4	"	"	"	"	"	U
Nickel	ND	23.1	"	"	"	"	"	U
Selenium	0.330	0.231	"	"	"	"	"	
Silver	ND	0.709	"	"	"	"	"	U
Zinc	ND	328	"	"	"	"	"	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

GACO0513T064-1CRS003

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-08 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.799		0.100	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.244	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	110 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

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

GACO0513T064-1CRS003

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-08 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	88.3 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	98.3 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.0 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	3.78	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025
Magnesium	1.68	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/14/2025	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

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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

GACO0513T064-1CRS003

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-08 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/14/2025	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	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	89.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.9 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.21	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	0.142	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.695	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS003

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-08 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	7.42	0.249	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	88.7	70.3	"	"	"	"	"	
Cadmium	ND	0.326	"	"	"	"	"	U
Copper	ND	39.5	"	"	"	"	"	U
Lead	12.3	12.0	"	"	"	"	"	
Nickel	ND	22.3	"	"	"	"	"	U
Selenium	0.507	0.223	"	"	"	"	"	
Silver	ND	0.686	"	"	"	"	"	U
Zinc	ND	317	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS019

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-09 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.674		0.0999	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.253	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	108 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS019

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-09 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	82.2 %		70-130		B5E1421	05/14/2025	05/14/2025	
Surrogate: Toluene-d8	96.0 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	ND	0.499	meq/L	10	[CALC]	05/14/2025	05/15/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.97	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	0.003	0.002	mg/kg	1	B5E1448	05/14/2025	05/14/2025	
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

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS019

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-09 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/14/2025	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	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	98.1 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	7.65	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	3.85	0.0100	SAR	1	B5E1408	05/14/2025	05/15/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.269	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

Origins Laboratory

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS019

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-09 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.94	0.275	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	ND	77.9	"	"	"	"	"	U
Cadmium	ND	0.361	"	"	"	"	"	U
Copper	ND	43.7	"	"	"	"	"	U
Lead	ND	13.3	"	"	"	"	"	U
Nickel	ND	24.7	"	"	"	"	"	U
Selenium	0.394	0.247	"	"	"	"	"	
Silver	ND	0.760	"	"	"	"	"	U
Zinc	ND	351	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS020

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-10 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.216		0.0999	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.259	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	101 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS020

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-10 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	81.5 %			70-130		B5E1421	05/14/2025	05/14/2025	
Surrogate: Toluene-d8	98.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	0.836		0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.21		0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS020

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-10 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.5 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.3 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.31	pH Units	1	B5E1419	05/14/2025	05/15/2025
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**SAR by 20B Saturated Paste**

SAR	3.14	0.0100	SAR	1	B5E1408	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.380	0.00500	mmhos/cm	1	B5E1419	05/14/2025	05/15/2025
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**Table 915 metals by EPA 6020B**

Origins Laboratory

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS020

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-10 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	3.36	0.249	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	73.3	70.4	"	"	"	"	"	
Cadmium	ND	0.326	"	"	"	"	"	U
Copper	ND	39.5	"	"	"	"	"	U
Lead	ND	12.0	"	"	"	"	"	U
Nickel	ND	22.3	"	"	"	"	"	U
Selenium	ND	0.223	"	"	"	"	"	U
Silver	ND	0.686	"	"	"	"	"	U
Zinc	ND	317	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-11 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-11 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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	"	"	"	"	"	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

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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

GACO0513T064-1CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-11 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
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
sec-Butylbenzene	ND		1.00	"	"	"	"	"	U
Styrene	ND		1.00	"	"	"	"	"	U
tert-Butylbenzene	ND		1.00	"	"	"	"	"	U
Tetrachloroethene	ND		1.00	"	"	"	"	"	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

GACO0513T064-1CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-11 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
o-Xylene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			70-130		"	"	"	

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS005

5/13/2025 2:37:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-12 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.595		0.0997	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.244	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	103 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS005

5/13/2025 2:37:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-12 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	80.7 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	98.4 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	1.30	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.488	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.031	0.005	"	"	"	"	"	
Benzo (a) pyrene	0.044	0.020	"	"	"	"	"	
Benzo (b) fluoranthene	0.065	0.020	"	"	"	"	"	
Benzo (k) fluoranthene	0.031	0.020	"	"	"	"	"	
Chrysene	0.046	0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	0.075	0.020	"	"	"	"	"	

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS005

5/13/2025 2:37:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-12 (Soil)**  
**Origins Laboratory**

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

Fluorene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
Indeno (1,2,3-cd) pyrene	0.044	0.020	"	"	"	"	"	
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	0.057	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	101 %	60-130	"	"	"	"	"	
Surrogate: Anthracene-d10	92.0 %	60-130	"	"	"	"	"	
Surrogate: Pyrene-d10	97.0 %	60-130	"	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.25	pH Units	1	B5E1462	05/14/2025	05/16/2025	
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**SAR by 20B Saturated Paste**

SAR	0.570	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.257	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025	
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**Table 915 metals by EPA 6020B**

Arsenic	3.33	0.254	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS005

5/13/2025 2:37:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-12 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Barium	ND	71.9	mg/kg	10	B5E1442	05/14/2025	05/15/2025	U
Cadmium	ND	0.333	"	"	"	"	"	U
Copper	ND	40.4	"	"	"	"	"	U
Lead	30.1	12.3	"	"	"	"	"	U
Nickel	ND	22.8	"	"	"	"	"	U
Selenium	0.239	0.228	"	"	"	"	"	U
Silver	ND	0.702	"	"	"	"	"	U
Zinc	ND	325	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS006

5/13/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-13 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.451		0.0998	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.252	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	110 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/15/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS006

5/13/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-13 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	115 %		70-130	B5E1421	05/14/2025	05/15/2025
Surrogate: Toluene-d8	96.3 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	1.96	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.14	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.033	0.005	"	"	"	"	"	
Benzo (a) pyrene	0.050	0.020	"	"	"	"	"	
Benzo (b) fluoranthene	0.086	0.020	"	"	"	"	"	
Benzo (k) fluoranthene	0.038	0.020	"	"	"	"	"	
Chrysene	0.054	0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	0.082	0.020	"	"	"	"	"	

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS006

5/13/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-13 (Soil)**  
**Origins Laboratory**

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

Fluorene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
Indeno (1,2,3-cd) pyrene	0.055	0.020	"	"	"	"	"	
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	0.061	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.2 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.9 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.30	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	1.09	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.342	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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**Table 915 metals by EPA 6020B**

Arsenic	4.31	0.246	mg/kg	10	B5E1442	05/14/2025	05/15/2025
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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

GACO0513T064-1CRS006

5/13/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0445-13 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	84.5	69.7	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Cadmium	ND	0.323	"	"	"	"	"	U
Copper	ND	39.1	"	"	"	"	"	U
Lead	ND	11.9	"	"	"	"	"	U
Nickel	ND	22.1	"	"	"	"	"	U
Selenium	0.390	0.221	"	"	"	"	"	
Silver	ND	0.680	"	"	"	"	"	U
Zinc	ND	314	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS008

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-14 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.333		0.100	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.242	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	120 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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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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

GACO0513T064-1CRS008

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-14 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	86.3 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	96.6 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	2.49	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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

GACO0513T064-1CRS008

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-14 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	93.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.21	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	0.271	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.360	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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**Table 915 metals by EPA 6020B**

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

GACO0513T064-1CRS008

5/13/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-14 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	6.89	0.284	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	ND	80.3	"	"	"	"	"	U
Cadmium	ND	0.372	"	"	"	"	"	U
Copper	ND	45.0	"	"	"	"	"	U
Lead	14.2	13.7	"	"	"	"	"	
Nickel	ND	25.4	"	"	"	"	"	U
Selenium	0.354	0.254	"	"	"	"	"	
Silver	ND	0.783	"	"	"	"	"	U
Zinc	ND	362	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS016

5/13/2025 3:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-15 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.193		0.0999	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.251	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	104 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS016

5/13/2025 3:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-15 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	87.9 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	98.5 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	2.10	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.939	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS016

5/13/2025 3:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-15 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	95.0 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	6.99	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	0.838	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.443	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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**Table 915 metals by EPA 6020B**

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS016

5/13/2025 3:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0445-15 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.29	0.248	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	ND	70.1	"	"	"	"	"	U
Cadmium	ND	0.325	"	"	"	"	"	U
Copper	ND	39.3	"	"	"	"	"	U
Lead	ND	12.0	"	"	"	"	"	U
Nickel	ND	22.2	"	"	"	"	"	U
Selenium	0.358	0.222	"	"	"	"	"	
Silver	ND	0.684	"	"	"	"	"	U
Zinc	ND	316	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS017

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-16 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.270		0.0999	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.260	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	105 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS017

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-16 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	86.6 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	97.7 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	1.88	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.73	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS017

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-16 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.35	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	2.68	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.506	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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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

GACO0513T064-1CRS017

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-16 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	5.08	0.264	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	ND	74.7	"	"	"	"	"	U
Cadmium	ND	0.346	"	"	"	"	"	U
Copper	ND	41.9	"	"	"	"	"	U
Lead	ND	12.8	"	"	"	"	"	U
Nickel	ND	23.7	"	"	"	"	"	U
Selenium	0.328	0.237	"	"	"	"	"	
Silver	ND	0.729	"	"	"	"	"	U
Zinc	ND	337	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS018

5/13/2025 2:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-17 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.260		0.0994	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.246	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	117 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS018

5/13/2025 2:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-17 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	89.9 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	97.7 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	4.42	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.38	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.060	0.005	"	"	"	"	"	
Benzo (a) pyrene	0.088	0.020	"	"	"	"	"	
Benzo (b) fluoranthene	0.125	0.020	"	"	"	"	"	
Benzo (k) fluoranthene	0.058	0.020	"	"	"	"	"	
Chrysene	0.087	0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	0.126	0.020	"	"	"	"	"	

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS018

5/13/2025 2:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-17 (Soil)**  
**Origins Laboratory**

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

Fluorene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
Indeno (1,2,3-cd) pyrene	0.072	0.020	"	"	"	"	"	
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	0.093	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.7 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.13	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	0.884	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.772	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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**Table 915 metals by EPA 6020B**

Arsenic	4.42	0.279	mg/kg	10	B5E1442	05/14/2025	05/15/2025
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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS018

5/13/2025 2:47:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-17 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Barium	ND	78.9	mg/kg	10	B5E1442	05/14/2025	05/15/2025	U
Cadmium	ND	0.366	"	"	"	"	"	U
Copper	ND	44.3	"	"	"	"	"	U
Lead	ND	13.5	"	"	"	"	"	U
Nickel	ND	25.0	"	"	"	"	"	U
Selenium	ND	0.250	"	"	"	"	"	U
Silver	ND	0.770	"	"	"	"	"	U
Zinc	ND	356	"	"	"	"	"	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

GACO0513T064-1CRT011

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-18 (Water)</b> <b>Origins Laboratory</b>									
<b>VOC by EPA 8260D</b>									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT011

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-18 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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	"	"	"	"	"	U
Carbon disulfide	ND		5.00	"	"	"	"	"	U
Carbon tetrachloride	ND		1.00	"	"	"	"	"	U
Chlorobenzene	ND		1.00	"	"	"	"	"	U
Chloroethane	ND		1.00	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT011

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-18 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
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
sec-Butylbenzene	ND		1.00	"	"	"	"	"	U
Styrene	ND		1.00	"	"	"	"	"	U
tert-Butylbenzene	ND		1.00	"	"	"	"	"	U
Tetrachloroethene	ND		1.00	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT011

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-18 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
o-Xylene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %			70-130		"	"	"	
Surrogate: Toluene-d8	98.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			70-130		"	"	"	

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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS012

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-19 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.415		0.0999	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.260	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	97.0		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	114 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/15/2025	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	83.2 %			70-130		"	"	"	

Origins Laboratory

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS012

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-19 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	97.8 %		70-130		B5E1421	05/14/2025	05/15/2025	
Surrogate: 4-Bromofluorobenzene	97.9 %		70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.53	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.34	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS012

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-19 (Soil)**  
**Origins Laboratory**

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

Fluorene	0.027	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	106 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	92.9 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	93.8 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.39	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	1.39	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.351	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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**Table 915 metals by EPA 6020B**

Arsenic	8.71	0.263	mg/kg	10	B5E1442	05/14/2025	05/15/2025
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Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS012

5/13/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0445-19 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	ND	74.5	mg/kg	10	B5E1442	05/14/2025	05/15/2025	U
Cadmium	ND	0.345	"	"	"	"	"	U
Copper	ND	41.8	"	"	"	"	"	U
Lead	15.9	12.7	"	"	"	"	"	U
Nickel	ND	23.6	"	"	"	"	"	U
Selenium	0.508	0.236	"	"	"	"	"	U
Silver	ND	0.726	"	"	"	"	"	U
Zinc	ND	336	"	"	"	"	"	U

Origins Laboratory

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS013

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-20 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.281		0.0998	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.248	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	117 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/14/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS013

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-20 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	91.9 %		70-130	B5E1421	05/14/2025	05/14/2025
Surrogate: Toluene-d8	97.9 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.5 %		70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	1.49	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS013

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-20 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	89.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.1 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.03	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	0.412	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.226	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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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

GACO0513T064-1CRS013

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-20 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	34.8	0.246	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	80.9	69.6	"	"	"	"	"	
Cadmium	0.447	0.322	"	"	"	"	"	
Copper	ND	39.0	"	"	"	"	"	U
Lead	17.9	11.9	"	"	"	"	"	
Nickel	ND	22.1	"	"	"	"	"	U
Selenium	2.69	0.221	"	"	"	"	"	
Silver	ND	0.679	"	"	"	"	"	U
Zinc	ND	314	"	"	"	"	"	U

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Kyle Lawrence

Project Number: PROJ-054017

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GACO0513T064-1CRS014

5/13/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-21 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.446		0.100	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.249	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	58.4		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	107 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/15/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	88.6 %			70-130		"	"	"	

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

GACO0513T064-1CRS014

5/13/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0445-21 (Soil)  
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.5 %		70-130		B5E1421	05/14/2025	05/15/2025	
Surrogate: 4-Bromofluorobenzene	97.6 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.538	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	2.27	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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

GACO0513T064-1CRS014

5/13/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-21 (Soil)**  
**Origins Laboratory**

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

Fluorene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	103 %	60-130	"	"	"
Surrogate: Anthracene-d10	90.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.0 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.1 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.49	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	3.94	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.326	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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**Table 915 metals by EPA 6020B**

Arsenic	3.20	0.280	mg/kg	10	B5E1442	05/14/2025	05/15/2025
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Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS014

5/13/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-21 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Barium	ND	79.3	mg/kg	10	B5E1442	05/14/2025	05/15/2025	U
Cadmium	ND	0.367	"	"	"	"	"	U
Copper	ND	44.5	"	"	"	"	"	U
Lead	ND	13.5	"	"	"	"	"	U
Nickel	ND	25.1	"	"	"	"	"	U
Selenium	ND	0.251	"	"	"	"	"	U
Silver	ND	0.773	"	"	"	"	"	U
Zinc	ND	358	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS015

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0445-22 (Soil)</b> <b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.233		0.0997	mg/L	1	B5E1414	05/14/2025	05/16/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.245	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1432	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	110 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1421	05/14/2025	05/15/2025	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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS015

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-22 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	89.1 %			70-130		B5E1421	05/14/2025	05/15/2025	
Surrogate: Toluene-d8	99.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.2 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.82	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.803	0.435	"	"	"	"	"	

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

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1448	05/14/2025	05/15/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.006	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

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS015

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-22 (Soil)**  
**Origins Laboratory**

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

Fluoranthene	ND	0.020	mg/kg	1	B5E1448	05/14/2025	05/15/2025	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	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	88.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.9 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

**pH in Soil by 9045D**

pH	8.15	pH Units	1	B5E1462	05/14/2025	05/16/2025
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**SAR by 20B Saturated Paste**

SAR	0.763	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.393	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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**Table 915 metals by EPA 6020B**

Origins Laboratory

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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRS015

5/13/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0445-22 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	4.74	0.275	mg/kg	10	B5E1442	05/14/2025	05/15/2025	
Barium	ND	77.8	"	"	"	"	"	U
Cadmium	ND	0.360	"	"	"	"	"	U
Copper	ND	43.6	"	"	"	"	"	U
Lead	14.1	13.3	"	"	"	"	"	
Nickel	ND	24.7	"	"	"	"	"	U
Selenium	ND	0.247	"	"	"	"	"	U
Silver	ND	0.759	"	"	"	"	"	U
Zinc	ND	351	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT009

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-23 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT009

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-23 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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	"	"	"	"	"	U
Carbon disulfide	ND		5.00	"	"	"	"	"	U
Carbon tetrachloride	ND		1.00	"	"	"	"	"	U
Chlorobenzene	ND		1.00	"	"	"	"	"	U
Chloroethane	ND		1.00	"	"	"	"	"	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

GACO0513T064-1CRT009

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-23 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
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
sec-Butylbenzene	ND		1.00	"	"	"	"	"	U
Styrene	ND		1.00	"	"	"	"	"	U
tert-Butylbenzene	ND		1.00	"	"	"	"	"	U
Tetrachloroethene	ND		1.00	"	"	"	"	"	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

GACO0513T064-1CRT009

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-23 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
o-Xylene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %			70-130		"	"	"	
Surrogate: Toluene-d8	98.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			70-130		"	"	"	

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T064-1CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-24 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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

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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

GACO0513T064-1CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-24 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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	"	"	"	"	"	U
Carbon disulfide	ND		5.00	"	"	"	"	"	U
Carbon tetrachloride	ND		1.00	"	"	"	"	"	U
Chlorobenzene	ND		1.00	"	"	"	"	"	U
Chloroethane	ND		1.00	"	"	"	"	"	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

GACO0513T064-1CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-24 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
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
sec-Butylbenzene	ND		1.00	"	"	"	"	"	U
Styrene	ND		1.00	"	"	"	"	"	U
tert-Butylbenzene	ND		1.00	"	"	"	"	"	U
Tetrachloroethene	ND		1.00	"	"	"	"	"	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

GACO0513T064-1CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0445-24 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/14/2025	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
o-Xylene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %			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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E1437 - EPA 3060A										
Blank (B5E1437-BLK1)					Prepared: 05/14/2025 Analyzed: 06/02/2025					
Hexavalent Chromium	ND	0.250	mg/kg							U
LCS (B5E1437-BS1)					Prepared: 05/14/2025 Analyzed: 06/02/2025					
Hexavalent Chromium	2.35	0.250	mg/kg	2.50		93.8	80-120			
Matrix Spike (B5E1437-MS1)					Source: E5E0444-07 Prepared: 05/14/2025 Analyzed: 06/02/2025					
Hexavalent Chromium	1.21	0.238	mg/kg	2.38	ND	50.8	75-125			QM-14
Matrix Spike (B5E1437-MS2)					Source: E5E0444-07 Prepared: 05/14/2025 Analyzed: 06/02/2025					
Hexavalent Chromium	3.85	0.257	mg/kg	266	ND	1.45	75-125			QM-14
Matrix Spike Dup (B5E1437-MSD1)					Source: E5E0444-07 Prepared: 05/14/2025 Analyzed: 06/02/2025					
Hexavalent Chromium	1.22	0.258	mg/kg	2.58	ND	47.3	75-125	0.815	200	
Post Spike (B5E1437-PS1)					Source: E5E0444-07 Prepared: 05/14/2025 Analyzed: 06/02/2025					
Hexavalent Chromium	56.1		ug/L	50.0	0.692	111	80-120			
Batch B5E1438 - EPA 3060A										
Blank (B5E1438-BLK1)					Prepared: 05/14/2025 Analyzed: 06/10/2025					
Hexavalent Chromium	ND	0.250	mg/kg							U
LCS (B5E1438-BS1)					Prepared: 05/14/2025 Analyzed: 06/08/2025					
Hexavalent Chromium	2.40	0.250	mg/kg	2.50		95.8	80-120			
Matrix Spike (B5E1438-MS1)					Source: E5E0446-02 Prepared: 05/14/2025 Analyzed: 06/08/2025					
Hexavalent Chromium	2.33	0.249	mg/kg	2.49	0.137	88.3	75-125			

Origins Laboratory

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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
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**Batch B5E1438 - EPA 3060A****Matrix Spike (B5E1438-MS2)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 06/08/2025

Hexavalent Chromium

247

25.8

mg/kg

295

ND

83.7

75-125

**Matrix Spike Dup (B5E1438-MSD1)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 06/08/2025

Hexavalent Chromium

2.28

0.243

mg/kg

2.43

0.137

88.2

75-125

2.42

200

**Post Spike (B5E1438-PS1)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 06/08/2025

Hexavalent Chromium

53.7

ug/L

50.0

2.75

102

80-120

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

**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 B5E1408 - Saturated Paste Metals****Blank (B5E1408-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/15/2025

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

**Duplicate (B5E1408-DUP1)****Source: E5E0444-07**

Prepared: 05/14/2025 Analyzed: 05/15/2025

Calcium PPM	48.2	10.0	mg/L		46.4			3.76	50	
SAR	ND	0.0100	SAR		0.506				200	U
Magnesium PPM	18.5	10.0	mg/L		18.2			1.69	50	
Sodium PPM	17.1	10.0	"		16.0			6.10	50	

**Batch B5E1414 - DTPA Sorbitol Preparation****Blank (B5E1414-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/16/2025

Boron	ND	0.100	mg/L							U
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**Duplicate (B5E1414-DUP1)****Source: E5E0445-02**

Prepared: 05/14/2025 Analyzed: 05/16/2025

Boron	1.46	0.0995	mg/L		1.52			4.02	50	
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**Batch B5E1456 - Saturated Paste Metals****Blank (B5E1456-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/16/2025

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

**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 B5E1456 - Saturated Paste Metals**

**Duplicate (B5E1456-DUP1)**

**Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 05/16/2025

SAR	ND	0.0100	SAR	0.167				200	U
Calcium PPM	31.5	10.0	mg/L	26.5				17.0	50
Magnesium PPM	4.31	10.0	"	3.63				17.1	50
Sodium PPM	4.01	10.0	"	3.46				14.7	50

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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

**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 B5E1446 - EPA 3580****Blank (B5E1446-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/15/2025

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		100	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	220		"	200		112	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	60-130			

**LCS (B5E1446-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1-Methylnaphthalene	0.175	0.002	mg/kg	0.200		87.5	70-130
2-Methylnaphthalene	0.173	0.002	"	0.200		86.7	70-130
Acenaphthene	0.186	0.020	"	0.200		92.9	70-130
Anthracene	0.181	0.020	"	0.200		90.7	70-130

Origins Laboratory

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CTEH

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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 B5E1446 - EPA 3580****LCS (B5E1446-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Benzo (a) anthracene	0.206	0.005	mg/kg	0.200		103	70-130
Benzo (a) pyrene	0.210	0.020	"	0.200		105	70-130
Benzo (b) fluoranthene	0.200	0.020	"	0.200		100	70-130
Benzo (g,h,i) perylene	0.201	0.020	"	0.200		101	70-130
Benzo (k) fluoranthene	0.199	0.020	"	0.200		99.6	70-130
Chrysene	0.199	0.020	"	0.200		99.5	70-130
Dibenz (a,h) anthracene	0.199	0.020	"	0.200		99.7	70-130
Fluoranthene	0.206	0.020	"	0.200		103	70-130
Fluorene	0.178	0.020	"	0.200		89.1	70-130
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200		106	70-130
Naphthalene	0.177	0.002	"	0.200		88.5	70-130
Phenanthrene	0.190	0.020	"	0.200		94.8	70-130
Pyrene	0.208	0.020	"	0.200		104	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		99.8	60-130
Surrogate: Anthracene-d10	200		"	200		101	60-130
Surrogate: Pyrene-d10	220		"	200		108	60-130
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130

**Matrix Spike (B5E1446-MS1)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	0.001	96.4	70-130
2-Methylnaphthalene	0.192	0.002	"	0.200	0.001	95.5	70-130
Acenaphthene	0.212	0.020	"	0.200	ND	106	70-130
Anthracene	0.198	0.020	"	0.200	0.0005	98.7	70-130
Benzo (a) anthracene	0.226	0.005	"	0.200	0.003	112	70-130
Benzo (a) pyrene	0.231	0.020	"	0.200	0.001	115	70-130
Benzo (b) fluoranthene	0.223	0.020	"	0.200	0.002	111	70-130
Benzo (g,h,i) perylene	0.222	0.020	"	0.200	0.002	110	70-130

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

**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 B5E1446 - EPA 3580****Matrix Spike (B5E1446-MS1)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Benzo (k) fluoranthene	0.225	0.020	mg/kg	0.200	ND	112	70-130			
Chrysene	0.208	0.020	"	0.200	0.002	103	70-130			
Dibenz (a,h) anthracene	0.218	0.020	"	0.200	0.0004	109	70-130			
Fluoranthene	0.229	0.020	"	0.200	0.001	114	70-130			
Fluorene	0.196	0.020	"	0.200	0.0002	98.1	70-130			
Indeno (1,2,3-cd) pyrene	0.228	0.020	"	0.200	0.001	113	70-130			
Naphthalene	0.200	0.002	"	0.200	ND	100	70-130			
Phenanthrene	0.208	0.020	"	0.200	ND	104	70-130			
Pyrene	0.233	0.020	"	0.200	0.001	116	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		99.8	60-130			
Surrogate: Pyrene-d10	220		"	200		109	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	60-130			

**Matrix Spike Dup (B5E1446-MSD1)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1-Methylnaphthalene	0.193	0.002	mg/kg	0.200	0.001	95.9	70-130	0.477	20	
2-Methylnaphthalene	0.188	0.002	"	0.200	0.001	93.1	70-130	2.51	20	
Acenaphthene	0.206	0.020	"	0.200	ND	103	70-130	2.89	20	
Anthracene	0.195	0.020	"	0.200	0.0005	97.1	70-130	1.66	20	
Benzo (a) anthracene	0.229	0.005	"	0.200	0.003	113	70-130	1.39	20	
Benzo (a) pyrene	0.229	0.020	"	0.200	0.001	114	70-130	0.819	20	
Benzo (b) fluoranthene	0.221	0.020	"	0.200	0.002	110	70-130	1.06	20	
Benzo (g,h,i) perylene	0.212	0.020	"	0.200	0.002	105	70-130	4.36	20	
Benzo (k) fluoranthene	0.220	0.020	"	0.200	ND	110	70-130	2.10	20	
Chrysene	0.214	0.020	"	0.200	0.002	106	70-130	2.94	20	
Dibenz (a,h) anthracene	0.216	0.020	"	0.200	0.0004	108	70-130	1.29	20	
Fluoranthene	0.223	0.020	"	0.200	0.001	111	70-130	2.68	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

**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 B5E1446 - EPA 3580****Matrix Spike Dup (B5E1446-MSD1)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Fluorene	0.192	0.020	mg/kg	0.200	0.0002	95.8	70-130	2.37	20	
Indeno (1,2,3-cd) pyrene	0.225	0.020	"	0.200	0.001	112	70-130	1.30	20	
Naphthalene	0.198	0.002	"	0.200	ND	98.8	70-130	1.38	20	
Phenanthrene	0.206	0.020	"	0.200	ND	103	70-130	1.30	20	
Pyrene	0.226	0.020	"	0.200	0.001	112	70-130	2.91	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	220		"	200		109	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		109	60-130			

**Batch B5E1448 - EPA 3580****Blank (B5E1448-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

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

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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

**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 B5E1448 - EPA 3580****Blank (B5E1448-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Naphthalene	ND	0.002	mg/kg							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		88.7	60-130			
Surrogate: Pyrene-d10	190		"	200		93.6	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

**LCS (B5E1448-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1-Methylnaphthalene	0.183	0.002	mg/kg	0.200		91.4	70-130			
2-Methylnaphthalene	0.180	0.002	"	0.200		90.2	70-130			
Acenaphthene	0.195	0.020	"	0.200		97.5	70-130			
Anthracene	0.184	0.020	"	0.200		92.1	70-130			
Benzo (a) anthracene	0.222	0.005	"	0.200		111	70-130			
Benzo (a) pyrene	0.213	0.020	"	0.200		107	70-130			
Benzo (b) fluoranthene	0.220	0.020	"	0.200		110	70-130			
Benzo (g,h,i) perylene	0.192	0.020	"	0.200		96.0	70-130			
Benzo (k) fluoranthene	0.205	0.020	"	0.200		102	70-130			
Chrysene	0.193	0.020	"	0.200		96.5	70-130			
Dibenz (a,h) anthracene	0.230	0.020	"	0.200		115	70-130			
Fluoranthene	0.200	0.020	"	0.200		100	70-130			
Fluorene	0.191	0.020	"	0.200		95.7	70-130			
Indeno (1,2,3-cd) pyrene	0.203	0.020	"	0.200		101	70-130			
Naphthalene	0.193	0.002	"	0.200		96.4	70-130			
Phenanthrene	0.191	0.020	"	0.200		95.7	70-130			
Pyrene	0.195	0.020	"	0.200		97.3	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			

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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

**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 B5E1448 - EPA 3580****LCS (B5E1448-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Surrogate: Anthracene-d10	190		ug/kg	200		93.4	60-130
Surrogate: Pyrene-d10	190		"	200		95.1	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130

**Matrix Spike (B5E1448-MS1)****Source: E5E0445-05**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1-Methylnaphthalene	0.183	0.002	mg/kg	0.200	0.001	90.6	70-130
2-Methylnaphthalene	0.181	0.002	"	0.200	0.001	89.9	70-130
Acenaphthene	0.196	0.020	"	0.200	0.001	97.3	70-130
Anthracene	0.202	0.020	"	0.200	0.001	100	70-130
Benzo (a) anthracene	0.239	0.005	"	0.200	0.008	115	70-130
Benzo (a) pyrene	0.217	0.020	"	0.200	0.010	103	70-130
Benzo (b) fluoranthene	0.221	0.020	"	0.200	0.011	105	70-130
Benzo (g,h,i) perylene	0.190	0.020	"	0.200	0.008	91.1	70-130
Benzo (k) fluoranthene	0.194	0.020	"	0.200	0.006	94.1	70-130
Chrysene	0.223	0.020	"	0.200	0.016	103	70-130
Dibenz (a,h) anthracene	0.227	0.020	"	0.200	0.002	113	70-130
Fluoranthene	0.213	0.020	"	0.200	0.015	99.1	70-130
Fluorene	0.193	0.020	"	0.200	0.0009	96.0	70-130
Indeno (1,2,3-cd) pyrene	0.209	0.020	"	0.200	0.008	100	70-130
Naphthalene	0.191	0.002	"	0.200	ND	95.6	70-130
Phenanthrene	0.202	0.020	"	0.200	0.010	96.0	70-130
Pyrene	0.207	0.020	"	0.200	0.014	96.4	70-130

Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130
Surrogate: Anthracene-d10	190		"	200		92.9	60-130
Surrogate: Pyrene-d10	190		"	200		96.1	60-130
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130

**Matrix Spike Dup (B5E1448-MSD1)****Source: E5E0445-05**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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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
<b>Batch B5E1448 - EPA 3580</b>										
1-Methylnaphthalene	0.181	0.002	mg/kg	0.200	0.001	89.8	70-130	0.901	20	
2-Methylnaphthalene	0.181	0.002	"	0.200	0.001	89.8	70-130	0.182	20	
Acenaphthene	0.198	0.020	"	0.200	0.001	98.5	70-130	1.13	20	
Anthracene	0.186	0.020	"	0.200	0.001	92.4	70-130	8.13	20	
Benzo (a) anthracene	0.253	0.005	"	0.200	0.008	122	70-130	5.88	20	
Benzo (a) pyrene	0.229	0.020	"	0.200	0.010	109	70-130	5.35	20	
Benzo (b) fluoranthene	0.214	0.020	"	0.200	0.011	101	70-130	2.90	20	
Benzo (g,h,i) perylene	0.191	0.020	"	0.200	0.008	91.3	70-130	0.214	20	
Benzo (k) fluoranthene	0.217	0.020	"	0.200	0.006	106	70-130	11.4	20	
Chrysene	0.218	0.020	"	0.200	0.016	101	70-130	2.26	20	
Dibenz (a,h) anthracene	0.233	0.020	"	0.200	0.002	115	70-130	2.40	20	
Fluoranthene	0.216	0.020	"	0.200	0.015	101	70-130	1.40	20	
Fluorene	0.191	0.020	"	0.200	0.0009	95.1	70-130	0.909	20	
Indeno (1,2,3-cd) pyrene	0.216	0.020	"	0.200	0.008	104	70-130	3.31	20	
Naphthalene	0.195	0.002	"	0.200	ND	97.5	70-130	1.92	20	
Phenanthrene	0.207	0.020	"	0.200	0.010	98.4	70-130	2.33	20	
Pyrene	0.212	0.020	"	0.200	0.014	98.9	70-130	2.32	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		95.4	60-130			
Surrogate: Pyrene-d10	180		"	200		92.4	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

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

**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 B5E1430 - EPA 3550B****Blank (B5E1430-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		81.8	50-150			

**LCS (B5E1430-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Diesel (C10-C28)	981	50.0	mg/kg	1000		98.1	70-130			
Residual Range Organics (C28-C40)	1040	200	"	1000		104	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

**Matrix Spike (B5E1430-MS1)****Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	1110	200	"	1000	132	97.3	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

**Matrix Spike Dup (B5E1430-MSD1)****Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130	0.997	35	
Residual Range Organics (C28-C40)	1130	200	"	1000	132	99.8	70-130	2.21	35	
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

**Batch B5E1432 - EPA 3550B****Blank (B5E1432-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	27		"	24.9		109	50-150			

**LCS (B5E1432-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Diesel (C10-C28)	1020	50.0	mg/kg	1000		102	70-130			
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Jen Pellegrini For Jordan A. Bynon, Project Manager





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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
<b>Batch B5E1432 - EPA 3550B</b>										
<b>LCS (B5E1432-BS1)</b>					Prepared: 05/14/2025 Analyzed: 05/14/2025					
Residual Range Organics (C28-C40)	923	200	mg/kg	1000		92.3	70-130			
Surrogate: o-Terphenyl	59		"	49.8		118	50-150			
<b>Matrix Spike (B5E1432-MS1)</b>					Source: E5E0444-07 Prepared: 05/14/2025 Analyzed: 05/14/2025					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130			
Surrogate: o-Terphenyl	57		"	49.8		115	50-150			
<b>Matrix Spike Dup (B5E1432-MSD1)</b>					Source: E5E0444-07 Prepared: 05/14/2025 Analyzed: 05/14/2025					
Diesel (C10-C28)	1110	50.0	mg/kg	1000	ND	111	70-130	5.15	35	
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130	6.84	35	
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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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
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**Batch B5E1442 - EPA 3050B****Blank (B5E1442-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/15/2025

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

**LCS (B5E1442-BS1)**

Prepared: 05/14/2025 Analyzed: 05/15/2025

Arsenic	5.27	0.290	mg/kg	5.00		105	80-120			
Barium	505	82.0	"	500		101	80-120			
Cadmium	5.38	0.380	"	5.00		108	80-120			
Copper	54.3	46.0	"	50.0		109	80-120			
Lead	5.11	14.0	"	5.00		102	80-120			U
Nickel	5.39	26.0	"	5.00		108	80-120			U
Selenium	5.52	0.260	"	5.00		110	80-120			
Silver	5.33	0.800	"	5.00		107	80-120			
Zinc	51.7	370	"	50.0		103	80-120			U

**Matrix Spike (B5E1442-MS1)****Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/15/2025

Arsenic	8.23	0.265	mg/kg	4.56	3.07	113	75-125			
Barium	518	74.9	"	456	61.2	100	75-125			
Cadmium	5.13	0.347	"	4.56	0.193	108	75-125			
Copper	58.6	42.0	"	45.6	7.86	111	75-125			
Lead	11.7	12.8	"	4.56	6.47	114	75-125			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
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**Batch B5E1442 - EPA 3050B**

**Matrix Spike (B5E1442-MS1)**

**Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/15/2025

Nickel	11.8	23.7	mg/kg	4.56	6.30	120	75-125			U
Selenium	5.41	0.237	"	4.56	0.259	113	75-125			
Silver	4.81	0.730	"	4.56	0.0262	105	75-125			
Zinc	98.6	338	"	45.6	47.6	112	75-125			U

**Matrix Spike Dup (B5E1442-MSD1)**

**Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/15/2025

Arsenic	8.98	0.279	mg/kg	4.81	3.07	123	75-125	8.69	20	
Barium	550	79.0	"	481	61.2	101	75-125	5.93	20	
Cadmium	5.30	0.366	"	4.81	0.193	106	75-125	3.09	20	
Copper	61.1	44.3	"	48.1	7.86	111	75-125	4.17	20	
Lead	11.7	13.5	"	4.81	6.47	108	75-125	0.0569	20	U
Nickel	11.6	25.0	"	4.81	6.30	110	75-125	1.74	20	U
Selenium	5.21	0.250	"	4.81	0.259	103	75-125	3.84	20	
Silver	5.02	0.770	"	4.81	0.0262	104	75-125	4.24	20	
Zinc	103	356	"	48.1	47.6	115	75-125	4.25	20	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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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
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**Batch B5E1419 - Saturated Paste pH/EC****Blank (B5E1419-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/15/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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**Duplicate (B5E1419-DUP1)****Source: E5E0444-07**

Prepared: 05/14/2025 Analyzed: 05/15/2025

Specific Conductance (EC)	0.450	0.00500	mmhos/cm		0.442			1.70	25	
pH	8.25		pH Units		8.36			1.32	25	

**Batch B5E1462 - Saturated Paste pH/EC****Blank (B5E1462-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/16/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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**Duplicate (B5E1462-DUP1)****Source: E5E0446-02**

Prepared: 05/14/2025 Analyzed: 05/16/2025

Specific Conductance (EC)	0.339	0.00500	mmhos/cm		0.329			2.97	25	
pH	8.25		pH Units		8.15			1.22	25	

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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 B5E1421 - EPA 5030 (soil)****Blank (B5E1421-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

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	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.6	70-130			

**LCS (B5E1421-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100		109	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.0920	0.00200	"	0.100		92.0	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.0843	0.00380	"	0.100		84.3	70-130			
Toluene	0.0911	0.00200	"	0.100		91.1	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.211	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		79.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.5	70-130			

**Matrix Spike (B5E1421-MS1)****Source: E5E0444-07**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	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 B5E1421 - EPA 5030 (soil)****Matrix Spike (B5E1421-MS1)****Source: E5E0444-07**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,3,5-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130			
Benzene	0.0867	0.00200	"	0.100	ND	86.7	70-130			
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Naphthalene	0.0622	0.00380	"	0.100	0.00118	61.0	70-130			QM-07
Toluene	0.0903	0.00200	"	0.100	ND	90.3	70-130			
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130			
m,p-Xylene	0.211	0.00400	"	0.200	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.093		"	0.125		74.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.2	70-130			

**Matrix Spike Dup (B5E1421-MSD1)****Source: E5E0444-07**

Prepared: 05/14/2025 Analyzed: 05/15/2025

1,2,4-Trimethylbenzene	0.0607	0.00200	mg/kg	0.100	ND	60.7	70-130	53.8	20	QM-07
1,3,5-Trimethylbenzene	0.0638	0.00200	"	0.100	ND	63.8	70-130	48.9	20	QM-07
Benzene	0.0748	0.00200	"	0.100	ND	74.8	70-130	14.8	20	
Ethylbenzene	0.0711	0.00200	"	0.100	ND	71.1	70-130	37.9	20	QR-02
Naphthalene	0.0467	0.00380	"	0.100	0.00118	45.5	70-130	28.4	20	QM-07
Toluene	0.0704	0.00200	"	0.100	ND	70.4	70-130	24.7	20	QR-02
o-Xylene	0.0701	0.00200	"	0.100	ND	70.1	70-130	40.4	20	QR-02
m,p-Xylene	0.135	0.00400	"	0.200	ND	67.4	70-130	43.9	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

**Batch B5E1423 - EPA 5030 (soil)****Blank (B5E1423-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
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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 B5E1423 - EPA 5030 (soil)****Blank (B5E1423-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,3,5-Trimethylbenzene	ND	0.00200	mg/kg							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	0.12		"	0.125		99.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		100	70-130			

**LCS (B5E1423-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Naphthalene	0.105	0.00380	"	0.100		105	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.222	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

**Matrix Spike (B5E1423-MS1)****Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,2,4-Trimethylbenzene	0.0984	0.00200	mg/kg	0.100	ND	98.4	70-130			
1,3,5-Trimethylbenzene	0.0990	0.00200	"	0.100	ND	99.0	70-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager





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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 B5E1423 - EPA 5030 (soil)**

**Matrix Spike (B5E1423-MS1)**

**Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Benzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
Ethylbenzene	0.0988	0.00200	"	0.100	ND	98.8	70-130			
Naphthalene	0.0815	0.00380	"	0.100	ND	81.5	70-130			
Toluene	0.0981	0.00200	"	0.100	ND	98.1	70-130			
o-Xylene	0.0983	0.00200	"	0.100	ND	98.3	70-130			
m,p-Xylene	0.202	0.00400	"	0.200	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		108	70-130			

**Matrix Spike Dup (B5E1423-MSD1)**

**Source: E5E0436-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,2,4-Trimethylbenzene	0.0776	0.00200	mg/kg	0.100	ND	77.6	70-130	23.7	20	QR-02
1,3,5-Trimethylbenzene	0.0776	0.00200	"	0.100	ND	77.6	70-130	24.2	20	QR-02
Benzene	0.0961	0.00200	"	0.100	ND	96.1	70-130	5.38	20	
Ethylbenzene	0.0873	0.00200	"	0.100	ND	87.3	70-130	12.3	20	
Naphthalene	0.0660	0.00380	"	0.100	ND	66.0	70-130	21.1	20	QM-07
Toluene	0.0896	0.00200	"	0.100	ND	89.6	70-130	9.06	20	
o-Xylene	0.0866	0.00200	"	0.100	ND	86.6	70-130	12.7	20	
m,p-Xylene	0.176	0.00400	"	0.200	ND	88.0	70-130	13.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

**Batch B5E1427 - EPA 5030B (Water)**

**Blank (B5E1427-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,1,1,2-Tetrachloroethane	ND	1.00	ug/L							U
1,1,1-Trichloroethane	ND	1.00	"							U
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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 B5E1427 - EPA 5030B (Water)****Blank (B5E1427-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

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

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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 B5E1427 - EPA 5030B (Water)****Blank (B5E1427-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

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
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
sec-Butylbenzene	ND	1.00	"							U

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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 B5E1427 - EPA 5030B (Water)****Blank (B5E1427-BLK1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Styrene	ND	1.00	ug/L							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
o-Xylene	ND	1.00	"							U
m,p-Xylene	ND	2.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		106	70-130			

**LCS (B5E1427-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,1,1,2-Tetrachloroethane	48.9	1.00	ug/L	50.0		97.8	70-130
1,1,1-Trichloroethane	43.8	1.00	"	50.0		87.6	70-130
1,1,2,2-Tetrachloroethane	49.2	1.00	"	50.0		98.4	70-130
1,1,2-Trichloroethane	46.3	1.00	"	50.0		92.6	70-130
1,1-Dichloroethane	44.0	1.00	"	50.0		88.1	70-130
1,1-Dichloroethene	39.2	1.00	"	50.0		78.5	70-130
1,1-Dichloropropene	45.0	1.00	"	50.0		90.0	70-130
1,2,3-Trichlorobenzene	51.4	5.00	"	50.0		103	70-130
1,2,3-Trichloropropane	47.3	5.00	"	50.0		94.5	70-130
1,2,4-Trichlorobenzene	50.7	5.00	"	50.0		101	70-130
1,2,4-Trimethylbenzene	49.6	1.00	"	50.0		99.1	70-130

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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 B5E1427 - EPA 5030B (Water)****LCS (B5E1427-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,2-Dibromo-3-chloropropane	46.5	5.00	ug/L	50.0		93.0	70-130			
1,2-Dibromoethane (EDB)	46.3	1.50	"	50.0		92.6	70-130			
1,2-Dichlorobenzene	46.5	1.00	"	50.0		93.0	70-130			
1,2-Dichloroethane	47.6	1.00	"	50.0		95.1	70-130			
1,2-Dichloropropane	44.2	1.00	"	50.0		88.3	70-130			
1,3,5-Trimethylbenzene	49.6	1.00	"	50.0		99.1	70-130			
1,3-Dichlorobenzene	47.4	1.00	"	50.0		94.8	70-130			
1,3-Dichloropropane	45.7	1.00	"	50.0		91.3	70-130			
1,4-Dichlorobenzene	46.4	1.00	"	50.0		92.8	70-130			
2,2-Dichloropropane	42.8	1.00	"	50.0		85.7	70-130			
2-Butanone	217	5.00	"	250		86.9	70-130			
2-Chlorotoluene	48.3	1.00	"	50.0		96.6	70-130			
2-Hexanone	226	6.00	"	250		90.4	70-130			
4-Chlorotoluene	48.7	1.00	"	50.0		97.3	70-130			
4-Isopropyltoluene	49.0	1.00	"	50.0		97.9	70-130			
4-Methyl-2-pentanone	248	5.00	"	250		99.2	70-130			
Acetone	203	8.00	"	250		81.0	70-130			
Benzene	45.2	1.00	"	50.0		90.4	70-130			
Bromobenzene	46.6	1.00	"	50.0		93.2	70-130			
Bromochloromethane	44.5	1.00	"	50.0		89.0	70-130			
Bromodichloromethane	47.4	1.00	"	50.0		94.8	70-130			
Bromoform	48.0	1.00	"	50.0		96.1	70-130			
Bromomethane	41.9	1.00	"	50.0		83.8	70-130			
Carbon disulfide	35.7	5.00	"	50.0		71.5	70-130			
Carbon tetrachloride	44.3	1.00	"	50.0		88.6	70-130			
Chlorobenzene	44.9	1.00	"	50.0		89.7	70-130			

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Kyle Lawrence

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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 B5E1427 - EPA 5030B (Water)****LCS (B5E1427-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Chloroethane	42.2	1.00	ug/L	50.0		84.4	70-130			
Chloroform	48.2	1.00	"	50.0		96.3	70-130			
Chloromethane	38.1	1.00	"	50.0		76.1	70-130			
cis-1,2-Dichloroethene	44.9	1.00	"	50.0		89.9	70-130			
cis-1,3-Dichloropropene	45.0	1.00	"	50.0		90.1	70-130			
Dibromochloromethane	48.1	1.00	"	50.0		96.1	70-130			
Dibromomethane	44.6	1.00	"	50.0		89.2	70-130			
Ethylbenzene	47.2	1.00	"	50.0		94.4	70-130			
Hexachlorobutadiene	49.6	5.00	"	50.0		99.1	70-130			
Iodomethane	38.3	10.0	"	50.0		76.5	70-130			
Isopropylbenzene	48.5	1.00	"	50.0		97.0	70-130			
Methylene Chloride	42.7	15.0	"	50.0		85.3	70-130			
Methyl tert-Butyl Ether	37.6	1.00	"	50.0		75.1	70-130			
Naphthalene	50.1	4.00	"	50.0		100	70-130			
n-Butylbenzene	50.5	1.00	"	50.0		101	70-130			
n-Propylbenzene	49.0	1.00	"	50.0		98.0	70-130			
sec-Butylbenzene	49.0	1.00	"	50.0		98.0	70-130			
Styrene	47.4	1.00	"	50.0		94.9	70-130			
tert-Butylbenzene	48.9	1.00	"	50.0		97.9	70-130			
Tetrachloroethene	46.0	1.00	"	50.0		92.0	70-130			
Toluene	45.6	1.00	"	50.0		91.3	70-130			
trans-1,2-Dichloroethene	42.8	1.00	"	50.0		85.5	70-130			
trans-1,3-Dichloropropene	44.8	1.00	"	50.0		89.5	70-130			
Trichloroethene	45.9	1.00	"	50.0		91.8	70-130			
Trichlorofluoromethane	45.4	1.00	"	50.0		90.7	70-130			
Vinyl chloride	40.7	1.00	"	50.0		81.4	70-130			

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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 B5E1427 - EPA 5030B (Water)****LCS (B5E1427-BS1)**

Prepared: 05/14/2025 Analyzed: 05/14/2025

o-Xylene	48.3	1.00	ug/L	50.0		96.6	70-130			
m,p-Xylene	94.2	2.00	"	100		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

**Matrix Spike (B5E1427-MS1)****Source: E5E0435-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,1,1,2-Tetrachloroethane	47.0	1.00	ug/L	50.0	ND	93.9	70-130			
1,1,1-Trichloroethane	40.7	1.00	"	50.0	ND	81.4	70-130			
1,1,2,2-Tetrachloroethane	46.9	1.00	"	50.0	ND	93.8	70-130			
1,1,2-Trichloroethane	44.8	1.00	"	50.0	ND	89.5	70-130			
1,1-Dichloroethane	39.9	1.00	"	50.0	ND	79.8	70-130			
1,1-Dichloroethene	34.6	1.00	"	50.0	ND	69.1	70-130			QM-07
1,1-Dichloropropene	41.3	1.00	"	50.0	ND	82.6	70-130			
1,2,3-Trichlorobenzene	52.3	5.00	"	50.0	ND	105	70-130			
1,2,3-Trichloropropane	43.5	5.00	"	50.0	ND	86.9	70-130			
1,2,4-Trichlorobenzene	52.7	5.00	"	50.0	ND	105	70-130			
1,2,4-Trimethylbenzene	49.9	1.00	"	50.0	ND	99.9	70-130			
1,2-Dibromo-3-chloropropane	45.6	5.00	"	50.0	ND	91.2	70-130			
1,2-Dibromoethane (EDB)	44.9	1.50	"	50.0	ND	89.9	70-130			
1,2-Dichlorobenzene	46.6	1.00	"	50.0	ND	93.1	70-130			
1,2-Dichloroethane	45.7	1.00	"	50.0	ND	91.4	70-130			
1,2-Dichloropropane	42.1	1.00	"	50.0	ND	84.3	70-130			
1,3,5-Trimethylbenzene	49.9	1.00	"	50.0	ND	99.9	70-130			
1,3-Dichlorobenzene	48.7	1.00	"	50.0	ND	97.4	70-130			
1,3-Dichloropropane	44.6	1.00	"	50.0	ND	89.2	70-130			
1,4-Dichlorobenzene	47.1	1.00	"	50.0	ND	94.2	70-130			

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 B5E1427 - EPA 5030B (Water)****Matrix Spike (B5E1427-MS1)****Source: E5E0435-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

2,2-Dichloropropane	39.7	1.00	ug/L	50.0	ND	79.4	70-130			
2-Butanone	210	5.00	"	250	ND	83.8	70-130			
2-Chlorotoluene	48.2	1.00	"	50.0	ND	96.5	70-130			
2-Hexanone	216	6.00	"	250	ND	86.2	70-130			
4-Chlorotoluene	49.5	1.00	"	50.0	ND	99.1	70-130			
4-Isopropyltoluene	50.2	1.00	"	50.0	ND	100	70-130			
4-Methyl-2-pentanone	224	5.00	"	250	ND	89.5	70-130			
Acetone	204	8.00	"	250	ND	81.6	70-130			
Benzene	42.3	1.00	"	50.0	ND	84.5	70-130			
Bromobenzene	46.8	1.00	"	50.0	ND	93.6	70-130			
Bromochloromethane	41.6	1.00	"	50.0	ND	83.3	70-130			
Bromodichloromethane	45.8	1.00	"	50.0	ND	91.5	70-130			
Bromoform	47.4	1.00	"	50.0	ND	94.9	70-130			
Bromomethane	40.6	1.00	"	50.0	ND	81.3	70-130			
Carbon disulfide	30.4	5.00	"	50.0	ND	60.7	70-130			QM-07
Carbon tetrachloride	43.0	1.00	"	50.0	ND	86.1	70-130			
Chlorobenzene	44.8	1.00	"	50.0	ND	89.6	70-130			
Chloroethane	40.7	1.00	"	50.0	ND	81.5	70-130			
Chloroform	43.1	1.00	"	50.0	ND	86.1	70-130			
Chloromethane	36.7	1.00	"	50.0	ND	73.4	70-130			
cis-1,2-Dichloroethene	41.6	1.00	"	50.0	ND	83.3	70-130			
cis-1,3-Dichloropropene	42.9	1.00	"	50.0	ND	85.8	70-130			
Dibromochloromethane	46.9	1.00	"	50.0	ND	93.8	70-130			
Dibromomethane	42.9	1.00	"	50.0	ND	85.8	70-130			
Ethylbenzene	46.7	1.00	"	50.0	ND	93.4	70-130			
Hexachlorobutadiene	53.7	5.00	"	50.0	ND	107	70-130			

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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 B5E1427 - EPA 5030B (Water)****Matrix Spike (B5E1427-MS1)****Source: E5E0435-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Iodomethane	33.9	10.0	ug/L	50.0	ND	67.8	70-130			QM-07
Isopropylbenzene	47.9	1.00	"	50.0	ND	95.7	70-130			
Methylene Chloride	38.6	15.0	"	50.0	ND	77.3	70-130			
Methyl tert-Butyl Ether	33.1	1.00	"	50.0	ND	66.2	70-130			QM-07
Naphthalene	49.4	4.00	"	50.0	ND	98.8	70-130			
n-Butylbenzene	52.7	1.00	"	50.0	ND	105	70-130			
n-Propylbenzene	49.1	1.00	"	50.0	ND	98.3	70-130			
sec-Butylbenzene	50.0	1.00	"	50.0	ND	99.9	70-130			
Styrene	46.9	1.00	"	50.0	ND	93.8	70-130			
tert-Butylbenzene	49.2	1.00	"	50.0	ND	98.4	70-130			
Tetrachloroethene	44.6	1.00	"	50.0	ND	89.2	70-130			
Toluene	43.7	1.00	"	50.0	ND	87.3	70-130			
trans-1,2-Dichloroethene	38.8	1.00	"	50.0	ND	77.5	70-130			
trans-1,3-Dichloropropene	44.4	1.00	"	50.0	ND	88.7	70-130			
Trichloroethene	43.6	1.00	"	50.0	ND	87.2	70-130			
Trichlorofluoromethane	43.8	1.00	"	50.0	ND	87.5	70-130			
Vinyl chloride	39.4	1.00	"	50.0	ND	78.8	70-130			
o-Xylene	47.4	1.00	"	50.0	ND	94.8	70-130			
m,p-Xylene	93.4	2.00	"	100	ND	93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

**Matrix Spike Dup (B5E1427-MSD1)****Source: E5E0435-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,1,1,2-Tetrachloroethane	45.7	1.00	ug/L	50.0	ND	91.5	70-130	2.65	20	
1,1,1-Trichloroethane	38.9	1.00	"	50.0	ND	77.8	70-130	4.57	20	
1,1,2,2-Tetrachloroethane	45.6	1.00	"	50.0	ND	91.2	70-130	2.85	20	

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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 B5E1427 - EPA 5030B (Water)****Matrix Spike Dup (B5E1427-MSD1)****Source: E5E0435-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

1,1,2-Trichloroethane	42.8	1.00	ug/L	50.0	ND	85.6	70-130	4.41	20	
1,1-Dichloroethane	38.3	1.00	"	50.0	ND	76.6	70-130	4.14	20	
1,1-Dichloroethene	33.6	1.00	"	50.0	ND	67.3	70-130	2.70	20	QM-07
1,1-Dichloropropene	39.1	1.00	"	50.0	ND	78.3	70-130	5.37	20	
1,2,3-Trichlorobenzene	47.5	5.00	"	50.0	ND	95.0	70-130	9.68	20	
1,2,3-Trichloropropane	43.4	5.00	"	50.0	ND	86.7	70-130	0.253	20	
1,2,4-Trichlorobenzene	47.4	5.00	"	50.0	ND	94.8	70-130	10.5	20	
1,2,4-Trimethylbenzene	47.4	1.00	"	50.0	ND	94.8	70-130	5.24	20	
1,2-Dibromo-3-chloropropane	43.5	5.00	"	50.0	ND	87.0	70-130	4.62	20	
1,2-Dibromoethane (EDB)	43.0	1.50	"	50.0	ND	86.1	70-130	4.27	20	
1,2-Dichlorobenzene	43.9	1.00	"	50.0	ND	87.8	70-130	5.91	20	
1,2-Dichloroethane	43.3	1.00	"	50.0	ND	86.6	70-130	5.44	20	
1,2-Dichloropropane	39.9	1.00	"	50.0	ND	79.7	70-130	5.56	20	
1,3,5-Trimethylbenzene	47.2	1.00	"	50.0	ND	94.5	70-130	5.58	20	
1,3-Dichlorobenzene	45.4	1.00	"	50.0	ND	90.7	70-130	7.10	20	
1,3-Dichloropropane	42.3	1.00	"	50.0	ND	84.6	70-130	5.34	20	
1,4-Dichlorobenzene	43.9	1.00	"	50.0	ND	87.9	70-130	6.94	20	
2,2-Dichloropropane	38.1	1.00	"	50.0	ND	76.1	70-130	4.17	20	
2-Butanone	198	5.00	"	250	ND	79.2	70-130	5.62	20	
2-Chlorotoluene	45.7	1.00	"	50.0	ND	91.3	70-130	5.45	20	
2-Hexanone	203	6.00	"	250	ND	81.2	70-130	6.05	20	
4-Chlorotoluene	46.2	1.00	"	50.0	ND	92.3	70-130	7.04	20	
4-Isopropyltoluene	46.9	1.00	"	50.0	ND	93.8	70-130	6.82	20	
4-Methyl-2-pentanone	215	5.00	"	250	ND	86.0	70-130	4.02	20	
Acetone	199	8.00	"	250	ND	79.8	70-130	2.23	20	
Benzene	39.5	1.00	"	50.0	ND	79.0	70-130	6.78	20	

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Kyle Lawrence

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**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5E1427 - EPA 5030B (Water)****Matrix Spike Dup (B5E1427-MSD1)****Source: E5E0435-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

Bromobenzene	44.7	1.00	ug/L	50.0	ND	89.4	70-130	4.66	20	
Bromochloromethane	39.6	1.00	"	50.0	ND	79.2	70-130	5.10	20	
Bromodichloromethane	43.1	1.00	"	50.0	ND	86.2	70-130	6.03	20	
Bromoform	45.7	1.00	"	50.0	ND	91.4	70-130	3.71	20	
Bromomethane	41.3	1.00	"	50.0	ND	82.5	70-130	1.49	20	
Carbon disulfide	29.3	5.00	"	50.0	ND	58.6	70-130	3.45	20	QM-07
Carbon tetrachloride	40.9	1.00	"	50.0	ND	81.8	70-130	5.10	20	
Chlorobenzene	41.6	1.00	"	50.0	ND	83.3	70-130	7.29	20	
Chloroethane	40.6	1.00	"	50.0	ND	81.3	70-130	0.221	20	
Chloroform	41.0	1.00	"	50.0	ND	81.9	70-130	5.00	20	
Chloromethane	37.2	1.00	"	50.0	ND	74.4	70-130	1.41	20	
cis-1,2-Dichloroethene	39.9	1.00	"	50.0	ND	79.8	70-130	4.32	20	
cis-1,3-Dichloropropene	40.3	1.00	"	50.0	ND	80.6	70-130	6.30	20	
Dibromochloromethane	44.7	1.00	"	50.0	ND	89.4	70-130	4.82	20	
Dibromomethane	41.5	1.00	"	50.0	ND	82.9	70-130	3.39	20	
Ethylbenzene	44.6	1.00	"	50.0	ND	89.2	70-130	4.53	20	
Hexachlorobutadiene	47.8	5.00	"	50.0	ND	95.5	70-130	11.7	20	
Iodomethane	33.1	10.0	"	50.0	ND	66.1	70-130	2.51	20	QM-07
Isopropylbenzene	45.9	1.00	"	50.0	ND	91.7	70-130	4.27	20	
Methylene Chloride	37.4	15.0	"	50.0	ND	74.9	70-130	3.16	20	
Methyl tert-Butyl Ether	32.5	1.00	"	50.0	ND	64.9	70-130	1.86	20	QM-07
Naphthalene	45.4	4.00	"	50.0	ND	90.8	70-130	8.46	20	
n-Butylbenzene	47.8	1.00	"	50.0	ND	95.7	70-130	9.70	20	
n-Propylbenzene	45.9	1.00	"	50.0	ND	91.8	70-130	6.75	20	
sec-Butylbenzene	47.1	1.00	"	50.0	ND	94.2	70-130	5.96	20	
Styrene	45.1	1.00	"	50.0	ND	90.1	70-130	3.98	20	

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**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5E1427 - EPA 5030B (Water)****Matrix Spike Dup (B5E1427-MSD1)****Source: E5E0435-01**

Prepared: 05/14/2025 Analyzed: 05/14/2025

tert-Butylbenzene	46.6	1.00	ug/L	50.0	ND	93.2	70-130	5.51	20	
Tetrachloroethene	41.6	1.00	"	50.0	ND	83.1	70-130	7.06	20	
Toluene	41.2	1.00	"	50.0	ND	82.4	70-130	5.75	20	
trans-1,2-Dichloroethene	37.4	1.00	"	50.0	ND	74.8	70-130	3.49	20	
trans-1,3-Dichloropropene	41.5	1.00	"	50.0	ND	83.0	70-130	6.66	20	
Trichloroethene	40.9	1.00	"	50.0	ND	81.8	70-130	6.32	20	
Trichlorofluoromethane	43.6	1.00	"	50.0	ND	87.3	70-130	0.275	20	
Vinyl chloride	40.0	1.00	"	50.0	ND	80.1	70-130	1.61	20	
o-Xylene	45.4	1.00	"	50.0	ND	90.9	70-130	4.26	20	
m,p-Xylene	88.9	2.00	"	100	ND	88.9	70-130	4.97	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		105	70-130			

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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-14 The pre-digestion matrix spike recoveries for Cr6 were less than the acceptance range min. The soil sample reduced Cr6 and no measurable native Cr6 existed in the unspiked sample. Batch QC deemed acceptable based on passing LCS recovery.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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