



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 E5E0446-01.

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
GACO0513T068CRS012	E5E0446-01	Soil	May 13, 2025 9:30	05/14/2025 07:30
GACO0513T068CRS013	E5E0446-02	Soil	May 13, 2025 9:40	05/14/2025 07:30
GACO0513T068CRS014	E5E0446-03	Soil	May 13, 2025 10:10	05/14/2025 07:30
GACO0513T068CRS015	E5E0446-04	Soil	May 13, 2025 10:20	05/14/2025 07:30
GACO0513T068CRT005	E5E0446-05	Water	May 13, 2025 7:00	05/14/2025 07:30
GACO0513T068CRS016	E5E0446-06	Soil	May 13, 2025 9:50	05/14/2025 07:30
GACO0513T068CRS017	E5E0446-07	Soil	May 13, 2025 9:45	05/14/2025 07:30
GACO0513T068CRS018	E5E0446-08	Soil	May 13, 2025 9:30	05/14/2025 07:30
GACO0513T068CRC018	E5E0446-09	Soil	May 13, 2025 9:30	05/14/2025 07:30
GACO0513T068CRS019	E5E0446-10	Soil	May 13, 2025 9:20	05/14/2025 07:30
GACO0513T068CRT007	E5E0446-11	Water	May 13, 2025 7:00	05/14/2025 07:30
GACO0513T068CRS009	E5E0446-12	Soil	May 13, 2025 9:40	05/14/2025 07:30
GACO0513T068CRS010	E5E0446-13	Soil	May 13, 2025 9:30	05/14/2025 07:30
GACO0513T068CRS011	E5E0446-14	Soil	May 13, 2025 9:45	05/14/2025 07:30

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GACO0513T068CRS020	E5E0446-15	Soil	May 13, 2025 9:40	05/14/2025 07:30
GACO0513T068CRC020	E5E0446-16	Soil	May 13, 2025 9:40	05/14/2025 07:30
GACO0513T068CRT002	E5E0446-17	Water	May 13, 2025 7:00	05/14/2025 07:30
GACO0513T068CRS001	E5E0446-18	Soil	May 13, 2025 9:00	05/14/2025 07:30
GACO0513T068CRS002	E5E0446-19	Soil	May 13, 2025 9:15	05/14/2025 07:30
GACO0513T068CRS003	E5E0446-20	Soil	May 13, 2025 9:30	05/14/2025 07:30
GACO0513T068CRS004	E5E0446-21	Soil	May 13, 2025 9:40	05/14/2025 07:30
GACO0513T068CRS005	E5E0446-22	Soil	May 13, 2025 9:55	05/14/2025 07:30
GACO0513T068CRS006	E5E0446-23	Soil	May 13, 2025 10:10	05/14/2025 07:30
GACO0513T068CRS007	E5E0446-24	Soil	May 13, 2025 10:20	05/14/2025 07:30
GACO0513T068CRS008	E5E0446-25	Soil	May 13, 2025 10:30	05/14/2025 07:30
GACO0513T068CRC008	E5E0446-26	Soil	May 13, 2025 10:30	05/14/2025 07:30
GACO0513T068CRT010	E5E0446-27	Water	May 13, 2025 7:00	05/14/2025 07:30

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager

ORIGINS LABORATORY

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

ESE0446

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)		ASAP	
Lab No:		Page: 1 of 4		Standard	5 Day	1 Day	Custom TAT
ENTHALPY ANALYTICAL - Denver 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 VW = Wastewater X = Other		Sample Type: Composite G = Grab or Discrete B = Blank O = Other		Sample Receipt Temp and Notes: C (Preservatives): 0 = none 1 = H ₂ O ₂ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other	
CUSTOMER INFORMATION Company: CTEH Report To: Cheryl Bishop, Vice President, Eric Collins, Andrew Hensault, Tim McMillin, Malachy Blackman Email: cheryl.bishop@montrose-envy.com, andrew.hensault@montrose-envy.com, tim.mcmillin@montrose-envy.com Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: Site Name: Global ID:				PROJECT INFORMATION Name: PROJ-054017 Bishop Loss of Contaminants Number: P.O. #: Address: Galeton, CO Site Name: Global ID:			
Billing Information: ctehap@montrose-envy.com Sampled By: PATRICK ROHRBAUGH				Analysis Request Test Instructions / Comments:			
Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size
1 GAC005131068CRS012	5/13/2025	9:30 S	G	G	0	3	4 oz PR
2 GAC005131068CRS013	5/13/2025	9:40 S	G	G	0	3	4 oz PR
3 GAC005131068CRS013MS	5/13/2025	9:40 S	G	G	0	3	4 oz PR
4 GAC005131068CRS013MSD	5/13/2025	9:40 S	G	G	0	3	4 oz PR
5 GAC005131068CRS014	5/13/2025	10:10 S	G	G	0	3	4 oz PR
6 GAC005131068CRS015	5/13/2025	10:20 S	G	G	0	3	4 oz PR
7 GAC005131068CRS015	5/13/2025	7:00 X	B	2	2	40 mL PR	X
8							
9							
10							
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				Print Name Relinquished By: PATRICK ROHRBAUGH Received By: Sydney Craighead Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]			
Company / Title Relinquished By: PATRICK ROHRBAUGH MONTROSE ENVY Received By: Sydney Craighead Enthalpy				Date / Time Relinquished By: 5-13-25 / 1800 Received By: 5/14/25 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

ESE0446

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Lab No: 2 of 4		Standard	2 Day	5 Day	1 Day	3 Day	ASAP
Enthalpy Analytical - Denver 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 = Waste WW = Wastewater X = Other		Sample Type: Composite G = Gas or Discrete B = Blank O = Other			
CUSTOMER INFORMATION Company: CTEH Report To: Cheryl Bishop, Kyle Lawrence, Eric Collins, Andrew Heault, Tam M. Mullin, Markie Blackman Email: cheryl.bishop@cteh.com, kyle.lawrence@cteh.com, eric.collins@cteh.com, andrew.heault@cteh.com, tam.mullin@cteh.com, markie.blackman@cteh.com Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: Site Name: Global ID:		PROJECT INFORMATION Name: PROJ-054017 Bishop Loss of Containment Number: P.O. #:		Analysis Request C/P Residuals: 0 = none 1 = Na SO ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
Billing Instructions: cteha@montrose-env.com		Sampled By: <i>R. H. Bishop</i>		Test Instructions / Comments			
Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Type	Pres.	Cont. No.	Cont. Site
1. GAC0813106805916	5/13/2025	9:58 S	G	0	3	4 02	BPD X
2. GAC0813106805917	5/13/2025	9:45 S	G	0	3	4 02	BPD X
3. GAC0813106805918	5/13/2025	9:38 S	G	0	3	4 02	BPD X
4. GAC0813106805919	5/13/2025	9:30 S	G	0	3	4 02	BPD X
5. GAC0813106805919	5/13/2025	9:20 S	G	0	3	4 02	BPD X
6. GAC0813106805919	5/13/2025	7:00 X	B	2	2	40 ml	BPD X
7.							
8.							
9.							
10.							
Relinquished By: <i>Bob He</i>		Signature:		Print Name:		Company / Title:	
Received By: <i>gmc</i>		<i>Bob He</i>		<i>Bob He</i>		Date / Time: 5-13-25 / 1800	
Relinquished By:		<i>Sydney Carls</i>		<i>Sydney Carls</i>		Date / Time: 5/14/25 0730	
Received By:							
Relinquished By:							
Received By:							

Origins Laboratory

Jen Pellegrini

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

ESE0446

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Lab No:		Page: 3 of 4		Standard:	5 Day:	1 Day:	3 Day:
Sample Type:		Sample Receipt Temp and Notes:		ASAP			
ENTHALPY ANALYTICAL Enthalpy Analytical - Denver 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		C/P Residues: 0 = none 1 = Na ₂ S ₂ O ₈ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
CUSTOMER INFORMATION Company: CTEH Report To: Cheryl Hilgert, ESE, Lawrence, Eric, Cullen, Andrew Email: hilgert@cteh.com Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: Site Name: Global ID:		PROJECT INFORMATION Name: PROJ-054017 Number: Biosign Loss of Containment P.O. #: Address: Galveston, CO Site Name: Global ID: Sampled By: Email: hilgert@cteh.com		Analysis Request Test Instructions / Comments:			
Sample ID 1. GAC0813106805090 2. GAC0813106805010 3. GAC0813106805011 4. GAC0813106805020 5. GAC0813106805020 6. GAC0813106805020		Sampling Date: 5/13/2025 Time (24 hr): 9:40 S Matrix: G Type: G Pres.: 0 No.: 3 Cont.: 4 Size: 0.2 RF		Table 915 VOCs 8260B			
Relinquished By: <i>Juan</i> Received By: <i>Juan</i> Relinquished By: <i>Juan</i> Received By: <i>Juan</i> Relinquished By: <i>Juan</i> Received By: <i>Juan</i>		Print Name: <i>Romeo Flores</i> Signature: <i>Romeo Flores</i> Signature: <i>Sydney Craighead</i> Signature: <i>Sydney Craighead</i> Signature: <i>Sydney Craighead</i> Signature: <i>Sydney Craighead</i>		Company / Title: CTEH Date / Time: 5/14/25 07:30			

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Project Number: PROJ-054017

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E5E0446

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)				
Lab No:	Page:	Standard:	5 Day:	3 Day:	ASAP			
1725 W. Elk Place, Denver, CO 80211	4 of 4	Sample Type:	1 Day:					
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						
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request				
Company: CTEH	Name: PROJ-054017 Bishop Loss of Containment							
Report To: Cheryl Bishop, Kyle Lawrence, Eric Carter, Andrew Hensell, Tami McMillin, Madelyn Whitman	Number:							
Email: hennell@cteh.com, whitman@cteh.com, whitman@cteh.com	P.O. #:							
Address: 5120 Northshore Dr, North Little Rock, AR 72114	Address:							
Phone:	Site Name:							
Phone:	Global ID:							
Billing Instructions: cteha@montrose-env.com	Sampled By: Matthew Bess							
Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials
1 GAC08131068C05081	5/13/2025	9:00 S	G	0	0	3	4 OZ	MB
2 GAC08131068C05082	5/13/2025	9:15 S	G	0	0	3	4 OZ	MB
3 GAC08131068C05083	5/13/2025	9:30 S	G	0	0	3	4 OZ	MB
4 GAC08131068C05084	5/13/2025	9:40 S	G	0	0	3	4 OZ	MB
5 GAC08131068C05085	5/13/2025	9:55 S	G	0	0	3	4 OZ	MB
6 GAC08131068C05086	5/13/2025	10:10 S	G	0	0	3	4 OZ	MB
7 GAC08131068C05087	5/13/2025	10:20 S	G	0	0	3	4 OZ	MB
8 GAC08131068C05088	5/13/2025	10:30 S	G	0	0	3	4 OZ	MB
9 GAC08131068C05089	5/13/2025	10:30 S	G	0	0	3	4 OZ	MB
10 GAC08131068C05090	5/13/2025	7:00 X	B	2	2	2	40 mL	MB
Signature		Print Name		Company / Title		Date / Time		
Relinquished By: <i>Matthew Bess</i>		Matthew Bess		CTEH		5-13-25 1800		
Received By: <i>gmc</i>		Sydney Grainshead		Enthalpy		5/14/25 0730		
Relinquished By:								
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: ESE0446

Client: CTEH

Client Project ID: Proj 050417

Checklist Completed by: JMM/NKM

Shipped Via: HD

(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: _____

Cooler Number/Temperature: 4 / 2.0 °C

(Describe)

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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>			
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>			
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			NC
Additional Comments (if any):				

⁽¹⁾ 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 taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) NKM

Date/Time Reviewed 05/14/25

Origins Laboratory

Jen Pellegrini

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

GACO0513T068CRS012

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-01 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	2.46		0.100	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.253	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	81.8 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRS012

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	116 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	100 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.600	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.05	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

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Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRS012

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	98.5 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	107 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"	"

pH in Soil by 9045D

pH	9.00	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.43	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.949	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

GACO0513T068CRS012

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.59	0.273	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	ND	77.2	"	"	"	"	"	U
Cadmium	ND	0.358	"	"	"	"	"	U
Copper	ND	43.3	"	"	"	"	"	U
Lead	14.6	13.2	"	"	"	"	"	
Nickel	ND	24.5	"	"	"	"	"	U
Selenium	ND	0.245	"	"	"	"	"	U
Silver	ND	0.753	"	"	"	"	"	U
Zinc	ND	348	"	"	"	"	"	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

GACO0513T068CRS013

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-02 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.251		0.0998	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.250	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	93.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS013

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-02 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	117 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	110 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.32	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	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

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

GACO0513T068CRS013

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-02 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	99.1 %	60-130	"	"	"
Surrogate: Anthracene-d10	102 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	107 %	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	0.167	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.329	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

GACO0513T068CRS013

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.64	0.281	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	ND	79.3	"	"	"	"	"	U
Cadmium	ND	0.368	"	"	"	"	"	U
Copper	ND	44.5	"	"	"	"	"	U
Lead	22.0	13.5	"	"	"	"	"	
Nickel	ND	25.2	"	"	"	"	"	U
Selenium	ND	0.252	"	"	"	"	"	U
Silver	ND	0.774	"	"	"	"	"	U
Zinc	ND	358	"	"	"	"	"	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

GACO0513T068CRS014

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-03 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	2.41		0.0995	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.246	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	84.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRS014

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-03 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	113 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	104 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.552	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.32	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1447	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

GACO0513T068CRS014

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-03 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1447	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	91.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	95.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.96	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	2.01	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.13	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

GACO0513T068CRS014

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-03 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	4.07	0.263	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	82.7	74.4	"	"	"	"	"	
Cadmium	ND	0.345	"	"	"	"	"	U
Copper	ND	41.7	"	"	"	"	"	U
Lead	ND	12.7	"	"	"	"	"	U
Nickel	ND	23.6	"	"	"	"	"	U
Selenium	ND	0.236	"	"	"	"	"	U
Silver	ND	0.726	"	"	"	"	"	U
Zinc	ND	336	"	"	"	"	"	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

GACO0513T068CRS015

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-04 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.874		0.100	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.246	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	89.9 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS015

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-04 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	114 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	103 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	110 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.58	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	B5E1447	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

GACO0513T068CRS015

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-04 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1447	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	95.1 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.27	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.324	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.749	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

GACO0513T068CRS015

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-04 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.89	0.276	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	86.6	78.0	"	"	"	"	"	
Cadmium	ND	0.362	"	"	"	"	"	U
Copper	ND	43.8	"	"	"	"	"	U
Lead	ND	13.3	"	"	"	"	"	U
Nickel	ND	24.7	"	"	"	"	"	U
Selenium	0.343	0.247	"	"	"	"	"	
Silver	ND	0.761	"	"	"	"	"	U
Zinc	ND	352	"	"	"	"	"	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

GACO0513T068CRT005

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-05 (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

GACO0513T068CRT005

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-05 (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

GACO0513T068CRT005

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-05 (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

GACO0513T068CRT005

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-05 (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	97.8 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			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

GACO0513T068CRS016

5/13/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-06 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.884		0.0996	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.239	mg/kg	1	B5E1438	05/14/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	91.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS016

5/13/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-06 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	116 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	102 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	3.43	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.28	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1447	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

GACO0513T068CRS016

5/13/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-06 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1447	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	89.5 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.20	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.147	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.849	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

GACO0513T068CRS016

5/13/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.35	0.284	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	86.5	80.3	"	"	"	"	"	
Cadmium	ND	0.372	"	"	"	"	"	U
Copper	ND	45.0	"	"	"	"	"	U
Lead	ND	13.7	"	"	"	"	"	U
Nickel	ND	25.5	"	"	"	"	"	U
Selenium	0.271	0.255	"	"	"	"	"	
Silver	ND	0.783	"	"	"	"	"	U
Zinc	ND	362	"	"	"	"	"	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

GACO0513T068CRS017

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-07 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.959		0.0999	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.239	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	78.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS017

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-07 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	110 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	104 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.7 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.91	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.15	0.823	"	"	"	"	"
Sodium	1.28	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1447	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

GACO0513T068CRS017

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-07 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1447	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	103 %	60-130	"	"	"
Surrogate: Anthracene-d10	88.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.04	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.47	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

GACO0513T068CRS017

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.46	0.275	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	ND	77.9	"	"	"	"	"	U
Cadmium	ND	0.361	"	"	"	"	"	U
Copper	ND	43.7	"	"	"	"	"	U
Lead	22.8	13.3	"	"	"	"	"	
Nickel	ND	24.7	"	"	"	"	"	U
Selenium	ND	0.247	"	"	"	"	"	U
Silver	ND	0.760	"	"	"	"	"	U
Zinc	ND	351	"	"	"	"	"	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

GACO0513T068CRS018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-08 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.15		0.100	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.243	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	89.1 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-08 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	112 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	103 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.00	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	B5E1447	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

GACO0513T068CRS018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-08 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1447	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	90.9 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.7 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.43	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.230	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.495	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

GACO0513T068CRS018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	4.26	0.285	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	ND	80.6	"	"	"	"	"	U
Cadmium	ND	0.374	"	"	"	"	"	U
Copper	ND	45.2	"	"	"	"	"	U
Lead	ND	13.8	"	"	"	"	"	U
Nickel	ND	25.6	"	"	"	"	"	U
Selenium	ND	0.256	"	"	"	"	"	U
Silver	ND	0.787	"	"	"	"	"	U
Zinc	ND	364	"	"	"	"	"	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

GACO0513T068CRC018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-09 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.11		0.100	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.259	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	88.1 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRC018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-09 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	111 %		70-130	B5E1420	05/14/2025	05/14/2025	
Surrogate: Toluene-d8	113 %		70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.21	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	B5E1447	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

GACO0513T068CRC018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-09 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1447	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	90.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	93.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.2 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.48	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.448	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.694	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

GACO0513T068CRC018

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-09 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.62	0.287	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	ND	81.2	"	"	"	"	"	U
Cadmium	ND	0.376	"	"	"	"	"	U
Copper	ND	45.5	"	"	"	"	"	U
Lead	ND	13.9	"	"	"	"	"	U
Nickel	ND	25.7	"	"	"	"	"	U
Selenium	ND	0.257	"	"	"	"	"	U
Silver	ND	0.792	"	"	"	"	"	U
Zinc	ND	366	"	"	"	"	"	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

GACO0513T068CRS019

5/13/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-10 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.64		0.100	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.263	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	91.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRS019

5/13/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-10 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	127 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	103 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	93.8 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	4.73	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.81	0.823	"	"	"	"	"
Sodium	0.537	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	0.024	0.020	"	"	"	"	"	
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

GACO0513T068CRS019

5/13/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-10 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	99.3 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	104 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	107 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.20	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.297	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.574	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

GACO0513T068CRS019

5/13/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-10 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.38	0.265	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	81.9	74.9	"	"	"	"	"	
Cadmium	ND	0.347	"	"	"	"	"	U
Copper	ND	42.0	"	"	"	"	"	U
Lead	34.5	12.8	"	"	"	"	"	
Nickel	ND	23.7	"	"	"	"	"	U
Selenium	0.255	0.237	"	"	"	"	"	
Silver	ND	0.731	"	"	"	"	"	U
Zinc	ND	338	"	"	"	"	"	U

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRT007

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-11 (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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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRT007

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-11 (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

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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

GACO0513T068CRT007

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-11 (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

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

GACO0513T068CRT007

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-11 (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	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			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

GACO0513T068CRS009

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-12 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	2.45		0.101	mg/L	1	B5E1445	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.244	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	85.9 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS009

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-12 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	114 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	102 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	108 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.35	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.40	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	0.016	0.005	"	"	"	"	"	
Benzo (a) pyrene	0.029	0.020	"	"	"	"	"	
Benzo (b) fluoranthene	0.039	0.020	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	0.022	0.020	"	"	"	"	"	
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

GACO0513T068CRS009

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-12 (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	0.025	0.020	"	"	"	"	"	
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	100 %	60-130	"	"	"
Surrogate: Pyrene-d10	104 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.63	pH Units	1	B5E1462	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.37	0.0100	SAR	1	B5E1456	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.09	0.00500	mmhos/cm	1	B5E1462	05/14/2025	05/16/2025
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Table 915 metals by EPA 6020B

Arsenic	4.09	0.252	mg/kg	10	B5E1444	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

GACO0513T068CRS009

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-12 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	78.7	71.3	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Cadmium	ND	0.330	"	"	"	"	"	U
Copper	ND	40.0	"	"	"	"	"	U
Lead	28.3	12.2	"	"	"	"	"	
Nickel	ND	22.6	"	"	"	"	"	U
Selenium	0.228	0.226	"	"	"	"	"	
Silver	ND	0.696	"	"	"	"	"	U
Zinc	ND	322	"	"	"	"	"	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

GACO0513T068CRS010

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-13 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.61		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.262	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40) ¹⁰⁷			100	"	"	"	"	"	
Surrogate: o-Terphenyl	104 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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	118 %			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

GACO0513T068CRS010

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-13 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	103 %		70-130		B5E1420	05/14/2025	05/14/2025	
Surrogate: 4-Bromofluorobenzene	99.0 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.02	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	1.06	0.823	"	"	"	"	"	
Sodium	1.48	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

GACO0513T068CRS010

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-13 (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	99.3 %	60-130	"	"
Surrogate: Anthracene-d10	100 %	60-130	"	"
Surrogate: Pyrene-d10	105 %	60-130	"	"
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.19	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.12	0.00500	mmhos/cm	1	B5E1463	05/14/2025	05/16/2025
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Table 915 metals by EPA 6020B

Arsenic	3.52	0.269	mg/kg	10	B5E1444	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

GACO0513T068CRS010

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-13 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	ND	76.1	mg/kg	10	B5E1444	05/14/2025	05/15/2025	U
Cadmium	ND	0.353	"	"	"	"	"	U
Copper	ND	42.7	"	"	"	"	"	U
Lead	23.6	13.0	"	"	"	"	"	U
Nickel	ND	24.1	"	"	"	"	"	U
Selenium	ND	0.241	"	"	"	"	"	U
Silver	ND	0.743	"	"	"	"	"	U
Zinc	ND	343	"	"	"	"	"	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

GACO0513T068CRS011

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-14 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.50		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.248	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	108 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS011

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-14 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	111 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	102 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.34	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.904	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

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

GACO0513T068CRS011

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-14 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	99.4 %	60-130	"	"	"
Surrogate: Anthracene-d10	100 %	60-130	"	"	"
Surrogate: Pyrene-d10	107 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.52	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.893	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.370	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS011

5/13/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-14 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	7.30	0.271	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	81.6	76.6	"	"	"	"	"	
Cadmium	ND	0.355	"	"	"	"	"	U
Copper	ND	43.0	"	"	"	"	"	U
Lead	23.2	13.1	"	"	"	"	"	
Nickel	ND	24.3	"	"	"	"	"	U
Selenium	0.329	0.243	"	"	"	"	"	
Silver	ND	0.747	"	"	"	"	"	U
Zinc	ND	345	"	"	"	"	"	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

GACO0513T068CRS020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-15 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	2.02		0.0995	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.243	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	91.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-15 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	104 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.22	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.53	0.823	"	"	"	"	"
Sodium	0.517	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

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

GACO0513T068CRS020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-15 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	98.1 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	107 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.32	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.377	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.484	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-15 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	13.6	0.270	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	89.6	76.4	"	"	"	"	"	
Cadmium	0.374	0.354	"	"	"	"	"	
Copper	ND	42.9	"	"	"	"	"	U
Lead	47.7	13.0	"	"	"	"	"	
Nickel	ND	24.2	"	"	"	"	"	U
Selenium	ND	0.242	"	"	"	"	"	U
Silver	ND	0.746	"	"	"	"	"	U
Zinc	ND	345	"	"	"	"	"	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

GACO0513T068CRC020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-16 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.68		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.258	mg/kg	1	B5E1439	05/14/2025	06/03/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40) ¹¹⁸			100	"	"	"	"	"	
Surrogate: o-Terphenyl	87.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

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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

GACO0513T068CRC020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-16 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	104 %		70-130		B5E1420	05/14/2025	05/14/2025	
Surrogate: 4-Bromofluorobenzene	103 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.13	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	1.93	0.823	"	"	"	"	"	
Sodium	0.497	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

GACO0513T068CRC020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-16 (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	98.7 %	60-130	"	"	"
Surrogate: Anthracene-d10	107 %	60-130	"	"	"
Surrogate: Pyrene-d10	110 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.313	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.24	0.00500	mmhos/cm	1	B5E1463	05/14/2025	05/16/2025
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Table 915 metals by EPA 6020B

Arsenic	7.46	0.247	mg/kg	10	B5E1444	05/14/2025	05/15/2025
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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

GACO0513T068CRC020

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-16 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	100	69.9	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Cadmium	ND	0.324	"	"	"	"	"	U
Copper	ND	39.2	"	"	"	"	"	U
Lead	32.2	11.9	"	"	"	"	"	
Nickel	ND	22.2	"	"	"	"	"	U
Selenium	ND	0.222	"	"	"	"	"	U
Silver	ND	0.682	"	"	"	"	"	U
Zinc	ND	315	"	"	"	"	"	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

GACO0513T068CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-17 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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

GACO0513T068CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-17 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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

GACO0513T068CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-17 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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

GACO0513T068CRT002

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-17 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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	107 %				70-130	"	"	"	
Surrogate: Toluene-d8	96.8 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %				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

GACO0513T068CRS001

5/13/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-18 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.279		0.0990	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.256	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	85.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS001

5/13/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-18 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	108 %		70-130		B5E1420	05/14/2025	05/14/2025	
Surrogate: Toluene-d8	104 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.9 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.87	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.33	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

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

GACO0513T068CRS001

5/13/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-18 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	99.1 %	60-130	"	"	"
Surrogate: Anthracene-d10	100 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	108 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.33	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.22	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.420	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS001

5/13/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-18 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.96	0.252	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	114	71.4	"	"	"	"	"	
Cadmium	ND	0.331	"	"	"	"	"	U
Copper	ND	40.0	"	"	"	"	"	U
Lead	20.3	12.2	"	"	"	"	"	
Nickel	ND	22.6	"	"	"	"	"	U
Selenium	ND	0.226	"	"	"	"	"	U
Silver	ND	0.697	"	"	"	"	"	U
Zinc	ND	322	"	"	"	"	"	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

GACO0513T068CRS002

5/13/2025 9:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-19 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.538		0.100	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.248	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	97.1 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS002

5/13/2025 9:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-19 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	110 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	114 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	3.49	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.21	0.823	"	"	"	"	"
Sodium	2.04	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

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

GACO0513T068CRS002

5/13/2025 9:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-19 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	98.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	108 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	107 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.33	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.759	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS002

5/13/2025 9:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-19 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.83	0.289	mg/kg	10	B5E1444	05/14/2025	05/15/2025	
Barium	98.9	81.6	"	"	"	"	"	
Cadmium	ND	0.378	"	"	"	"	"	U
Copper	ND	45.8	"	"	"	"	"	U
Lead	31.1	13.9	"	"	"	"	"	
Nickel	ND	25.9	"	"	"	"	"	U
Selenium	0.338	0.259	"	"	"	"	"	
Silver	ND	0.796	"	"	"	"	"	U
Zinc	ND	368	"	"	"	"	"	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

GACO0513T068CRS003

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-20 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.194		0.0985	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.261	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	80.2 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS003

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-20 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	116 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	97.6 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.2 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.97	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.11	0.823	"	"	"	"	"
Sodium	2.71	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

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

GACO0513T068CRS003

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-20 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	98.4 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	2.19	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.685	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS003

5/13/2025 9:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-20 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	5.58	0.254	mg/kg	10	B5E1443	05/14/2025	05/15/2025	
Barium	78.8	71.7	"	"	"	"	"	
Cadmium	ND	0.332	"	"	"	"	"	U
Copper	ND	40.2	"	"	"	"	"	U
Lead	40.5	12.2	"	"	"	"	"	
Nickel	ND	22.7	"	"	"	"	"	U
Selenium	0.258	0.227	"	"	"	"	"	
Silver	ND	0.700	"	"	"	"	"	U
Zinc	ND	324	"	"	"	"	"	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

GACO0513T068CRS004

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-21 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.691		0.0999	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.248	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	83.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

GACO0513T068CRS004

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-21 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	108 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	105 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.1 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	3.65	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.73	0.823	"	"	"	"	"
Sodium	0.749	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	0.007	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

GACO0513T068CRS004

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-21 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	98.6 %	60-130	"	"	"
Surrogate: Anthracene-d10	100 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.25	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.457	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.857	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS004

5/13/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-21 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	4.61	0.282	mg/kg	10	B5E1443	05/14/2025	05/15/2025	
Barium	ND	79.8	"	"	"	"	"	U
Cadmium	ND	0.370	"	"	"	"	"	U
Copper	ND	44.8	"	"	"	"	"	U
Lead	31.1	13.6	"	"	"	"	"	
Nickel	ND	25.3	"	"	"	"	"	U
Selenium	0.260	0.253	"	"	"	"	"	
Silver	ND	0.779	"	"	"	"	"	U
Zinc	ND	360	"	"	"	"	"	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

GACO0513T068CRS005

5/13/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-22 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.10		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	33.2		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	
Residual Range Organics (C28-C40)171			100	"	"	"	"	"	
Surrogate: o-Terphenyl	97.1 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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	121 %			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

GACO0513T068CRS005

5/13/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-22 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.8 %		70-130		B5E1420	05/14/2025	05/14/2025	
Surrogate: 4-Bromofluorobenzene	99.2 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.56	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	2.47	0.823	"	"	"	"	"	
Sodium	1.87	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

GACO0513T068CRS005

5/13/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-22 (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	99.6 %	60-130	"	"
Surrogate: Anthracene-d10	98.5 %	60-130	"	"
Surrogate: Pyrene-d10	108 %	60-130	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"

pH in Soil by 9045D

pH	8.51	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.08	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.814	0.00500	mmhos/cm	1	B5E1463	05/14/2025	05/16/2025
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Table 915 metals by EPA 6020B

Arsenic	3.33	0.256	mg/kg	10	B5E1443	05/14/2025	05/15/2025
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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

GACO0513T068CRS005

5/13/2025 9:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-22 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	ND	72.3	mg/kg	10	B5E1443	05/14/2025	05/15/2025	U
Cadmium	ND	0.335	"	"	"	"	"	U
Copper	ND	40.6	"	"	"	"	"	U
Lead	13.8	12.3	"	"	"	"	"	U
Nickel	ND	22.9	"	"	"	"	"	U
Selenium	ND	0.229	"	"	"	"	"	U
Silver	ND	0.705	"	"	"	"	"	U
Zinc	ND	326	"	"	"	"	"	U

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRS006

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-23 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.542		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.251	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1433	05/14/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	92.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1420	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

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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

GACO0513T068CRS006

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-23 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	117 %		70-130	B5E1420	05/14/2025	05/14/2025
Surrogate: Toluene-d8	98.2 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	3.67	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	1.22	0.823	"	"	"	"	"
Sodium	1.60	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

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

GACO0513T068CRS006

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-23 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	98.9 %	60-130	"	"	"
Surrogate: Anthracene-d10	102 %	60-130	"	"	"
Surrogate: Pyrene-d10	110 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.15	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	1.02	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.279	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS006

5/13/2025 10:10:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-23 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	4.93	0.261	mg/kg	10	B5E1443	05/14/2025	05/15/2025	
Barium	76.7	73.8	"	"	"	"	"	
Cadmium	ND	0.342	"	"	"	"	"	U
Copper	ND	41.4	"	"	"	"	"	U
Lead	31.5	12.6	"	"	"	"	"	
Nickel	ND	23.4	"	"	"	"	"	U
Selenium	0.302	0.234	"	"	"	"	"	
Silver	ND	0.720	"	"	"	"	"	U
Zinc	ND	333	"	"	"	"	"	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

GACO0513T068CRS007

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-24 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.657		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.252	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
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		"	"	"	
GBTEX+TMBs by 8260D									
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

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRS007

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-24 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	95.7 %			70-130		B5E1421	05/14/2025	05/15/2025	
Surrogate: Toluene-d8	98.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.04	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.673	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

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRS007

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-24 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	99.0 %	60-130	"	"	"
Surrogate: Anthracene-d10	99.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	108 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	108 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.98	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.741	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.780	0.00500	mmhos/cm	1	B5E1463	05/14/2025	05/16/2025
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Table 915 metals by EPA 6020B

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

GACO0513T068CRS007

5/13/2025 10:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-24 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.64	0.262	mg/kg	10	B5E1443	05/14/2025	05/15/2025	
Barium	83.4	74.2	"	"	"	"	"	
Cadmium	ND	0.344	"	"	"	"	"	U
Copper	ND	41.6	"	"	"	"	"	U
Lead	14.7	12.7	"	"	"	"	"	
Nickel	ND	23.5	"	"	"	"	"	U
Selenium	0.344	0.235	"	"	"	"	"	
Silver	ND	0.724	"	"	"	"	"	U
Zinc	ND	335	"	"	"	"	"	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

GACO0513T068CRS008

5/13/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-25 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.428		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.255	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
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		"	"	"	
GBTEX+TMBs by 8260D									
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

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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

GACO0513T068CRS008

5/13/2025 10:30:00AM

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

E5E0446-25 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	89.4 %			70-130		B5E1421	05/14/2025	05/15/2025	
Surrogate: Toluene-d8	99.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.5 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.81	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.973	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	0.009	0.005	"	"	"	"	"	
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

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

GACO0513T068CRS008

5/13/2025 10:30:00AM

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

E5E0446-25 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	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	98.7 %	60-130	"	"	"
Surrogate: Anthracene-d10	100 %	60-130	"	"	"
Surrogate: Pyrene-d10	108 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	108 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.01	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.873	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.423	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRS008

5/13/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-25 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	4.47	0.273	mg/kg	10	B5E1443	05/14/2025	05/15/2025	
Barium	78.9	77.1	"	"	"	"	"	
Cadmium	ND	0.357	"	"	"	"	"	U
Copper	ND	43.2	"	"	"	"	"	U
Lead	15.2	13.2	"	"	"	"	"	
Nickel	ND	24.4	"	"	"	"	"	U
Selenium	0.293	0.244	"	"	"	"	"	
Silver	ND	0.752	"	"	"	"	"	U
Zinc	ND	348	"	"	"	"	"	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

GACO0513T068CRC008

5/13/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-26 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.454		0.101	mg/L	1	B5E1455	05/14/2025	05/16/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.239	mg/kg	1	B5E1439	05/14/2025	06/04/2025	U
DRO/ORO by EPA 8015D									
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	115 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
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

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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

GACO0513T068CRC008

5/13/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-26 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	92.5 %		70-130	B5E1421	05/14/2025	05/15/2025
Surrogate: Toluene-d8	100 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.2 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.78	0.499	meq/L	10	[CALC]	05/14/2025	05/16/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.03	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1446	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	0.008	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

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

GACO0513T068CRC008

5/13/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-26 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1446	05/14/2025	05/15/2025	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	0.005	0.002	"	"	"	"	"	
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.1 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	107 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.00	pH Units	1	B5E1463	05/14/2025	05/16/2025
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SAR by 20B Saturated Paste

SAR	0.927	0.0100	SAR	1	B5E1457	05/14/2025	05/16/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.430	0.00500	mmhos/cm	1	B5E1463	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

GACO0513T068CRC008

5/13/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0446-26 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.93	0.251	mg/kg	10	B5E1443	05/14/2025	05/15/2025	
Barium	80.5	70.9	"	"	"	"	"	
Cadmium	ND	0.329	"	"	"	"	"	U
Copper	ND	39.8	"	"	"	"	"	U
Lead	17.8	12.1	"	"	"	"	"	
Nickel	ND	22.5	"	"	"	"	"	U
Selenium	0.315	0.225	"	"	"	"	"	
Silver	ND	0.692	"	"	"	"	"	U
Zinc	ND	320	"	"	"	"	"	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

GACO0513T068CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-27 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0513T068CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-27 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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

GACO0513T068CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-27 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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

GACO0513T068CRT010

5/13/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0446-27 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1427	05/14/2025	05/15/2025	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	97.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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			
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			
Batch B5E1439 - EPA 3060A										
Blank (B5E1439-BLK1)					Prepared: 05/14/2025 Analyzed: 06/03/2025					
Hexavalent Chromium	ND	0.250	mg/kg							U
LCS (B5E1439-BS1)					Prepared: 05/14/2025 Analyzed: 06/03/2025					
Hexavalent Chromium	2.46	0.250	mg/kg	2.50		98.4	80-120			
Matrix Spike (B5E1439-MS1)					Source: E5E0446-07 Prepared: 05/14/2025 Analyzed: 06/03/2025					
Hexavalent Chromium	1.81	0.248	mg/kg	2.48	0.0382	71.5	75-125			QM-07

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

*** 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 B5E1439 - EPA 3060A

Matrix Spike (B5E1439-MS2)

Source: E5E0446-07

Prepared: 05/14/2025 Analyzed: 06/03/2025

Hexavalent Chromium

237

25.9

mg/kg

265

ND

89.5

75-125

Matrix Spike Dup (B5E1439-MSD1)

Source: E5E0446-07

Prepared: 05/14/2025 Analyzed: 06/03/2025

Hexavalent Chromium

1.99

0.260

mg/kg

2.60

ND

76.4

75-125

9.06

200

Post Spike (B5E1439-PS1)

Source: E5E0446-07

Prepared: 05/14/2025 Analyzed: 06/03/2025

Hexavalent Chromium

48.5

ug/L

50.0

0.799

95.4

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 B5E1445 - DTPA Sorbitol Preparation

Blank (B5E1445-BLK1)

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

Boron	ND	0.100	mg/L							U
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Duplicate (B5E1445-DUP1)

Source: E5D0766-04

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

Boron	0.789	0.0998	mg/L		0.765			3.03	50	
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Batch B5E1455 - DTPA Sorbitol Preparation

Blank (B5E1455-BLK1)

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

Boron	ND	0.100	mg/L							U
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Duplicate (B5E1455-DUP1)

Source: E5E0446-02

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

Boron	0.287	0.100	mg/L		0.251			13.4	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

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	U
Sodium PPM	4.01	10.0	"		3.46			14.7	50	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

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 B5E1457 - Saturated Paste Metals

Blank (B5E1457-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

Duplicate (B5E1457-DUP1)

Source: E5E0279-01

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

Calcium PPM	189	10.0	mg/L		233			20.7	50	
SAR	ND	0.0100	SAR		0.975				200	U
Magnesium PPM	ND	10.0	mg/L		ND				50	U
Sodium PPM	53.2	10.0	"		54.0			1.47	50	

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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
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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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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
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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			

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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
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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	

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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 B5E1447 - EPA 3580

Blank (B5E1447-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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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 B5E1447 - EPA 3580**Blank (B5E1447-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		102	60-130			
Surrogate: Anthracene-d10	190		"	200		94.8	60-130			
Surrogate: Pyrene-d10	190		"	200		93.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B5E1447-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	0.172	0.002	"	0.200		85.8	70-130			
Acenaphthene	0.190	0.020	"	0.200		95.2	70-130			
Anthracene	0.206	0.020	"	0.200		103	70-130			
Benzo (a) anthracene	0.213	0.005	"	0.200		107	70-130			
Benzo (a) pyrene	0.205	0.020	"	0.200		102	70-130			
Benzo (b) fluoranthene	0.215	0.020	"	0.200		108	70-130			
Benzo (g,h,i) perylene	0.191	0.020	"	0.200		95.7	70-130			
Benzo (k) fluoranthene	0.211	0.020	"	0.200		105	70-130			
Chrysene	0.199	0.020	"	0.200		99.4	70-130			
Dibenz (a,h) anthracene	0.227	0.020	"	0.200		114	70-130			
Fluoranthene	0.188	0.020	"	0.200		94.1	70-130			
Fluorene	0.187	0.020	"	0.200		93.7	70-130			
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200		103	70-130			
Naphthalene	0.188	0.002	"	0.200		94.1	70-130			
Phenanthrene	0.192	0.020	"	0.200		95.9	70-130			
Pyrene	0.185	0.020	"	0.200		92.3	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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 B5E1447 - EPA 3580**LCS (B5E1447-BS1)**

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

Surrogate: Anthracene-d10	190		ug/kg	200		94.7	60-130
Surrogate: Pyrene-d10	180		"	200		91.5	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130

Matrix Spike (B5E1447-MS1)**Source: E5E0444-07**

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

1-Methylnaphthalene	0.178	0.002	mg/kg	0.200	ND	89.0	70-130
2-Methylnaphthalene	0.180	0.002	"	0.200	ND	90.2	70-130
Acenaphthene	0.194	0.020	"	0.200	0.0007	96.7	70-130
Anthracene	0.176	0.020	"	0.200	ND	87.8	70-130
Benzo (a) anthracene	0.219	0.005	"	0.200	0.001	109	70-130
Benzo (a) pyrene	0.210	0.020	"	0.200	0.002	104	70-130
Benzo (b) fluoranthene	0.215	0.020	"	0.200	0.002	107	70-130
Benzo (g,h,i) perylene	0.180	0.020	"	0.200	0.001	89.3	70-130
Benzo (k) fluoranthene	0.212	0.020	"	0.200	0.001	105	70-130
Chrysene	0.201	0.020	"	0.200	0.002	99.4	70-130
Dibenz (a,h) anthracene	0.219	0.020	"	0.200	0.0006	109	70-130
Fluoranthene	0.198	0.020	"	0.200	0.004	97.0	70-130
Fluorene	0.191	0.020	"	0.200	ND	95.3	70-130
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	0.002	99.2	70-130
Naphthalene	0.192	0.002	"	0.200	0.002	95.1	70-130
Phenanthrene	0.195	0.020	"	0.200	0.002	96.7	70-130
Pyrene	0.193	0.020	"	0.200	0.002	95.1	70-130

Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130
Surrogate: Anthracene-d10	180		"	200		90.4	60-130
Surrogate: Pyrene-d10	190		"	200		93.7	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.9	60-130

Matrix Spike Dup (B5E1447-MSD1)**Source: E5E0444-07**

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

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E1447 - EPA 3580										
1-Methylnaphthalene	0.177	0.002	mg/kg	0.200	ND	88.7	70-130	0.315	20	
2-Methylnaphthalene	0.176	0.002	"	0.200	ND	87.8	70-130	2.72	20	
Acenaphthene	0.195	0.020	"	0.200	0.0007	97.4	70-130	0.724	20	
Anthracene	0.182	0.020	"	0.200	ND	91.2	70-130	3.82	20	
Benzo (a) anthracene	0.227	0.005	"	0.200	0.001	113	70-130	3.34	20	
Benzo (a) pyrene	0.219	0.020	"	0.200	0.002	109	70-130	4.26	20	
Benzo (b) fluoranthene	0.215	0.020	"	0.200	0.002	107	70-130	0.145	20	
Benzo (g,h,i) perylene	0.180	0.020	"	0.200	0.001	89.2	70-130	0.0434	20	
Benzo (k) fluoranthene	0.196	0.020	"	0.200	0.001	97.4	70-130	7.73	20	
Chrysene	0.199	0.020	"	0.200	0.002	98.5	70-130	0.898	20	
Dibenz (a,h) anthracene	0.217	0.020	"	0.200	0.0006	108	70-130	0.777	20	
Fluoranthene	0.198	0.020	"	0.200	0.004	97.1	70-130	0.162	20	
Fluorene	0.198	0.020	"	0.200	ND	99.0	70-130	3.79	20	
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200	0.002	102	70-130	2.89	20	
Naphthalene	0.189	0.002	"	0.200	0.002	93.7	70-130	1.51	20	
Phenanthrene	0.197	0.020	"	0.200	0.002	97.7	70-130	1.01	20	
Pyrene	0.197	0.020	"	0.200	0.002	97.3	70-130	2.30	20	
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	190		"	200		93.6	60-130			
Surrogate: Pyrene-d10	190		"	200		95.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	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

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 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			
Residual Range Organics (C28-C40)	923	200	"	1000		92.3	70-130			
Surrogate: o-Terphenyl	59		"	49.8		118	50-150			

Matrix Spike (B5E1432-MS1)

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			

Matrix Spike Dup (B5E1432-MSD1)

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			

Batch B5E1433 - EPA 3550B

Blank (B5E1433-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	19		"	24.9		77.8	50-150			

LCS (B5E1433-BS1)

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

Diesel (C10-C28)	1180	50.0	mg/kg	1000		118	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
Batch B5E1433 - EPA 3550B										
LCS (B5E1433-BS1)					Prepared: 05/14/2025 Analyzed: 05/14/2025					
Residual Range Organics (C28-C40)	1230	200	mg/kg	1000		123	70-130			
Surrogate: o-Terphenyl	64		"	49.8		129	50-150			
Matrix Spike (B5E1433-MS1)					Source: E5E0446-02 Prepared: 05/14/2025 Analyzed: 05/14/2025					
Diesel (C10-C28)	1120	50.0	mg/kg	1000	ND	112	70-130			
Residual Range Organics (C28-C40)	1170	200	"	1000	ND	117	70-130			
Surrogate: o-Terphenyl	57		"	49.8		114	50-150			
Matrix Spike Dup (B5E1433-MSD1)					Source: E5E0446-02 Prepared: 05/14/2025 Analyzed: 05/14/2025					
Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	70-130	7.19	35	
Residual Range Organics (C28-C40)	1080	200	"	1000	ND	108	70-130	7.16	35	
Surrogate: o-Terphenyl	53		"	49.8		107	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 B5E1443 - EPA 3050B**Blank (B5E1443-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 (B5E1443-BS1)

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

Arsenic	5.99	0.290	mg/kg	5.00		120	80-120			
Barium	552	82.0	"	500		110	80-120			
Cadmium	5.79	0.380	"	5.00		116	80-120			
Copper	59.7	46.0	"	50.0		119	80-120			
Lead	5.68	14.0	"	5.00		114	80-120			U
Nickel	5.97	26.0	"	5.00		119	80-120			U
Selenium	5.78	0.260	"	5.00		116	80-120			
Silver	5.92	0.800	"	5.00		118	80-120			
Zinc	59.3	370	"	50.0		119	80-120			U

Matrix Spike (B5E1443-MS1)**Source: E5E0444-07**

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

Arsenic	9.03	0.252	mg/kg	4.35	4.04	115	75-125			
Barium	528	71.3	"	435	81.2	103	75-125			
Cadmium	4.71	0.330	"	4.35	0.203	104	75-125			
Copper	70.4	40.0	"	43.5	18.6	119	75-125			
Lead	13.7	12.2	"	4.35	8.03	131	75-125			QM-07

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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 B5E1443 - EPA 3050B

Matrix Spike (B5E1443-MS1)

Source: E5E0444-07

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

Nickel	14.7	22.6	mg/kg	4.35	8.99	131	75-125			QM-07, U
Selenium	4.61	0.226	"	4.35	0.293	99.4	75-125			
Silver	4.60	0.696	"	4.35	0.0318	105	75-125			
Zinc	92.0	322	"	43.5	44.1	110	75-125			U

Matrix Spike Dup (B5E1443-MSD1)

Source: E5E0444-07

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

Arsenic	25.0	0.276	mg/kg	4.77	4.04	440	75-125	93.8	20	QM-07, QR-DUP
Barium	560	78.2	"	477	81.2	100	75-125	5.84	20	
Cadmium	5.08	0.362	"	4.77	0.203	102	75-125	7.51	20	
Copper	74.3	43.9	"	47.7	18.6	117	75-125	5.38	20	
Lead	16.6	13.3	"	4.77	8.03	179	75-125	18.6	20	QM-07
Nickel	17.8	24.8	"	4.77	8.99	184	75-125	19.1	20	QM-07, U
Selenium	5.27	0.248	"	4.77	0.293	104	75-125	13.3	20	
Silver	4.76	0.763	"	4.77	0.0318	99.3	75-125	3.59	20	
Zinc	99.9	353	"	47.7	44.1	117	75-125	8.17	20	U

Batch B5E1444 - EPA 3050B

Blank (B5E1444-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

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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
Batch B5E1444 - EPA 3050B										
Blank (B5E1444-BLK1)										
					Prepared: 05/14/2025 Analyzed: 05/15/2025					
Selenium	ND	0.260	mg/kg							U
Silver	ND	0.800	"							U
Zinc	ND	370	"							U
LCS (B5E1444-BS1)										
					Prepared: 05/14/2025 Analyzed: 05/15/2025					
Arsenic	5.41	0.290	mg/kg	5.00		108	80-120			
Barium	572	82.0	"	500		114	80-120			
Cadmium	5.55	0.380	"	5.00		111	80-120			
Copper	56.2	46.0	"	50.0		112	80-120			
Lead	5.72	14.0	"	5.00		114	80-120			U
Nickel	5.72	26.0	"	5.00		114	80-120			U
Selenium	5.60	0.260	"	5.00		112	80-120			
Silver	5.71	0.800	"	5.00		114	80-120			
Zinc	57.2	370	"	50.0		114	80-120			U
Matrix Spike (B5E1444-MS1)										
			Source: E5E0446-02		Prepared: 05/14/2025 Analyzed: 05/15/2025					
Arsenic	8.20	0.269	mg/kg	4.63	3.64	98.4	75-125			
Barium	581	76.0	"	463	75.8	109	75-125			
Cadmium	5.30	0.352	"	4.63	0.236	109	75-125			
Copper	61.1	42.6	"	46.3	10.2	110	75-125			
Lead	28.1	13.0	"	4.63	22.0	132	75-125			QM-07
Nickel	12.3	24.1	"	4.63	7.06	112	75-125			U
Selenium	5.32	0.241	"	4.63	0.181	111	75-125			
Silver	5.19	0.741	"	4.63	0.0290	111	75-125			
Zinc	103	343	"	46.3	51.2	111	75-125			U
Matrix Spike Dup (B5E1444-MSD1)										
			Source: E5E0446-02		Prepared: 05/14/2025 Analyzed: 05/15/2025					

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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 B5E1444 - EPA 3050B

Matrix Spike Dup (B5E1444-MSD1)

Source: E5E0446-02

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

Arsenic	8.19	0.285	mg/kg	4.91	3.64	92.8	75-125	0.119	20	
Barium	587	80.5	"	491	75.8	104	75-125	1.01	20	
Cadmium	5.30	0.373	"	4.91	0.236	103	75-125	0.125	20	
Copper	62.0	45.1	"	49.1	10.2	106	75-125	1.48	20	
Lead	25.5	13.7	"	4.91	22.0	72.7	75-125	9.48	20	QM-07
Nickel	12.0	25.5	"	4.91	7.06	100	75-125	2.26	20	U
Selenium	5.16	0.255	"	4.91	0.181	102	75-125	3.01	20	
Silver	5.22	0.785	"	4.91	0.0290	106	75-125	0.663	20	
Zinc	101	363	"	49.1	51.2	101	75-125	1.71	20	U

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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 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

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

Batch B5E1463 - Saturated Paste pH/EC

Blank (B5E1463-BLK1)

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

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5E1463-DUP1)

Source: E5E0279-01

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

pH	12.0		pH Units	12.0			0.167	25		
Specific Conductance (EC)	2.27	0.00500	mmhos/cm	2.45			7.47	25		

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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 B5E1420 - EPA 5030 (soil)**Blank (B5E1420-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	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.2	70-130			

LCS (B5E1420-BS1)

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

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.0992	0.00200	"	0.100		99.2	70-130			
Ethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Naphthalene	0.105	0.00380	"	0.100		105	70-130			
Toluene	0.0984	0.00200	"	0.100		98.4	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.200	0.00400	"	0.200		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

Matrix Spike (B5E1420-MS1)**Source: E5E0446-02**

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

1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130			
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Jen Pellegrini For Jordan A. Bynon, Project Manager



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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1420 - EPA 5030 (soil)**Matrix Spike (B5E1420-MS1)****Source: E5E0446-02**

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

1,3,5-Trimethylbenzene	0.112	0.00200	mg/kg	0.100	ND	112	70-130			
Benzene	0.104	0.00200	"	0.100	ND	104	70-130			
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Naphthalene	0.106	0.00380	"	0.100	ND	106	70-130			
Toluene	0.103	0.00200	"	0.100	ND	103	70-130			
o-Xylene	0.112	0.00200	"	0.100	ND	112	70-130			
m,p-Xylene	0.206	0.00400	"	0.200	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14	"	"	0.125		113	70-130			
Surrogate: Toluene-d8	0.13	"	"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13	"	"	0.125		101	70-130			

Matrix Spike Dup (B5E1420-MSD1)**Source: E5E0446-02**

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

1,2,4-Trimethylbenzene	0.104	0.00200	mg/kg	0.100	ND	104	70-130	5.21	20	
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130	5.59	20	
Benzene	0.0997	0.00200	"	0.100	ND	99.7	70-130	4.42	20	
Ethylbenzene	0.0977	0.00200	"	0.100	ND	97.7	70-130	6.15	20	
Naphthalene	0.109	0.00380	"	0.100	ND	109	70-130	3.09	20	
Toluene	0.0982	0.00200	"	0.100	ND	98.2	70-130	5.12	20	
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130	9.39	20	
m,p-Xylene	0.195	0.00400	"	0.200	ND	97.5	70-130	5.76	20	
Surrogate: 1,2-Dichloroethane-d4	0.14	"	"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12	"	"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13	"	"	0.125		102	70-130			

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
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Jen Pellegrini For Jordan A. Bynon, Project Manager



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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1421 - EPA 5030 (soil)**Blank (B5E1421-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		99.3	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			
1,3,5-Trimethylbenzene	0.105	0.00200	"	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

Benzene	0.0867	0.00200	mg/kg	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 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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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)**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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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)**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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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)**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			

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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)

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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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

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

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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)**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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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 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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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
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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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Notes and Definitions

U Sample is Non-Detect.

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

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

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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