



CTEH

Kyle Lawrence

5120 North Shore Drive

North Little RockAR 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 12, 2025. This project is associated with Origins project number E5E0412-01.

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
GACO0512T080CRS001	E5E0412-01	Soil	May 12, 2025 14:55	05/12/2025 19:45
GACO0512T080CRS002	E5E0412-02	Soil	May 12, 2025 14:45	05/12/2025 19:45
GACO0512T080CRS003	E5E0412-03	Soil	May 12, 2025 14:35	05/12/2025 19:45
GACO0512T080CRS004	E5E0412-04	Soil	May 12, 2025 13:50	05/12/2025 19:45
GACO0512T080CRS005	E5E0412-05	Soil	May 12, 2025 13:35	05/12/2025 19:45
GACO0512T080CRT008	E5E0412-06	Water	May 12, 2025 7:00	05/12/2025 19:45
GACO0512T080CRS006	E5E0412-07	Soil	May 12, 2025 13:40	05/12/2025 19:45
GACO0512T080CRS007	E5E0412-08	Soil	May 12, 2025 13:55	05/12/2025 19:45
GACO0512T080CRS008	E5E0412-09	Soil	May 12, 2025 14:10	05/12/2025 19:45
GACO0512T080CRS009	E5E0412-10	Soil	May 12, 2025 14:30	05/12/2025 19:45
GACO0512T080CRS010	E5E0412-11	Soil	May 12, 2025 14:30	05/12/2025 19:45
GACO0512T080CRT004	E5E0412-12	Water	May 12, 2025 7:00	05/12/2025 19:45
GACO0512T080CRS011	E5E0412-13	Soil	May 12, 2025 13:40	05/12/2025 19:45
GACO0512T080CRS012	E5E0412-14	Soil	May 12, 2025 13:55	05/12/2025 19:45

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
GACO0512T080CRC012	E5E0412-15	Soil	May 12, 2025 13:55	05/12/2025 19:45
GACO0512T080CRS013	E5E0412-16	Soil	May 12, 2025 1:20	05/12/2025 19:45
GACO0512T080CRS014	E5E0412-17	Soil	May 12, 2025 14:30	05/12/2025 19:45
GACO0512T080CRS015	E5E0412-18	Soil	May 12, 2025 14:45	05/12/2025 19:45
GACO0512T080CRT007	E5E0412-19	Water	May 12, 2025 7:00	05/12/2025 19:45
GACO0512T080CRS016	E5E0412-20	Soil	May 12, 2025 13:15	05/12/2025 19:45
GACO0512T080CRS017	E5E0412-21	Soil	May 12, 2025 13:15	05/12/2025 19:45
GACO0512T080CRS018	E5E0412-22	Soil	May 12, 2025 13:30	05/12/2025 19:45
GACO0512T080CRS019	E5E0412-23	Soil	May 12, 2025 13:40	05/12/2025 19:45
GACO0512T080CRS020	E5E0412-24	Soil	May 12, 2025 13:45	05/12/2025 19:45
GACO0512T080CRS021	E5E0412-25	Soil	May 12, 2025 13:50	05/12/2025 19:45
GACO0512T080CRC021	E5E0412-26	Soil	May 12, 2025 13:50	05/12/2025 19:45
GACO0512T080CRS022	E5E0412-27	Soil	May 12, 2025 14:00	05/12/2025 19:45
GACO0512T080CRS023	E5E0412-28	Soil	May 12, 2025 14:10	05/12/2025 19:45

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GACO0512T080CRS024	E5E0412-29	Soil	May 12, 2025 14:20	05/12/2025 19:45
GACO0512T080CRS025	E5E0412-30	Soil	May 12, 2025 14:25	05/12/2025 19:45
GACO0512T080CRS026	E5E0412-31	Soil	May 12, 2025 14:25	05/12/2025 19:45
GACO0512T080CRS027	E5E0412-32	Soil	May 12, 2025 14:40	05/12/2025 19:45
GACO0512T080CRT009	E5E0412-33	Water	May 12, 2025 7:00	05/12/2025 19:45

Chain of Custody Modification Request

On 6/3/2025, Madelyn Klinkerman from CTEH contacted Jennifer Pellegrini via email regarding E5E0412 requesting that sample ID GACO0512T080CRST004 be updated to GACO0512T080CRT004.

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

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

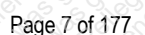
Chain of Custody Record		Turn Around Time (rush by advanced notice only)						
Lab No.	Page	Standard	5 Day	1 Day	ASAP			
680012	2 of 5							
ENTHALPY ANALYTICAL Enthralpy Analytical - Denver 1725 W. Elk Place, Denver, CO 80211 Phone: 303-433-1322								
CUSTOMER INFORMATION Company: CTEH Report To: Environmental Health Services, EPC Center, Highway Herndon, VA 22061, Mather Hillman Email: mather.hillman@epc.com Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: _____ Phone: _____ Billing: Insurance: CTEH@montrose-env.com								
PROJECT INFORMATION Name: PROJ-054017 Bishop Loss of Containment Number: _____ P.O. #: _____ Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: _____ Phone: _____ Billing: Insurance: CTEH@montrose-env.com								
ANALYSIS REQUEST Sample Type: C- Preservatives: 0=none 1=Hg, 2=HCl, 3=HNO ₃ , 4=H ₂ SO ₄ , 5=NaOH, 6=Other 7=Blank, 8=Other (use only)								
TEST INSTRUCTIONS / COMMENTS (This area is for handwritten notes)								
Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres. No.	Cont. No.	Cont. Size	Initials
1 GAC085127080CS006	5/12/2025	13:40 S	G	0	3	4	02	AS
2 GAC085127080CS007	5/12/2025	13:55 S	G	0	3	4	02	AS
3 GAC085127080CS008	5/12/2025	14:10 S	G	0	3	4	02	AS
4 GAC085127080CS009	5/12/2025	14:30 S	G	0	3	4	02	AS
5 GAC085127080CS010	5/12/2025	14:30 S	G	0	3	4	02	AS
6 GAC085127080CS004	5/12/2025	7:40 X	8	2	2	40	ML	AS
7								
8								
9								
10								
Requisitioned By:	Signature	Print Name	Company / Title	Date / Time				
Received By:	Signature	Print Name	Company / Title	Date / Time				
Requisitioned By:	Signature	Print Name	Company / Title	Date / Time				
Received By:	Signature	Print Name	Company / Title	Date / Time				
Requisitioned By:	Signature	Print Name	Company / Title	Date / Time				
Received By:	Signature	Print Name	Company / Title	Date / Time				

Origins Laboratory

Jen Pellegrini

Jen Pellegrini For Jordan A. Bynon, Project Manager

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Project Number: PROJ-054017

Project: PROJ-054017

Chain of Custody Record		Turn Around Time (rush by advanced notice only)						
Lab No.	Page	Standard	5 Day	1 Day	Custom TAT			
ENTHALPY ANALYTICAL	4 of 5	ES0012			ASAP			
Enthalpy Analytical - Denver 1725 W. Elk Place, Denver, CO 80211 Phone: 303-433-4322		Sample Type: Matrix: A = Air S = Solid/Liquid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Waste WW = Wastewater X = Other						
CUSTOMER INFORMATION Company: CTEH Report To: Chris Blythe, Vice President of Compliance Email: Chris.Blythe@cteh.com Address: 5120 North Shore Dr., North Little Rock, AR 72118 Phone: _____ Site Name: _____ Global ID: _____ Billing Instructions: CTEH@montrose-env.com		PROJECT INFORMATION Name: PROJ-054017 Bishop Loss of Containment Number: _____ P.O. #: _____ Address: _____ State: _____ Zip: _____						
Analysis Request Test Instructions / Comments: _____		Test Instructions / Comments _____						
Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Type	Pres.	Cont. No.	Cont. Size	Initials
1 GAC005127080CS015	5/12/2025	13:15 S	G	0	3	4	02	MB
2 GAC005127080CS017	5/12/2025	13:15 S	G	0	3	1	02	MB
3 GAC005127080CS018	5/12/2025	13:30 S	G	0	3	4	02	MB
4 GAC005127080CS019	5/12/2025	13:40 S	G	0	3	4	02	MB
5 GAC005127080CS020	5/12/2025	13:45 S	G	0	3	4	02	MB
6 GAC005127080CS021	5/12/2025	13:50 S	G	0	3	4	02	MB
7 GAC005127080CS022	5/12/2025	13:55 S	G	0	3	4	02	MB
8 GAC005127080CS023	5/12/2025	14:00 S	G	0	3	4	02	MB
9 GAC005127080CS024	5/12/2025	14:10 S	G	0	3	4	02	MB
10 GAC005127080CS025	5/12/2025	14:20 S	G	0	3	4	02	MB
Signature		Print Name		Company / Title		Date / Time		
Relinquished By: <i>Matthew Beck</i>	<i>Matthew Beck</i>	Matthew Beck		CTEH		5-18-25 1:00pm		
Received By: <i>Samuel H.</i>	<i>Samuel H.</i>	Samuel H.		Enthalpy		5/18/25 1:30		
Relinquished By:								
Received By:								
Relinquished By:								
Received By:								

Origins Laboratory

Jen Pellegrini

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

Chain of Custody Record		Turn Around Time (Just by advanced notice only)				Sample Receipt Temp and Notes		
Lab No.	Page	Standard	1 Day	5 Day	3 Day			
ENTHALPY ANALYTICAL	680012					14C		
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 MW=Wastewater X=Other	Sample Type: C=Preservatives: 0=none 1=H ₂ SO ₄ 2=HCl 3=HNO ₃ 4=H ₂ SO ₄ 5=NaOH 6=Other 6=Grab or Duplicate B=Blank O=Other					
CUSTOMER INFORMATION Company: CTEH Report To: Chris Bishop, Mt. Lawrence, Etc. Collins, Indiana Email: chris.bishop@mtlawrence.com Address: 5120 North Shore Drive, North Little Rock, AR 72118 Phone: [Redacted] Global ID: [Redacted] Billing: kyle.lawrence@cteh.com		PROJECT INFORMATION Name: PROJ-054017 Bishop Loss of Containment Number: [Redacted] P.O. #: [Redacted] Address: Galveston, CO Site Name: [Redacted] Global ID: [Redacted] Sampled By: [Redacted]		Analysis Request Test Introduction / Comments: [Redacted]				
Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Type	Pres.	Cont. No.	Cont. Size	Initials
1 6A00512708055025	5/12/2025	14:25 S	G	0	3	4	02	MB
2 6A00512708055016	5/12/2025	14:25 S	G	0	3	4	02	MB
3 6A00512708055027	5/12/2025	14:40 S	G	0	3	4	02	MB
4 6A00512708055009	5/12/2025	7:40 X	B	2	2	40	ml	MB
5								
6								
7								
8								
9								
10								
Signature Requisitioned By: [Signature]		Print Name Matthew Bell		Company / Title CTEH		Date / Time 5-18-25 1800		
Signature Received By: [Signature]		Print Name Samantha K. [Redacted]		Company / Title ENTHALPY		Date / Time 5/19/25 730		
Signature Requisitioned By: [Redacted]		Print Name [Redacted]		Company / Title [Redacted]		Date / Time [Redacted]		
Signature Received By: [Redacted]		Print Name [Redacted]		Company / Title [Redacted]		Date / Time [Redacted]		
Signature Requisitioned By: [Redacted]		Print Name [Redacted]		Company / Title [Redacted]		Date / Time [Redacted]		
Signature Received By: [Redacted]		Print Name [Redacted]		Company / Title [Redacted]		Date / Time [Redacted]		

Origins Laboratory

Jen Pellegrini

Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESE0412

Client: CTEH

Client Project ID: PROJ-054017

Checklist Completed by: SRM / SRM

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 05/13/12

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☒ Water ☐ Other: _____

Cooler Number/Temperature: 1 / 14 °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 subcontrasted 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"/>		
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)

05/13/12
Date/Time Reviewed

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

ENTHALPY ANALYTICAL		Chain of Custody Record		Lab No.		Page		Term Amount Time (units by advanced notice)		AS 06/08/25	
CUSTOMER INFORMATION		CTEH		5120 North Shore Drive, North Little Rock, AR 72118		5120 North Shore Drive, North Little Rock, AR 72118		5120 North Shore Drive, North Little Rock, AR 72118		5120 North Shore Drive, North Little Rock, AR 72118	
Sample ID		Sampling Time (To Matrix)		Sample Type		Cont. No.		Cont. Size		Cont. Initialed	
1	5/12/2025	5/12/2025	33.5N/S	G	0	1	4	02	AS	X	
2	5/12/2025	5/12/2025	4.510/S	G	0	1	4	02	AS	X	
3	5/12/2025	5/12/2025	14.510/S	G	0	1	4	02	AS	X	
4	5/12/2025	5/12/2025	14.510/S	G	0	1	4	02	AS	X	
5	5/12/2025	5/12/2025	14.510/S	G	0	1	4	02	AS	X	
6	5/12/2025	5/12/2025	7.600/X	B	2	2	40	at	AS	X	
7											
8											
9											
10											
Relinquished By:		Signature		Print Name		Company / Title		Date / Time		AS 06/08/25	
Received By:		Signature		Print Name		Company / Title		Date / Time		AS 06/08/25	
Relinquished By:		Signature		Print Name		Company / Title		Date / Time		AS 06/08/25	
Received By:		Signature		Print Name		Company / Title		Date / Time		AS 06/08/25	

Origins Laboratory

Jen Pellegrini

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

GACO0512T080CRS001

5/12/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-01 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.11		0.0999	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.259	mg/kg	1	B5E1323	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	102 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	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

GACO0512T080CRS001

5/12/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	83.8 %		70-130	B5E1311	05/13/2025	05/13/2025
Surrogate: Toluene-d8	101 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.31	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025
Magnesium	1.16	0.823	"	"	"	"	"
Sodium	0.667	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS001

5/12/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	107 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.61	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.506	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.673	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS001

5/12/2025 2:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.61	0.263	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	127	74.4	"	"	"	"	"	
Cadmium	ND	0.345	"	"	"	"	"	U
Copper	ND	41.7	"	"	"	"	"	U
Lead	ND	12.7	"	"	"	"	"	U
Nickel	ND	23.6	"	"	"	"	"	U
Selenium	0.274	0.236	"	"	"	"	"	
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

GACO0512T080CRS002

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-02 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.35		0.0993	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.255	mg/kg	1	B5E1323	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40) ¹¹⁵			100	"	"	"	"	"	
Surrogate: o-Terphenyl	107 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	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	87.4 %			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

GACO0512T080CRS002

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-02 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %		70-130		B5E1311	05/13/2025	05/14/2025	
Surrogate: 4-Bromofluorobenzene	109 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	4.10	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	2.25	0.823	"	"	"	"	"	
Sodium	0.567	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS002

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-02 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	95.2 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.9 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.46	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.318	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.01	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	2.20	0.244	mg/kg	10	B5E1305	05/13/2025	05/14/2025
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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

GACO0512T080CRS002

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	73.0	69.0	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Cadmium	ND	0.320	"	"	"	"	"	U
Copper	ND	38.7	"	"	"	"	"	U
Lead	ND	11.8	"	"	"	"	"	U
Nickel	ND	21.9	"	"	"	"	"	U
Selenium	0.220	0.219	"	"	"	"	"	
Silver	ND	0.673	"	"	"	"	"	U
Zinc	ND	311	"	"	"	"	"	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

GACO0512T080CRS003

5/12/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-03 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.757		0.100	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.255	mg/kg	1	B5E1323	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	109 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS003

5/12/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-03 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	83.8 %			70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	99.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	5.19	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	3.00	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS003**5/12/2025 2:35:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0412-03 (Soil)
Origins Laboratory****PAH by EPA 8270E extracted via 3580A**

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	94.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.50	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.171	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.22	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS003

5/12/2025 2:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-03 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.87	0.281	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	79.5	"	"	"	"	"	U
Cadmium	ND	0.368	"	"	"	"	"	U
Copper	ND	44.6	"	"	"	"	"	U
Lead	ND	13.6	"	"	"	"	"	U
Nickel	ND	25.2	"	"	"	"	"	U
Selenium	ND	0.252	"	"	"	"	"	U
Silver	ND	0.775	"	"	"	"	"	U
Zinc	ND	359	"	"	"	"	"	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

GACO0512T080CRS004

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-04 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.960		0.0997	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	103 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS004

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-04 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	85.4 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	99.6 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.67	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	0.956	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS004

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-04 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	91.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.96	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.191	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.549	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS004

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-04 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.21	0.276	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	77.9	"	"	"	"	"	U
Cadmium	ND	0.361	"	"	"	"	"	U
Copper	ND	43.7	"	"	"	"	"	U
Lead	ND	13.3	"	"	"	"	"	U
Nickel	ND	24.7	"	"	"	"	"	U
Selenium	ND	0.247	"	"	"	"	"	U
Silver	ND	0.760	"	"	"	"	"	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

GACO0512T080CRS005

5/12/2025 1:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-05 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.33		0.0999	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.246	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	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	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS005

5/12/2025 1:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-05 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	86.6 %			70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	99.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.76	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	1.60	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS005

5/12/2025 1:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-05 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	94.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.90	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.141	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.782	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS005

5/12/2025 1:35:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-05 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	4.93	0.246	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	98.2	69.6	"	"	"	"	"	
Cadmium	ND	0.322	"	"	"	"	"	U
Copper	ND	39.0	"	"	"	"	"	U
Lead	ND	11.9	"	"	"	"	"	U
Nickel	ND	22.1	"	"	"	"	"	U
Selenium	0.245	0.221	"	"	"	"	"	
Silver	ND	0.679	"	"	"	"	"	U
Zinc	ND	314	"	"	"	"	"	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

GACO0512T080CRT008

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-06 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	U
1,1,1-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1,2,2-Tetrachloroethane	ND		1.00	"	"	"	"	"	U
1,1,2-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethene	ND		1.00	"	"	"	"	"	U
1,1-Dichloropropene	ND		1.00	"	"	"	"	"	U
1,2,3-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,3-Trichloropropane	ND		5.00	"	"	"	"	"	U
1,2,4-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,4-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,2-Dibromo-3-chloropropane	ND		5.00	"	"	"	"	"	U
1,2-Dibromoethane (EDB)	ND		1.50	"	"	"	"	"	U
1,2-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,2-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,2-Dichloropropane	ND		1.00	"	"	"	"	"	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichloropropane	ND		1.00	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRT008

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-06 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT008

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-06 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT008

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-06 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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	97.1 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

Origins Laboratory

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS006

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-07 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.703		0.0997	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	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	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS006

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-07 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	85.4 %			70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	101 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.40	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS006

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-07 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	91.2 %	60-130	"	"	"
Surrogate: Pyrene-d10	95.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.00	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.412	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.438	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS006

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	20.0	0.273	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	95.3	77.3	"	"	"	"	"	
Cadmium	0.917	0.358	"	"	"	"	"	
Copper	ND	43.4	"	"	"	"	"	U
Lead	ND	13.2	"	"	"	"	"	U
Nickel	ND	24.5	"	"	"	"	"	U
Selenium	0.746	0.245	"	"	"	"	"	
Silver	ND	0.754	"	"	"	"	"	U
Zinc	ND	349	"	"	"	"	"	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

GACO0512T080CRS007

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-08 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.43		0.0998	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.252	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	26.1		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	
Residual Range Organics (C28-C40)150			100	"	"	"	"	"	
Surrogate: o-Terphenyl	106 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	88.1 %			70-130		"	"	"	

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS007

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-08 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: 4-Bromofluorobenzene	102 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	6.54	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	4.65	0.823	"	"	"	"	"	
Sodium	1.28	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS007

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-08 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	94.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.2 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	97.1 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.92	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.540	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.52	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	5.70	0.260	mg/kg	10	B5E1305	05/13/2025	05/14/2025
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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

GACO0512T080CRS007

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	101	73.6	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Cadmium	ND	0.341	"	"	"	"	"	U
Copper	ND	41.3	"	"	"	"	"	U
Lead	27.3	12.6	"	"	"	"	"	
Nickel	ND	23.3	"	"	"	"	"	U
Selenium	0.502	0.233	"	"	"	"	"	
Silver	ND	0.718	"	"	"	"	"	U
Zinc	ND	332	"	"	"	"	"	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

GACO0512T080CRS008

5/12/2025 2:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-09 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.31		0.100	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	120 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS008

5/12/2025 2:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-09 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	88.3 %			70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	99.1 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.820	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS008

5/12/2025 2:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-09 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	96.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.7 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.18	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.334	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.623	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS008

5/12/2025 2:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-09 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.83	0.274	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	77.4	"	"	"	"	"	U
Cadmium	ND	0.359	"	"	"	"	"	U
Copper	ND	43.4	"	"	"	"	"	U
Lead	ND	13.2	"	"	"	"	"	U
Nickel	ND	24.5	"	"	"	"	"	U
Selenium	ND	0.245	"	"	"	"	"	U
Silver	ND	0.755	"	"	"	"	"	U
Zinc	ND	349	"	"	"	"	"	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

GACO0512T080CRS009

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-10 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.24		0.100	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.241	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	112 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS009

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-10 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	89.3 %		70-130	B5E1311	05/13/2025	05/13/2025
Surrogate: Toluene-d8	101 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.75	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025
Magnesium	2.42	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.021	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	0.021	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

GACO0512T080CRS009

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-10 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	0.049	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	0.035	0.020	"	"	"	"	"	
Surrogate: Fluorene-d10	102 %		60-130		"	"	"	
Surrogate: Anthracene-d10	95.2 %		60-130		"	"	"	
Surrogate: Pyrene-d10	97.4 %		60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %		60-130		"	"	"	

pH in Soil by 9045D

pH	7.62	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.259	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.906	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS009

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-10 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.79	0.275	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	77.6	"	"	"	"	"	U
Cadmium	ND	0.360	"	"	"	"	"	U
Copper	ND	43.5	"	"	"	"	"	U
Lead	ND	13.3	"	"	"	"	"	U
Nickel	ND	24.6	"	"	"	"	"	U
Selenium	ND	0.246	"	"	"	"	"	U
Silver	ND	0.757	"	"	"	"	"	U
Zinc	ND	350	"	"	"	"	"	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

GACO0512T080CRS010

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-11 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.985		0.0999	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.258	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	110 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS010

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-11 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	86.3 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	96.7 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.564	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS010**5/12/2025 2:30:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0412-11 (Soil)
Origins Laboratory****PAH by EPA 8270E extracted via 3580A**

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.2 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.95	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.901	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.714	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS010

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-11 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.39	0.257	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	72.7	"	"	"	"	"	U
Cadmium	ND	0.337	"	"	"	"	"	U
Copper	ND	40.8	"	"	"	"	"	U
Lead	ND	12.4	"	"	"	"	"	U
Nickel	ND	23.1	"	"	"	"	"	U
Selenium	ND	0.231	"	"	"	"	"	U
Silver	ND	0.710	"	"	"	"	"	U
Zinc	ND	328	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRT004

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-12 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT004

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-12 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT004

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-12 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT004

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-12 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	U
trans-1,2-Dichloroethene	ND		1.00	"	"	"	"	"	U
trans-1,3-Dichloropropene	ND		1.00	"	"	"	"	"	U
Trichloroethene	ND		1.00	"	"	"	"	"	U
Trichlorofluoromethane	ND		1.00	"	"	"	"	"	U
Vinyl chloride	ND		1.00	"	"	"	"	"	U
o-Xylene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	103 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.9 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			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

GACO0512T080CRS011

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-13 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.950		0.0993	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.242	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	64.6		25.0	mg/kg	1	B5E1302	05/13/2025	05/14/2025	
Residual Range Organics (C28-C40)228			100	"	"	"	"	"	
Surrogate: o-Terphenyl	%			50-150		"	"	"	U
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	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	97.3 %			70-130		"	"	"	

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS011

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-13 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	104 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: 4-Bromofluorobenzene	113 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.946	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.031	0.005	"	"	"	"	"	
Benzo (a) pyrene	0.030	0.020	"	"	"	"	"	
Benzo (b) fluoranthene	0.035	0.020	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	0.040	0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	0.055	0.020	"	"	"	"	"	

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

GACO0512T080CRS011

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-13 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	0.055	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	101 %	60-130	"	"	"	"	"	
Surrogate: Anthracene-d10	92.2 %	60-130	"	"	"	"	"	
Surrogate: Pyrene-d10	96.4 %	60-130	"	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"	"	"	

pH in Soil by 9045D

pH	7.29	pH Units	1	B5E1330	05/13/2025	05/14/2025	
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SAR by 20B Saturated Paste

SAR	0.170	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.268	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.80	0.280	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
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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

GACO0512T080CRS011

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-13 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	ND	79.2	mg/kg	10	B5E1305	05/13/2025	05/14/2025	U
Cadmium	1.24	0.367	"	"	"	"	"	
Copper	ND	44.4	"	"	"	"	"	U
Lead	70.7	13.5	"	"	"	"	"	
Nickel	ND	25.1	"	"	"	"	"	U
Selenium	0.266	0.251	"	"	"	"	"	
Silver	ND	0.773	"	"	"	"	"	U
Zinc	1050	357	"	"	"	"	"	

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

GACO0512T080CRS012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-14 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.919		0.100	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.252	mg/kg	1	B5E1325	05/13/2025	06/08/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	107 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-14 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	91.0 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	102 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.75	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	1.07	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-14 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	97.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.70	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.244	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.493	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-14 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.65	0.247	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	92.8	70.0	"	"	"	"	"	
Cadmium	ND	0.324	"	"	"	"	"	U
Copper	ND	39.3	"	"	"	"	"	U
Lead	ND	11.9	"	"	"	"	"	U
Nickel	ND	22.2	"	"	"	"	"	U
Selenium	ND	0.222	"	"	"	"	"	U
Silver	ND	0.683	"	"	"	"	"	U
Zinc	ND	316	"	"	"	"	"	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

GACO0512T080CRC012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-15 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.892		0.0997	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	114 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRC012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-15 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	89.5 %			70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	99.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.59	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	0.936	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRC012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-15 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	95.0 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.82	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.200	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.496	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRC012

5/12/2025 1:55:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-15 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.89	0.262	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	75.1	74.2	"	"	"	"	"	
Cadmium	ND	0.344	"	"	"	"	"	U
Copper	ND	41.6	"	"	"	"	"	U
Lead	ND	12.7	"	"	"	"	"	U
Nickel	ND	23.5	"	"	"	"	"	U
Selenium	ND	0.235	"	"	"	"	"	U
Silver	ND	0.724	"	"	"	"	"	U
Zinc	ND	335	"	"	"	"	"	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

GACO0512T080CRS013

5/12/2025 1:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-16 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.688		0.100	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.255	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	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	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS013

5/12/2025 1:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-16 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	89.7 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	98.9 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.792	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS013

5/12/2025 1:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-16 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	92.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.0 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.87	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.232	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.405	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS013

5/12/2025 1:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-16 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.94	0.280	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	79.3	79.1	"	"	"	"	"	
Cadmium	ND	0.367	"	"	"	"	"	U
Copper	ND	44.4	"	"	"	"	"	U
Lead	ND	13.5	"	"	"	"	"	U
Nickel	ND	25.1	"	"	"	"	"	U
Selenium	ND	0.251	"	"	"	"	"	U
Silver	ND	0.772	"	"	"	"	"	U
Zinc	ND	357	"	"	"	"	"	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

GACO0512T080CRS014

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-17 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.74		0.100	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.251	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	103 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	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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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS014

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-17 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	92.0 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	99.2 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.72	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	2.47	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS014

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-17 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	92.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.70	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.116	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.05	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS014

5/12/2025 2:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-17 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.40	0.279	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	78.9	"	"	"	"	"	U
Cadmium	ND	0.366	"	"	"	"	"	U
Copper	ND	44.3	"	"	"	"	"	U
Lead	ND	13.5	"	"	"	"	"	U
Nickel	ND	25.0	"	"	"	"	"	U
Selenium	ND	0.250	"	"	"	"	"	U
Silver	ND	0.770	"	"	"	"	"	U
Zinc	ND	356	"	"	"	"	"	U

Origins Laboratory

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS015

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-18 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.883		0.100	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.248	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	110 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS015

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-18 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	94.5 %		70-130	B5E1311	05/13/2025	05/13/2025
Surrogate: Toluene-d8	102 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	4.28	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025
Magnesium	2.87	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS015

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-18 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	94.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.48	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.171	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.33	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

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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

GACO0512T080CRS015

5/12/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-18 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.34	0.245	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	83.4	69.3	"	"	"	"	"	
Cadmium	ND	0.321	"	"	"	"	"	U
Copper	ND	38.9	"	"	"	"	"	U
Lead	12.9	11.8	"	"	"	"	"	
Nickel	ND	22.0	"	"	"	"	"	U
Selenium	ND	0.220	"	"	"	"	"	U
Silver	ND	0.676	"	"	"	"	"	U
Zinc	ND	313	"	"	"	"	"	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

GACO0512T080CRT007

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-19 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	U
1,1,1-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1,2,2-Tetrachloroethane	ND		1.00	"	"	"	"	"	U
1,1,2-Trichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,1-Dichloroethene	ND		1.00	"	"	"	"	"	U
1,1-Dichloropropene	ND		1.00	"	"	"	"	"	U
1,2,3-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,3-Trichloropropane	ND		5.00	"	"	"	"	"	U
1,2,4-Trichlorobenzene	ND		5.00	"	"	"	"	"	U
1,2,4-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,2-Dibromo-3-chloropropane	ND		5.00	"	"	"	"	"	U
1,2-Dibromoethane (EDB)	ND		1.50	"	"	"	"	"	U
1,2-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,2-Dichloroethane	ND		1.00	"	"	"	"	"	U
1,2-Dichloropropane	ND		1.00	"	"	"	"	"	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichlorobenzene	ND		1.00	"	"	"	"	"	U
1,3-Dichloropropane	ND		1.00	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRT007

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-19 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT007

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-19 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT007

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-19 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	U
trans-1,2-Dichloroethene	ND		1.00	"	"	"	"	"	U
trans-1,3-Dichloropropene	ND		1.00	"	"	"	"	"	U
Trichloroethene	ND		1.00	"	"	"	"	"	U
Trichlorofluoromethane	ND		1.00	"	"	"	"	"	U
Vinyl chloride	ND		1.00	"	"	"	"	"	U
o-Xylene	ND		1.00	"	"	"	"	"	U
m,p-Xylene	ND		2.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	103 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			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

GACO0512T080CRS016

5/12/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-20 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.352		0.0994	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.248	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	127 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.206		0.200	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	93.2 %			70-130		"	"	"	

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS016

5/12/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-20 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.9 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: 4-Bromofluorobenzene	106 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.72	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.04	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS016**5/12/2025 1:15:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0412-20 (Soil)
Origins Laboratory****PAH by EPA 8270E extracted via 3580A**

Fluorene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	104 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.0 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.98	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.829	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.487	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	4.35	0.256	mg/kg	10	B5E1305	05/13/2025	05/14/2025
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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

GACO0512T080CRS016

5/12/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-20 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	ND	72.3	mg/kg	10	B5E1305	05/13/2025	05/14/2025	U
Cadmium	ND	0.335	"	"	"	"	"	U
Copper	ND	40.6	"	"	"	"	"	U
Lead	ND	12.3	"	"	"	"	"	U
Nickel	ND	22.9	"	"	"	"	"	U
Selenium	ND	0.229	"	"	"	"	"	U
Silver	ND	0.705	"	"	"	"	"	U
Zinc	ND	326	"	"	"	"	"	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

GACO0512T080CRS017

5/12/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-21 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.437		0.0997	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.253	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	116 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS017

5/12/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-21 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	90.9 %			70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	98.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.09	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.24	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS017

5/12/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-21 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	94.5 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.03	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	1.08	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.434	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS017

5/12/2025 1:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-21 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.64	0.252	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	71.3	"	"	"	"	"	U
Cadmium	ND	0.330	"	"	"	"	"	U
Copper	ND	40.0	"	"	"	"	"	U
Lead	ND	12.2	"	"	"	"	"	U
Nickel	ND	22.6	"	"	"	"	"	U
Selenium	ND	0.226	"	"	"	"	"	U
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

GACO0512T080CRS018

5/12/2025 1:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-22 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.774		0.0996	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.245	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	112 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS018

5/12/2025 1:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-22 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	91.6 %		70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	97.1 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.25	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.02	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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

GACO0512T080CRS018

5/12/2025 1:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-22 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	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	95.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.7 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.96	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.867	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.414	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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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

GACO0512T080CRS018

5/12/2025 1:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-22 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.63	0.245	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	69.2	"	"	"	"	"	U
Cadmium	ND	0.321	"	"	"	"	"	U
Copper	ND	38.8	"	"	"	"	"	U
Lead	17.5	11.8	"	"	"	"	"	
Nickel	ND	21.9	"	"	"	"	"	U
Selenium	ND	0.219	"	"	"	"	"	U
Silver	ND	0.675	"	"	"	"	"	U
Zinc	ND	312	"	"	"	"	"	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

GACO0512T080CRS019

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-23 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.06		0.0999	mg/L	1	B5E1314	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.247	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1302	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	112 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1311	05/13/2025	05/13/2025	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



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS019

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-23 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	92.2 %			70-130		B5E1311	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	99.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.1 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.64	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS019

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-23 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1320	05/13/2025	05/13/2025	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.0 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.97	pH Units	1	B5E1330	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.235	0.0100	SAR	1	B5E1307	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.371	0.00500	mmhos/cm	1	B5E1330	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS019

5/12/2025 1:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-23 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.92	0.269	mg/kg	10	B5E1305	05/13/2025	05/14/2025	
Barium	ND	76.0	"	"	"	"	"	U
Cadmium	ND	0.352	"	"	"	"	"	U
Copper	ND	42.6	"	"	"	"	"	U
Lead	ND	13.0	"	"	"	"	"	U
Nickel	ND	24.1	"	"	"	"	"	U
Selenium	ND	0.241	"	"	"	"	"	U
Silver	ND	0.741	"	"	"	"	"	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

GACO0512T080CRS020

5/12/2025 1:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-24 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.187		0.0998	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	81.2		25.0	mg/kg	1	B5E1304	05/13/2025	05/13/2025	
Residual Range Organics (C28-C40)	178		100	"	"	"	"	"	
Surrogate: o-Terphenyl	90.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	0.00392		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	
1,3,5-Trimethylbenzene	0.00202		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	0.00588		0.00200	"	"	"	"	"	
Xylenes, total	0.00822		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %			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

GACO0512T080CRS020

5/12/2025 1:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-24 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.1 %		70-130		B5E1313	05/13/2025	05/13/2025	
Surrogate: 4-Bromofluorobenzene	94.8 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.67	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.05	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	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

GACO0512T080CRS020

5/12/2025 1:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-24 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	100 %	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	8.13	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	1.05	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.330	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	6.50	0.263	mg/kg	10	B5E1306	05/13/2025	05/14/2025
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Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS020

5/12/2025 1:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-24 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	77.6	74.3	mg/kg	10	B5E1306	05/13/2025	05/14/2025	
Cadmium	ND	0.345	"	"	"	"	"	U
Copper	ND	41.7	"	"	"	"	"	U
Lead	18.2	12.7	"	"	"	"	"	
Nickel	ND	23.6	"	"	"	"	"	U
Selenium	0.284	0.236	"	"	"	"	"	
Silver	ND	0.725	"	"	"	"	"	U
Zinc	ND	335	"	"	"	"	"	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

GACO0512T080CRS021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-25 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.278		0.100	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.250	mg/kg	1	B5E1325	05/13/2025	06/09/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	120		25.0	mg/kg	1	B5E1304	05/13/2025	05/13/2025	
Residual Range Organics (C28-C40)	210		100	"	"	"	"	"	
Surrogate: o-Terphenyl	83.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	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	0.00210		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %			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

GACO0512T080CRS021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-25 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.0 %		70-130		B5E1313	05/13/2025	05/13/2025	
Surrogate: 4-Bromofluorobenzene	95.5 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.11	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
2-Methylnaphthalene	0.002	0.002	"	"	"	"	"	
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

GACO0512T080CRS021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-25 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.6 %	60-130	"	"	"
Surrogate: Anthracene-d10	99.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	108 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	109 %	60-130	"	"	"

pH in Soil by 9045D

pH	6.98	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.319	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.296	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	5.68	0.257	mg/kg	10	B5E1306	05/13/2025	05/14/2025
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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

GACO0512T080CRS021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-25 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	86.4	72.7	mg/kg	10	B5E1306	05/13/2025	05/14/2025	
Cadmium	0.344	0.337	"	"	"	"	"	
Copper	ND	40.8	"	"	"	"	"	U
Lead	48.9	12.4	"	"	"	"	"	
Nickel	ND	23.1	"	"	"	"	"	U
Selenium	0.428	0.231	"	"	"	"	"	
Silver	ND	0.710	"	"	"	"	"	U
Zinc	ND	328	"	"	"	"	"	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

GACO0512T080CRC021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-26 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.196		0.100	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.250	mg/kg	1	B5E1329	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	53.5		25.0	mg/kg	1	B5E1304	05/13/2025	05/13/2025	
Residual Range Organics (C28-C40)160			100	"	"	"	"	"	
Surrogate: o-Terphenyl	115 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	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	109 %			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

GACO0512T080CRC021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-26 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.1 %		70-130		B5E1313	05/13/2025	05/13/2025	
Surrogate: 4-Bromofluorobenzene	94.1 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.46	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
2-Methylnaphthalene	0.002	0.002	"	"	"	"	"	
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.007	0.005	"	"	"	"	"	
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRC021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-26 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.8 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	109 %	60-130	"	"	"

pH in Soil by 9045D

pH	6.94	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.154	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.198	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	3.96	0.271	mg/kg	10	B5E1306	05/13/2025	05/14/2025
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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

GACO0512T080CRC021

5/12/2025 1:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-26 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	113	76.7	mg/kg	10	B5E1306	05/13/2025	05/14/2025	
Cadmium	ND	0.356	"	"	"	"	"	U
Copper	ND	43.0	"	"	"	"	"	U
Lead	55.8	13.1	"	"	"	"	"	
Nickel	ND	24.3	"	"	"	"	"	U
Selenium	0.294	0.243	"	"	"	"	"	
Silver	ND	0.749	"	"	"	"	"	U
Zinc	ND	346	"	"	"	"	"	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

GACO0512T080CRS022

5/12/2025 2:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-27 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.64		0.100	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.250	mg/kg	1	B5E1323	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	63.8		25.0	mg/kg	1	B5E1304	05/13/2025	05/13/2025	
Residual Range Organics (C28-C40) ²⁵⁶			100	"	"	"	"	"	
Surrogate: o-Terphenyl	80.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	

Origins Laboratory

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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

GACO0512T080CRS022

5/12/2025 2:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-27 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.6 %		70-130		B5E1313	05/13/2025	05/13/2025	
Surrogate: 4-Bromofluorobenzene	95.3 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.34	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	1.28	0.823	"	"	"	"	"	
Sodium	1.25	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	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

GACO0512T080CRS022**5/12/2025 2:00:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0412-27 (Soil)
Origins Laboratory****PAH by EPA 8270E extracted via 3580A**

Fluorene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.9 %	60-130	"	"	"
Surrogate: Anthracene-d10	99.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	107 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	107 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.36	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	1.09	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.745	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	3.69	0.244	mg/kg	10	B5E1306	05/13/2025	05/14/2025
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Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS022

5/12/2025 2:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-27 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	ND	69.0	mg/kg	10	B5E1306	05/13/2025	05/14/2025	U
Cadmium	0.368	0.320	"	"	"	"	"	
Copper	ND	38.7	"	"	"	"	"	U
Lead	31.9	11.8	"	"	"	"	"	
Nickel	ND	21.9	"	"	"	"	"	U
Selenium	ND	0.219	"	"	"	"	"	U
Silver	ND	0.673	"	"	"	"	"	U
Zinc	ND	311	"	"	"	"	"	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

GACO0512T080CRS023

5/12/2025 2:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-28 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.204		0.0997	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	0.361		0.246	mg/kg	1	B5E1329	05/13/2025	06/02/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1304	05/13/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	89.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	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	103 %			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

GACO0512T080CRS023

5/12/2025 2:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-28 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.0 %		70-130	B5E1313	05/13/2025	05/13/2025
Surrogate: 4-Bromofluorobenzene	94.1 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.08	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

Origins Laboratory

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

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

GACO0512T080CRS023**5/12/2025 2:10:00PM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0412-28 (Soil)
Origins Laboratory****PAH by EPA 8270E extracted via 3580A**

Fluorene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.3 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	108 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.20	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.184	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.208	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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Table 915 metals by EPA 6020B

Arsenic	2.07	0.261	mg/kg	10	B5E1306	05/13/2025	05/14/2025
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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

GACO0512T080CRS023

5/12/2025 2:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-28 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Barium	ND	73.9	mg/kg	10	B5E1306	05/13/2025	05/14/2025	U
Cadmium	ND	0.343	"	"	"	"	"	U
Copper	ND	41.5	"	"	"	"	"	U
Lead	ND	12.6	"	"	"	"	"	U
Nickel	ND	23.4	"	"	"	"	"	U
Selenium	ND	0.234	"	"	"	"	"	U
Silver	ND	0.721	"	"	"	"	"	U
Zinc	ND	334	"	"	"	"	"	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

GACO0512T080CRS024

5/12/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-29 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.636		0.100	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.259	mg/kg	1	B5E1329	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1304	05/13/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	82.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS024

5/12/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-29 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	108 %		70-130		B5E1313	05/13/2025	05/13/2025	
Surrogate: Toluene-d8	97.3 %		70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.1 %		70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	3.11	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	1.28	0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS024

5/12/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-29 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	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	100 %	60-130	"	"	"
Surrogate: Pyrene-d10	110 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	111 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.19	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.919	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.605	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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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

GACO0512T080CRS024

5/12/2025 2:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-29 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	7.06	0.258	mg/kg	10	B5E1306	05/13/2025	05/14/2025	
Barium	82.7	73.0	"	"	"	"	"	
Cadmium	ND	0.338	"	"	"	"	"	U
Copper	ND	40.9	"	"	"	"	"	U
Lead	25.6	12.5	"	"	"	"	"	
Nickel	ND	23.1	"	"	"	"	"	U
Selenium	0.376	0.231	"	"	"	"	"	
Silver	ND	0.712	"	"	"	"	"	U
Zinc	ND	329	"	"	"	"	"	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

GACO0512T080CRS025

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-30 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.430		0.0996	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.248	mg/kg	1	B5E1329	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1304	05/13/2025	05/14/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	81.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS025

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-30 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	109 %		70-130	B5E1313	05/13/2025	05/13/2025
Surrogate: Toluene-d8	97.9 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	94.6 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	3.45	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.31	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	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

GACO0512T080CRS025

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-30 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	113 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.14	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.919	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.561	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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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

GACO0512T080CRS025

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-30 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	5.81	0.275	mg/kg	10	B5E1306	05/13/2025	05/14/2025	
Barium	ND	77.7	"	"	"	"	"	U
Cadmium	ND	0.360	"	"	"	"	"	U
Copper	ND	43.6	"	"	"	"	"	U
Lead	17.8	13.3	"	"	"	"	"	
Nickel	ND	24.6	"	"	"	"	"	U
Selenium	ND	0.246	"	"	"	"	"	U
Silver	ND	0.758	"	"	"	"	"	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

GACO0512T080CRS026

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-31 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.0995	mg/L	1	B5E1315	05/13/2025	05/15/2025	U
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1329	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1304	05/13/2025	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	B5E1313	05/13/2025	05/13/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0512T080CRS026

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-31 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	107 %		70-130	B5E1313	05/13/2025	05/13/2025
Surrogate: Toluene-d8	97.5 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	93.8 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.02	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.19	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	U
2-Methylnaphthalene	0.006	0.002	"	"	"	"	"	
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

GACO0512T080CRS026

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-31 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	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	110 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	110 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.70	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	1.44	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.305	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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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

GACO0512T080CRS026

5/12/2025 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-31 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	6.43	0.272	mg/kg	10	B5E1306	05/13/2025	05/14/2025	
Barium	77.8	76.9	"	"	"	"	"	
Cadmium	ND	0.356	"	"	"	"	"	U
Copper	ND	43.1	"	"	"	"	"	U
Lead	22.7	13.1	"	"	"	"	"	
Nickel	ND	24.4	"	"	"	"	"	U
Selenium	ND	0.244	"	"	"	"	"	U
Silver	ND	0.750	"	"	"	"	"	U
Zinc	ND	347	"	"	"	"	"	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

GACO0512T080CRS027

5/12/2025 2:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-32 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.44		0.100	mg/L	1	B5E1315	05/13/2025	05/15/2025	
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.254	mg/kg	1	B5E1329	05/13/2025	06/02/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E1304	05/13/2025	05/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	77.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E1313	05/13/2025	05/13/2025	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

GACO0512T080CRS027

5/12/2025 2:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-32 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130	B5E1313	05/13/2025	05/13/2025
Surrogate: Toluene-d8	98.6 %		70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	93.8 %		70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.59	0.499	meq/L	10	[CALC]	05/13/2025	05/14/2025
Magnesium	1.37	0.823	"	"	"	"	"
Sodium	1.15	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5E1321	05/13/2025	05/13/2025	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

GACO0512T080CRS027

5/12/2025 2:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-32 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B5E1321	05/13/2025	05/13/2025	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	98.0 %	60-130	"	"	"
Surrogate: Anthracene-d10	99.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.03	pH Units	1	B5E1331	05/13/2025	05/14/2025
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SAR by 20B Saturated Paste

SAR	0.820	0.0100	SAR	1	B5E1308	05/13/2025	05/14/2025
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.871	0.00500	mmhos/cm	1	B5E1331	05/13/2025	05/14/2025
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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

GACO0512T080CRS027

5/12/2025 2:40:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0412-32 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	7.88	0.277	mg/kg	10	B5E1306	05/13/2025	05/14/2025	
Barium	ND	78.5	"	"	"	"	"	U
Cadmium	ND	0.364	"	"	"	"	"	U
Copper	ND	44.0	"	"	"	"	"	U
Lead	27.1	13.4	"	"	"	"	"	
Nickel	ND	24.9	"	"	"	"	"	U
Selenium	0.347	0.249	"	"	"	"	"	
Silver	ND	0.765	"	"	"	"	"	U
Zinc	ND	354	"	"	"	"	"	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

GACO0512T080CRT009

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-33 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT009

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-33 (Water) Origins Laboratory									
VOC by EPA 8260D									
1,4-Dichlorobenzene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT009

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-33 (Water) Origins Laboratory									
VOC by EPA 8260D									
Chloroform	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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

GACO0512T080CRT009

5/12/2025 7:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0412-33 (Water) Origins Laboratory									
VOC by EPA 8260D									
Toluene	ND		1.00	ug/L	1	B5E1322	05/13/2025	05/13/2025	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	96.7 %			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

*** 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 B5E1323 - EPA 3060A

Blank (B5E1323-BLK1)

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	ND	0.250	mg/kg							U
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LCS (B5E1323-BS1)

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	2.42	0.250	mg/kg	2.50		96.8	80-120			
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Matrix Spike (B5E1323-MS1)

Source: E5E0374-07

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	1.87	0.247	mg/kg	2.47	ND	75.6	75-125			
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Matrix Spike (B5E1323-MS2)

Source: E5E0374-07

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	200	25.6	mg/kg	263	ND	76.2	75-125			
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Matrix Spike Dup (B5E1323-MSD1)

Source: E5E0374-07

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	1.42	0.251	mg/kg	2.51	ND	56.6	75-125	27.2	200	QM-07
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Post Spike (B5E1323-PS1)

Source: E5E0374-07

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	49.4		ug/L	50.0	0.00	98.8	80-120			
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Batch B5E1325 - EPA 3060A

Blank (B5E1325-BLK1)

Prepared: 05/13/2025 Analyzed: 06/10/2025

Hexavalent Chromium	ND	0.250	mg/kg							U
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LCS (B5E1325-BS1)

Prepared: 05/13/2025 Analyzed: 06/08/2025

Hexavalent Chromium	2.28	0.250	mg/kg	2.50		91.1	80-120			
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Matrix Spike (B5E1325-MS1)

Source: E5E0412-04

Prepared: 05/13/2025 Analyzed: 06/08/2025

Hexavalent Chromium	1.04	0.257	mg/kg	2.57	0.0711	37.7	75-125			QM-07
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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

*** 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 B5E1325 - EPA 3060A

Matrix Spike (B5E1325-MS2)

Source: E5E0412-04

Prepared: 05/13/2025 Analyzed: 06/08/2025

Hexavalent Chromium	226	24.6	mg/kg	273	ND	82.6	75-125			
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Matrix Spike Dup (B5E1325-MSD1)

Source: E5E0412-04

Prepared: 05/13/2025 Analyzed: 06/08/2025

Hexavalent Chromium	1.20	0.258	mg/kg	2.58	0.0711	43.9	75-125	14.4	200	QM-07
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Post Spike (B5E1325-PS1)

Source: E5E0412-04

Prepared: 05/13/2025 Analyzed: 06/08/2025

Hexavalent Chromium	51.4		ug/L	50.0	1.40	100	80-120			
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Batch B5E1329 - EPA 3060A

Blank (B5E1329-BLK1)

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	ND	0.250	mg/kg							U
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LCS (B5E1329-BS1)

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	2.59	0.250	mg/kg	2.50		104	80-120			
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Matrix Spike (B5E1329-MS1)

Source: E5E0412-26

Prepared: 05/13/2025 Analyzed: 06/02/2025

QM-14

Hexavalent Chromium	0.943	0.249	mg/kg	2.49	ND	37.8	75-125			
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Matrix Spike (B5E1329-MS2)

Source: E5E0412-26

Prepared: 05/13/2025 Analyzed: 06/02/2025

QM-14

Hexavalent Chromium	168	25.2	mg/kg	288	ND	58.5	75-125			
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Matrix Spike Dup (B5E1329-MSD1)

Source: E5E0412-26

Prepared: 05/13/2025 Analyzed: 06/02/2025

QM-14

Hexavalent Chromium	0.0728	0.253	mg/kg	2.53	ND	2.88	75-125	171	200	U
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Post Spike (B5E1329-PS1)

Source: E5E0412-26

Prepared: 05/13/2025 Analyzed: 06/02/2025

Hexavalent Chromium	52.7		ug/L	50.0	0.630	104	80-120			
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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

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 B5E1307 - Saturated Paste Metals**Blank (B5E1307-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/14/2025

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 (B5E1307-DUP1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/14/2025

SAR	ND	0.0100	SAR	0.191				200		U
Calcium PPM	30.7	10.0	mg/L	33.4				8.58	50	
Magnesium PPM	10.4	10.0	"	11.6				10.9	50	
Sodium PPM	4.28	10.0	"	5.03				16.1	50	U

Batch B5E1308 - Saturated Paste Metals**Blank (B5E1308-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/14/2025

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

Duplicate (B5E1308-DUP1)**Source: E5E0196-01**

Prepared: 05/13/2025 Analyzed: 05/14/2025

Calcium PPM	37.5	10.0	mg/L	40.9				8.47	50	
SAR	ND	0.0100	SAR	1.15					200	U
Magnesium PPM	8.11	10.0	mg/L	8.75				7.59	50	U
Sodium PPM	30.5	10.0	"	30.9				1.27	50	

Batch B5E1314 - DTPA Sorbitol Preparation**Blank (B5E1314-BLK1)**

Prepared: 05/13/2025 Analyzed: 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

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 B5E1314 - DTPA Sorbitol Preparation**Blank (B5E1314-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/15/2025

Boron	ND	0.100	mg/L							U
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Duplicate (B5E1314-DUP1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/15/2025

Boron	0.964	0.0996	mg/L		0.960			0.377	50	
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Batch B5E1315 - DTPA Sorbitol Preparation**Blank (B5E1315-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/15/2025

Boron	ND	0.100	mg/L							U
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Duplicate (B5E1315-DUP1)**Source: E5E0356-02**

Prepared: 05/13/2025 Analyzed: 05/15/2025

Boron	0.664	0.100	mg/L		0.687			3.34	50	
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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 B5E1320 - EPA 3580**Blank (B5E1320-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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		101	60-130			
Surrogate: Anthracene-d10	190		"	200		95.2	60-130			
Surrogate: Pyrene-d10	200		"	200		98.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B5E1320-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

1-Methylnaphthalene	0.172	0.002	mg/kg	0.200		85.8	70-130
2-Methylnaphthalene	0.170	0.002	"	0.200		85.1	70-130
Acenaphthene	0.184	0.020	"	0.200		91.8	70-130
Anthracene	0.176	0.020	"	0.200		88.2	70-130

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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1320 - EPA 3580**LCS (B5E1320-BS1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Benzo (a) anthracene	0.224	0.005	mg/kg	0.200		112	70-130
Benzo (a) pyrene	0.214	0.020	"	0.200		107	70-130
Benzo (b) fluoranthene	0.216	0.020	"	0.200		108	70-130
Benzo (g,h,i) perylene	0.188	0.020	"	0.200		93.8	70-130
Benzo (k) fluoranthene	0.195	0.020	"	0.200		97.5	70-130
Chrysene	0.188	0.020	"	0.200		94.1	70-130
Dibenz (a,h) anthracene	0.225	0.020	"	0.200		113	70-130
Fluoranthene	0.198	0.020	"	0.200		98.8	70-130
Fluorene	0.184	0.020	"	0.200		91.9	70-130
Indeno (1,2,3-cd) pyrene	0.209	0.020	"	0.200		104	70-130
Naphthalene	0.184	0.002	"	0.200		91.9	70-130
Phenanthrene	0.187	0.020	"	0.200		93.5	70-130
Pyrene	0.193	0.020	"	0.200		96.5	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130
Surrogate: Anthracene-d10	190		"	200		95.3	60-130
Surrogate: Pyrene-d10	190		"	200		96.2	60-130
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130

Matrix Spike (B5E1320-MS1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1-Methylnaphthalene	0.181	0.002	mg/kg	0.200	ND	90.7	70-130
2-Methylnaphthalene	0.179	0.002	"	0.200	ND	89.7	70-130
Acenaphthene	0.195	0.020	"	0.200	0.0003	97.3	70-130
Anthracene	0.193	0.020	"	0.200	0.0009	96.0	70-130
Benzo (a) anthracene	0.227	0.005	"	0.200	ND	114	70-130
Benzo (a) pyrene	0.214	0.020	"	0.200	0.001	106	70-130
Benzo (b) fluoranthene	0.232	0.020	"	0.200	0.002	115	70-130
Benzo (g,h,i) perylene	0.192	0.020	"	0.200	0.002	95.0	70-130

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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 B5E1320 - EPA 3580**Matrix Spike (B5E1320-MS1)****Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Benzo (k) fluoranthene	0.205	0.020	mg/kg	0.200	0.0007	102	70-130			
Chrysene	0.204	0.020	"	0.200	0.003	101	70-130			
Dibenz (a,h) anthracene	0.228	0.020	"	0.200	0.0005	114	70-130			
Fluoranthene	0.209	0.020	"	0.200	0.0008	104	70-130			
Fluorene	0.197	0.020	"	0.200	ND	98.5	70-130			
Indeno (1,2,3-cd) pyrene	0.208	0.020	"	0.200	0.002	103	70-130			
Naphthalene	0.194	0.002	"	0.200	ND	96.9	70-130			
Phenanthrene	0.199	0.020	"	0.200	ND	99.3	70-130			
Pyrene	0.204	0.020	"	0.200	ND	102	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		94.4	60-130			
Surrogate: Pyrene-d10	190		"	200		96.4	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike Dup (B5E1320-MSD1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1-Methylnaphthalene	0.183	0.002	mg/kg	0.200	ND	91.5	70-130	0.898	20	
2-Methylnaphthalene	0.185	0.002	"	0.200	ND	92.3	70-130	2.83	20	
Acenaphthene	0.197	0.020	"	0.200	0.0003	98.4	70-130	1.16	20	
Anthracene	0.196	0.020	"	0.200	0.0009	97.3	70-130	1.40	20	
Benzo (a) anthracene	0.230	0.005	"	0.200	ND	115	70-130	0.957	20	
Benzo (a) pyrene	0.218	0.020	"	0.200	0.001	108	70-130	1.85	20	
Benzo (b) fluoranthene	0.232	0.020	"	0.200	0.002	115	70-130	0.175	20	
Benzo (g,h,i) perylene	0.193	0.020	"	0.200	0.002	95.8	70-130	0.831	20	
Benzo (k) fluoranthene	0.206	0.020	"	0.200	0.0007	103	70-130	0.643	20	
Chrysene	0.202	0.020	"	0.200	0.003	99.7	70-130	0.774	20	
Dibenz (a,h) anthracene	0.232	0.020	"	0.200	0.0005	116	70-130	1.60	20	
Fluoranthene	0.207	0.020	"	0.200	0.0008	103	70-130	0.750	20	

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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 B5E1320 - EPA 3580**Matrix Spike Dup (B5E1320-MSD1)****Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Fluorene	0.197	0.020	mg/kg	0.200	ND	98.4	70-130	0.0236	20	
Indeno (1,2,3-cd) pyrene	0.222	0.020	"	0.200	0.002	110	70-130	6.57	20	
Naphthalene	0.197	0.002	"	0.200	ND	98.5	70-130	1.59	20	
Phenanthrene	0.202	0.020	"	0.200	ND	101	70-130	1.81	20	
Pyrene	0.203	0.020	"	0.200	ND	102	70-130	0.185	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		93.9	60-130			
Surrogate: Pyrene-d10	190		"	200		96.4	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Batch B5E1321 - EPA 3580**Blank (B5E1321-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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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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 B5E1321 - EPA 3580**Blank (B5E1321-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Naphthalene	ND	0.002	mg/kg							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	220		"	200		112	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	60-130			

LCS (B5E1321-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

1-Methylnaphthalene	0.196	0.002	mg/kg	0.200		98.2	70-130			
2-Methylnaphthalene	0.193	0.002	"	0.200		96.6	70-130			
Acenaphthene	0.215	0.020	"	0.200		107	70-130			
Anthracene	0.213	0.020	"	0.200		106	70-130			
Benzo (a) anthracene	0.228	0.005	"	0.200		114	70-130			
Benzo (a) pyrene	0.239	0.020	"	0.200		119	70-130			
Benzo (b) fluoranthene	0.227	0.020	"	0.200		114	70-130			
Benzo (g,h,i) perylene	0.226	0.020	"	0.200		113	70-130			
Benzo (k) fluoranthene	0.225	0.020	"	0.200		113	70-130			
Chrysene	0.221	0.020	"	0.200		110	70-130			
Dibenz (a,h) anthracene	0.224	0.020	"	0.200		112	70-130			
Fluoranthene	0.233	0.020	"	0.200		116	70-130			
Fluorene	0.202	0.020	"	0.200		101	70-130			
Indeno (1,2,3-cd) pyrene	0.232	0.020	"	0.200		116	70-130			
Naphthalene	0.204	0.002	"	0.200		102	70-130			
Phenanthrene	0.214	0.020	"	0.200		107	70-130			
Pyrene	0.235	0.020	"	0.200		118	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.6	60-130			

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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 B5E1321 - EPA 3580**LCS (B5E1321-BS1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Surrogate: Anthracene-d10	200		ug/kg	200		101	60-130
Surrogate: Pyrene-d10	210		"	200		107	60-130
Surrogate: Benzo (a) pyrene-d12	220		"	200		109	60-130

Matrix Spike (B5E1321-MS1)**Source: E5E0412-24**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	0.0007	94.5	70-130
2-Methylnaphthalene	0.191	0.002	"	0.200	ND	95.6	70-130
Acenaphthene	0.209	0.020	"	0.200	0.001	104	70-130
Anthracene	0.202	0.020	"	0.200	0.001	100	70-130
Benzo (a) anthracene	0.221	0.005	"	0.200	0.003	109	70-130
Benzo (a) pyrene	0.236	0.020	"	0.200	0.003	117	70-130
Benzo (b) fluoranthene	0.233	0.020	"	0.200	0.005	114	70-130
Benzo (g,h,i) perylene	0.227	0.020	"	0.200	0.004	112	70-130
Benzo (k) fluoranthene	0.228	0.020	"	0.200	0.002	113	70-130
Chrysene	0.213	0.020	"	0.200	0.005	104	70-130
Dibenz (a,h) anthracene	0.223	0.020	"	0.200	0.002	111	70-130
Fluoranthene	0.233	0.020	"	0.200	0.004	114	70-130
Fluorene	0.202	0.020	"	0.200	0.0006	101	70-130
Indeno (1,2,3-cd) pyrene	0.225	0.020	"	0.200	0.003	111	70-130
Naphthalene	0.200	0.002	"	0.200	ND	99.9	70-130
Phenanthrene	0.210	0.020	"	0.200	0.002	104	70-130
Pyrene	0.235	0.020	"	0.200	0.004	115	70-130

Surrogate: Fluorene-d10	200		ug/kg	200		100	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 Dup (B5E1321-MSD1)**Source: E5E0412-24**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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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 B5E1321 - EPA 3580										
1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	0.0007	94.7	70-130	0.175	20	
2-Methylnaphthalene	0.188	0.002	"	0.200	ND	93.8	70-130	1.91	20	
Acenaphthene	0.211	0.020	"	0.200	0.001	105	70-130	1.17	20	
Anthracene	0.207	0.020	"	0.200	0.001	103	70-130	2.33	20	
Benzo (a) anthracene	0.223	0.005	"	0.200	0.003	110	70-130	0.724	20	
Benzo (a) pyrene	0.235	0.020	"	0.200	0.003	116	70-130	0.263	20	
Benzo (b) fluoranthene	0.232	0.020	"	0.200	0.005	113	70-130	0.356	20	
Benzo (g,h,i) perylene	0.219	0.020	"	0.200	0.004	108	70-130	3.63	20	
Benzo (k) fluoranthene	0.229	0.020	"	0.200	0.002	113	70-130	0.589	20	
Chrysene	0.219	0.020	"	0.200	0.005	107	70-130	2.80	20	
Dibenz (a,h) anthracene	0.220	0.020	"	0.200	0.002	109	70-130	1.66	20	
Fluoranthene	0.232	0.020	"	0.200	0.004	114	70-130	0.384	20	
Fluorene	0.199	0.020	"	0.200	0.0006	99.1	70-130	1.69	20	
Indeno (1,2,3-cd) pyrene	0.237	0.020	"	0.200	0.003	117	70-130	5.24	20	
Naphthalene	0.194	0.002	"	0.200	ND	97.2	70-130	2.74	20	
Phenanthrene	0.207	0.020	"	0.200	0.002	102	70-130	1.43	20	
Pyrene	0.233	0.020	"	0.200	0.004	114	70-130	0.824	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		99.6	60-130			
Surrogate: Pyrene-d10	220		"	200		109	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	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 B5E1302 - EPA 3550B**Blank (B5E1302-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	27		"	24.9		110	50-150			

LCS (B5E1302-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

Diesel (C10-C28)	982	50.0	mg/kg	1000		98.2	70-130			
Residual Range Organics (C28-C40)	904	200	"	1000		90.4	70-130			
Surrogate: o-Terphenyl	55		"	49.8		111	50-150			

Matrix Spike (B5E1302-MS1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Diesel (C10-C28)	929	50.0	mg/kg	1000	ND	92.9	70-130			
Residual Range Organics (C28-C40)	915	200	"	1000	ND	91.5	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Matrix Spike Dup (B5E1302-MSD1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Diesel (C10-C28)	997	50.0	mg/kg	1000	ND	99.7	70-130	6.96	35	
Residual Range Organics (C28-C40)	943	200	"	1000	ND	94.3	70-130	2.98	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

Batch B5E1304 - EPA 3550B**Blank (B5E1304-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.1	50-150			

LCS (B5E1304-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

Diesel (C10-C28)	1060	50.0	mg/kg	1000		106	70-130			
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Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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 B5E1304 - EPA 3550B										
LCS (B5E1304-BS1)					Prepared: 05/13/2025 Analyzed: 05/13/2025					
Residual Range Organics (C28-C40)	1030	200	mg/kg	1000		103	70-130			
Surrogate: o-Terphenyl	42		"	49.8		84.2	50-150			
Matrix Spike (B5E1304-MS1)					Source: E5E0412-24 Prepared: 05/13/2025 Analyzed: 05/13/2025					
Diesel (C10-C28)	1220	50.0	mg/kg	1000	81.2	114	70-130			
Residual Range Organics (C28-C40)	1290	200	"	1000	178	111	70-130			
Surrogate: o-Terphenyl	45		"	49.8		90.6	50-150			
Matrix Spike Dup (B5E1304-MSD1)					Source: E5E0412-24 Prepared: 05/13/2025 Analyzed: 05/13/2025					
Diesel (C10-C28)	1270	50.0	mg/kg	1000	81.2	119	70-130	3.82	35	
Residual Range Organics (C28-C40)	1400	200	"	1000	178	123	70-130	8.30	35	
Surrogate: o-Terphenyl	44		"	49.8		89.0	50-150			

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1305 - EPA 3050B**Blank (B5E1305-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/14/2025

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 (B5E1305-BS1)

Prepared: 05/13/2025 Analyzed: 05/14/2025

Arsenic	5.41	0.290	mg/kg	5.00		108	80-120			
Barium	524	82.0	"	500		105	80-120			
Cadmium	5.34	0.380	"	5.00		107	80-120			
Copper	52.9	46.0	"	50.0		106	80-120			
Lead	5.23	14.0	"	5.00		105	80-120			U
Nickel	5.54	26.0	"	5.00		111	80-120			U
Selenium	4.99	0.260	"	5.00		99.8	80-120			
Silver	5.56	0.800	"	5.00		111	80-120			
Zinc	52.0	370	"	50.0		104	80-120			U

Matrix Spike (B5E1305-MS1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/14/2025

Arsenic	9.72	0.269	mg/kg	4.63	3.21	141	75-125			QM-07
Barium	560	76.0	"	463	74.7	105	75-125			
Cadmium	5.04	0.352	"	4.63	0.192	105	75-125			
Copper	62.2	42.6	"	46.3	9.54	114	75-125			
Lead	13.2	13.0	"	4.63	6.82	139	75-125			QM-07

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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 B5E1305 - EPA 3050B**Matrix Spike (B5E1305-MS1)****Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/14/2025

Nickel	13.7	24.1	mg/kg	4.63	7.65	131	75-125			QM-07, U
Selenium	4.75	0.241	"	4.63	0.205	98.0	75-125			
Silver	5.00	0.741	"	4.63	0.0323	107	75-125			
Zinc	101	343	"	46.3	45.9	119	75-125			U

Matrix Spike Dup (B5E1305-MSD1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/14/2025

Arsenic	12.9	0.252	mg/kg	4.34	3.21	223	75-125	28.2	20	QM-07, QR-DUP
Barium	555	71.2	"	434	74.7	111	75-125	0.814	20	
Cadmium	4.95	0.330	"	4.34	0.192	110	75-125	1.80	20	
Copper	61.1	39.9	"	43.4	9.54	119	75-125	1.77	20	
Lead	11.6	12.2	"	4.34	6.82	109	75-125	13.7	20	U
Nickel	14.2	22.6	"	4.34	7.65	151	75-125	3.51	20	QM-07, U
Selenium	5.75	0.226	"	4.34	0.205	128	75-125	19.1	20	QM-07
Silver	4.81	0.695	"	4.34	0.0323	110	75-125	3.82	20	
Zinc	102	321	"	43.4	45.9	130	75-125	1.33	20	QM-07, U

Batch B5E1306 - EPA 3050B**Blank (B5E1306-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/14/2025

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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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 B5E1306 - EPA 3050B**Blank (B5E1306-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/14/2025

Selenium	ND	0.260	mg/kg							U
Silver	ND	0.800	"							U
Zinc	ND	370	"							U

LCS (B5E1306-BS1)

Prepared: 05/13/2025 Analyzed: 05/14/2025

Arsenic	4.97	0.290	mg/kg	5.00		99.4	80-120			
Barium	533	82.0	"	500		107	80-120			
Cadmium	5.32	0.380	"	5.00		106	80-120			
Copper	51.2	46.0	"	50.0		102	80-120			
Lead	5.29	14.0	"	5.00		106	80-120			U
Nickel	5.66	26.0	"	5.00		113	80-120			U
Selenium	5.34	0.260	"	5.00		107	80-120			
Silver	5.48	0.800	"	5.00		110	80-120			
Zinc	49.9	370	"	50.0		99.8	80-120			U

Matrix Spike (B5E1306-MS1)**Source: E5E0412-24**

Prepared: 05/13/2025 Analyzed: 05/14/2025

Arsenic	9.02	0.267	mg/kg	4.60	6.50	54.8	75-125			QM-07
Barium	597	75.4	"	460	77.6	113	75-125			
Cadmium	5.38	0.349	"	4.60	0.259	111	75-125			
Copper	63.3	42.3	"	46.0	11.2	113	75-125			
Lead	23.1	12.9	"	4.60	18.2	106	75-125			
Nickel	12.9	23.9	"	4.60	8.01	106	75-125			U
Selenium	5.09	0.239	"	4.60	0.284	104	75-125			
Silver	5.36	0.736	"	4.60	0.0662	115	75-125			
Zinc	124	340	"	46.0	75.5	106	75-125			U

Matrix Spike Dup (B5E1306-MSD1)**Source: E5E0412-24**

Prepared: 05/13/2025 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

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 B5E1306 - EPA 3050B**Matrix Spike Dup (B5E1306-MSD1)****Source: E5E0412-24**

Prepared: 05/13/2025 Analyzed: 05/14/2025

Arsenic	9.06	0.265	mg/kg	4.57	6.50	55.9	75-125	0.407	20	QM-07
Barium	568	75.0	"	457	77.6	107	75-125	5.00	20	
Cadmium	4.99	0.347	"	4.57	0.259	103	75-125	7.64	20	
Copper	61.4	42.0	"	45.7	11.2	110	75-125	3.08	20	
Lead	23.0	12.8	"	4.57	18.2	104	75-125	0.627	20	
Nickel	12.4	23.8	"	4.57	8.01	95.7	75-125	3.90	20	U
Selenium	5.08	0.238	"	4.57	0.284	105	75-125	0.226	20	
Silver	4.98	0.731	"	4.57	0.0662	108	75-125	7.26	20	
Zinc	122	338	"	45.7	75.5	102	75-125	1.51	20	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

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 B5E1330 - Saturated Paste pH/EC

Blank (B5E1330-BLK1)

Prepared: 05/13/2025 Analyzed: 05/14/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5E1330-DUP1)

Source: E5E0412-04

Prepared: 05/13/2025 Analyzed: 05/14/2025

pH	7.89		pH Units	7.96		0.883	25
Specific Conductance (EC)	0.611	0.00500	mmhos/cm	0.549		10.7	25

Batch B5E1331 - Saturated Paste pH/EC

Blank (B5E1331-BLK1)

Prepared: 05/13/2025 Analyzed: 05/14/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5E1331-DUP1)

Source: E5E0196-01

Prepared: 05/13/2025 Analyzed: 05/14/2025

pH	8.24		pH Units	8.24		0.00	25
Specific Conductance (EC)	0.520	0.00500	mmhos/cm	0.535		2.79	25

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1311 - EPA 5030 (soil)**Blank (B5E1311-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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	0.098		"	0.125		78.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.5	70-130			

LCS (B5E1311-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,2,4-Trimethylbenzene	0.114	0.00200	mg/kg	0.100		114	70-130			
1,3,5-Trimethylbenzene	0.112	0.00200	"	0.100		112	70-130			
Benzene	0.0968	0.00200	"	0.100		96.8	70-130			
Ethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Naphthalene	0.0890	0.00380	"	0.100		89.0	70-130			
Toluene	0.0985	0.00200	"	0.100		98.5	70-130			
o-Xylene	0.109	0.00200	"	0.100		109	70-130			
m,p-Xylene	0.221	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.097		"	0.125		77.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.0	70-130			

Matrix Spike (B5E1311-MS1)

Source: E5E0412-04

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,2,4-Trimethylbenzene	0.0957	0.00200	mg/kg	0.100	ND	95.7	70-130			
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Jen Pellegrini For Jordan A. Bynon, Project Manager



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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1311 - EPA 5030 (soil)**Matrix Spike (B5E1311-MS1)****Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,3,5-Trimethylbenzene	0.0954	0.00200	mg/kg	0.100	ND	95.4	70-130			
Benzene	0.0868	0.00200	"	0.100	ND	86.8	70-130			
Ethylbenzene	0.0967	0.00200	"	0.100	ND	96.7	70-130			
Naphthalene	0.0741	0.00380	"	0.100	ND	74.1	70-130			
Toluene	0.0852	0.00200	"	0.100	ND	85.2	70-130			
o-Xylene	0.0983	0.00200	"	0.100	ND	98.3	70-130			
m,p-Xylene	0.196	0.00400	"	0.200	ND	98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		80.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.7	70-130			

Matrix Spike Dup (B5E1311-MSD1)**Source: E5E0412-04**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,2,4-Trimethylbenzene	0.136	0.00200	mg/kg	0.100	ND	136	70-130	34.7	20	QM-07
1,3,5-Trimethylbenzene	0.136	0.00200	"	0.100	ND	136	70-130	35.3	20	QM-07
Benzene	0.125	0.00200	"	0.100	ND	125	70-130	35.8	20	QR-02
Ethylbenzene	0.139	0.00200	"	0.100	ND	139	70-130	35.7	20	QM-07
Naphthalene	0.121	0.00380	"	0.100	ND	121	70-130	47.7	20	QR-02
Toluene	0.124	0.00200	"	0.100	ND	124	70-130	37.0	20	QR-02
o-Xylene	0.142	0.00200	"	0.100	ND	142	70-130	36.2	20	QM-07
m,p-Xylene	0.283	0.00400	"	0.200	ND	142	70-130	36.2	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		81.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

Batch B5E1313 - EPA 5030 (soil)**Blank (B5E1313-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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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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 B5E1313 - EPA 5030 (soil)**Blank (B5E1313-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.8	70-130			

LCS (B5E1313-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

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	0.0967	0.00200	"	0.100		96.7	70-130			
Ethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Naphthalene	0.0993	0.00380	"	0.100		99.3	70-130			
Toluene	0.0944	0.00200	"	0.100		94.4	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.213	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Matrix Spike (B5E1313-MS1)**Source: E5E0412-24**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,2,4-Trimethylbenzene	0.0582	0.00200	mg/kg	0.100	0.00392	54.2	70-130			QM-07
1,3,5-Trimethylbenzene	0.0587	0.00200	"	0.100	0.00202	56.7	70-130			QM-07

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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 B5E1313 - EPA 5030 (soil)**Matrix Spike (B5E1313-MS1)****Source: E5E0412-24**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Benzene	0.0718	0.00200	mg/kg	0.100	ND	71.8	70-130			
Ethylbenzene	0.0669	0.00200	"	0.100	0.00132	65.6	70-130			QM-07
Naphthalene	0.0460	0.00380	"	0.100	0.00158	44.4	70-130			QM-07
Toluene	0.0655	0.00200	"	0.100	0.00588	59.6	70-130			QM-07
o-Xylene	0.0662	0.00200	"	0.100	0.00208	64.1	70-130			QM-07
m,p-Xylene	0.133	0.00400	"	0.200	0.00614	63.5	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Matrix Spike Dup (B5E1313-MSD1)**Source: E5E0412-24**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,2,4-Trimethylbenzene	0.0623	0.00200	mg/kg	0.100	0.00392	58.3	70-130	6.81	20	QM-07
1,3,5-Trimethylbenzene	0.0630	0.00200	"	0.100	0.00202	61.0	70-130	7.10	20	QM-07
Benzene	0.0765	0.00200	"	0.100	ND	76.5	70-130	6.34	20	
Ethylbenzene	0.0716	0.00200	"	0.100	0.00132	70.3	70-130	6.70	20	
Naphthalene	0.0522	0.00380	"	0.100	0.00158	50.6	70-130	12.7	20	QM-07
Toluene	0.0699	0.00200	"	0.100	0.00588	64.0	70-130	6.56	20	QM-07
o-Xylene	0.0708	0.00200	"	0.100	0.00208	68.7	70-130	6.72	20	QM-07
m,p-Xylene	0.142	0.00400	"	0.200	0.00614	68.0	70-130	6.53	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Batch B5E1322 - EPA 5030B (Water)**Blank (B5E1322-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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

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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 B5E1322 - EPA 5030B (Water)**Blank (B5E1322-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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 B5E1322 - EPA 5030B (Water)

Blank (B5E1322-BLK1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

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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5120 North Shore Drive

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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 B5E1322 - EPA 5030B (Water)**Blank (B5E1322-BLK1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

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	65		"	62.5		105	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

LCS (B5E1322-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,1,1,2-Tetrachloroethane	48.9	1.00	ug/L	50.0		97.8	70-130
1,1,1-Trichloroethane	44.8	1.00	"	50.0		89.7	70-130
1,1,2,2-Tetrachloroethane	51.3	1.00	"	50.0		103	70-130
1,1,2-Trichloroethane	49.0	1.00	"	50.0		97.9	70-130
1,1-Dichloroethane	46.1	1.00	"	50.0		92.3	70-130
1,1-Dichloroethene	44.8	1.00	"	50.0		89.6	70-130
1,1-Dichloropropene	47.1	1.00	"	50.0		94.2	70-130
1,2,3-Trichlorobenzene	55.1	5.00	"	50.0		110	70-130
1,2,3-Trichloropropane	47.5	5.00	"	50.0		95.1	70-130
1,2,4-Trichlorobenzene	54.6	5.00	"	50.0		109	70-130
1,2,4-Trimethylbenzene	51.6	1.00	"	50.0		103	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 B5E1322 - EPA 5030B (Water)**LCS (B5E1322-BS1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,2-Dibromo-3-chloropropane	46.4	5.00	ug/L	50.0		92.8	70-130			
1,2-Dibromoethane (EDB)	49.2	1.50	"	50.0		98.3	70-130			
1,2-Dichlorobenzene	48.6	1.00	"	50.0		97.3	70-130			
1,2-Dichloroethane	50.7	1.00	"	50.0		101	70-130			
1,2-Dichloropropane	45.9	1.00	"	50.0		91.8	70-130			
1,3,5-Trimethylbenzene	51.1	1.00	"	50.0		102	70-130			
1,3-Dichlorobenzene	50.6	1.00	"	50.0		101	70-130			
1,3-Dichloropropane	48.8	1.00	"	50.0		97.6	70-130			
1,4-Dichlorobenzene	49.0	1.00	"	50.0		98.0	70-130			
2,2-Dichloropropane	43.3	1.00	"	50.0		86.5	70-130			
2-Butanone	245	5.00	"	250		97.9	70-130			
2-Chlorotoluene	49.7	1.00	"	50.0		99.4	70-130			
2-Hexanone	238	6.00	"	250		95.4	70-130			
4-Chlorotoluene	51.4	1.00	"	50.0		103	70-130			
4-Isopropyltoluene	51.0	1.00	"	50.0		102	70-130			
4-Methyl-2-pentanone	253	5.00	"	250		101	70-130			
Acetone	243	8.00	"	250		97.4	70-130			
Benzene	47.0	1.00	"	50.0		93.9	70-130			
Bromobenzene	50.0	1.00	"	50.0		100	70-130			
Bromochloromethane	47.2	1.00	"	50.0		94.4	70-130			
Bromodichloromethane	48.4	1.00	"	50.0		96.8	70-130			
Bromoform	50.0	1.00	"	50.0		100	70-130			
Bromomethane	41.9	1.00	"	50.0		83.8	70-130			
Carbon disulfide	43.5	5.00	"	50.0		87.0	70-130			
Carbon tetrachloride	41.9	1.00	"	50.0		83.8	70-130			
Chlorobenzene	46.2	1.00	"	50.0		92.3	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 B5E1322 - EPA 5030B (Water)

LCS (B5E1322-BS1)

Prepared: 05/13/2025 Analyzed: 05/13/2025

Chloroethane	41.2	1.00	ug/L	50.0		82.5	70-130			
Chloroform	49.6	1.00	"	50.0		99.3	70-130			
Chloromethane	38.5	1.00	"	50.0		77.0	70-130			
cis-1,2-Dichloroethene	46.8	1.00	"	50.0		93.6	70-130			
cis-1,3-Dichloropropene	48.0	1.00	"	50.0		96.0	70-130			
Dibromochloromethane	49.8	1.00	"	50.0		99.6	70-130			
Dibromomethane	47.4	1.00	"	50.0		94.8	70-130			
Ethylbenzene	49.4	1.00	"	50.0		98.8	70-130			
Hexachlorobutadiene	54.7	5.00	"	50.0		109	70-130			
Iodomethane	43.8	10.0	"	50.0		87.6	70-130			
Isopropylbenzene	49.6	1.00	"	50.0		99.1	70-130			
Methylene Chloride	46.1	15.0	"	50.0		92.2	70-130			
Methyl tert-Butyl Ether	40.4	1.00	"	50.0		80.8	70-130			
Naphthalene	52.9	4.00	"	50.0		106	70-130			
n-Butylbenzene	53.7	1.00	"	50.0		107	70-130			
n-Propylbenzene	50.9	1.00	"	50.0		102	70-130			
sec-Butylbenzene	51.1	1.00	"	50.0		102	70-130			
Styrene	50.0	1.00	"	50.0		100	70-130			
tert-Butylbenzene	51.0	1.00	"	50.0		102	70-130			
Tetrachloroethene	47.3	1.00	"	50.0		94.7	70-130			
Toluene	47.0	1.00	"	50.0		94.0	70-130			
trans-1,2-Dichloroethene	46.3	1.00	"	50.0		92.6	70-130			
trans-1,3-Dichloropropene	47.8	1.00	"	50.0		95.7	70-130			
Trichloroethene	47.0	1.00	"	50.0		94.0	70-130			
Trichlorofluoromethane	43.2	1.00	"	50.0		86.4	70-130			
Vinyl chloride	40.4	1.00	"	50.0		80.9	70-130			

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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 B5E1322 - EPA 5030B (Water)**LCS (B5E1322-BS1)**

Prepared: 05/13/2025 Analyzed: 05/13/2025

o-Xylene	49.8	1.00	ug/L	50.0		99.5	70-130			
m,p-Xylene	97.8	2.00	"	100		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Matrix Spike (B5E1322-MS1)**Source: E5E0412-06**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,1,1,2-Tetrachloroethane	49.6	1.00	ug/L	50.0	ND	99.1	70-130			
1,1,1-Trichloroethane	46.7	1.00	"	50.0	ND	93.4	70-130			
1,1,2,2-Tetrachloroethane	45.7	1.00	"	50.0	ND	91.5	70-130			
1,1,2-Trichloroethane	44.5	1.00	"	50.0	ND	89.1	70-130			
1,1-Dichloroethane	46.3	1.00	"	50.0	ND	92.5	70-130			
1,1-Dichloroethene	45.1	1.00	"	50.0	ND	90.2	70-130			
1,1-Dichloropropene	48.1	1.00	"	50.0	ND	96.2	70-130			
1,2,3-Trichlorobenzene	52.2	5.00	"	50.0	ND	104	70-130			
1,2,3-Trichloropropane	41.7	5.00	"	50.0	ND	83.4	70-130			
1,2,4-Trichlorobenzene	53.0	5.00	"	50.0	ND	106	70-130			
1,2,4-Trimethylbenzene	53.6	1.00	"	50.0	ND	107	70-130			
1,2-Dibromo-3-chloropropane	44.1	5.00	"	50.0	ND	88.2	70-130			
1,2-Dibromoethane (EDB)	44.8	1.50	"	50.0	ND	89.7	70-130			
1,2-Dichlorobenzene	48.0	1.00	"	50.0	ND	96.0	70-130			
1,2-Dichloroethane	45.8	1.00	"	50.0	ND	91.6	70-130			
1,2-Dichloropropane	43.3	1.00	"	50.0	ND	86.6	70-130			
1,3,5-Trimethylbenzene	54.5	1.00	"	50.0	ND	109	70-130			
1,3-Dichlorobenzene	51.1	1.00	"	50.0	ND	102	70-130			
1,3-Dichloropropane	44.3	1.00	"	50.0	ND	88.7	70-130			
1,4-Dichlorobenzene	49.0	1.00	"	50.0	ND	98.1	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 B5E1322 - EPA 5030B (Water)**Matrix Spike (B5E1322-MS1)****Source: E5E0412-06**

Prepared: 05/13/2025 Analyzed: 05/13/2025

2,2-Dichloropropane	45.3	1.00	ug/L	50.0	ND	90.6	70-130
2-Butanone	192	5.00	"	250	ND	76.7	70-130
2-Chlorotoluene	52.2	1.00	"	50.0	ND	104	70-130
2-Hexanone	193	6.00	"	250	ND	77.1	70-130
4-Chlorotoluene	52.8	1.00	"	50.0	ND	106	70-130
4-Isopropyltoluene	54.7	1.00	"	50.0	ND	109	70-130
4-Methyl-2-pentanone	210	5.00	"	250	ND	84.2	70-130
Acetone	193	8.00	"	250	ND	77.3	70-130
Benzene	46.8	1.00	"	50.0	ND	93.7	70-130
Bromobenzene	49.2	1.00	"	50.0	ND	98.5	70-130
Bromochloromethane	44.3	1.00	"	50.0	ND	88.6	70-130
Bromodichloromethane	46.1	1.00	"	50.0	ND	92.2	70-130
Bromoform	47.8	1.00	"	50.0	ND	95.6	70-130
Bromomethane	42.4	1.00	"	50.0	ND	84.8	70-130
Carbon disulfide	43.6	5.00	"	50.0	ND	87.3	70-130
Carbon tetrachloride	44.7	1.00	"	50.0	ND	89.4	70-130
Chlorobenzene	46.6	1.00	"	50.0	ND	93.2	70-130
Chloroethane	41.9	1.00	"	50.0	ND	83.8	70-130
Chloroform	46.5	1.00	"	50.0	ND	92.9	70-130
Chloromethane	38.4	1.00	"	50.0	ND	76.8	70-130
cis-1,2-Dichloroethene	46.6	1.00	"	50.0	ND	93.1	70-130
cis-1,3-Dichloropropene	45.6	1.00	"	50.0	ND	91.3	70-130
Dibromochloromethane	47.4	1.00	"	50.0	ND	94.7	70-130
Dibromomethane	42.8	1.00	"	50.0	ND	85.5	70-130
Ethylbenzene	51.7	1.00	"	50.0	ND	103	70-130
Hexachlorobutadiene	58.5	5.00	"	50.0	ND	117	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 B5E1322 - EPA 5030B (Water)**Matrix Spike (B5E1322-MS1)****Source: E5E0412-06**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Iodomethane	43.5	10.0	ug/L	50.0	ND	87.1	70-130			
Isopropylbenzene	53.0	1.00	"	50.0	ND	106	70-130			
Methylene Chloride	44.3	15.0	"	50.0	ND	88.6	70-130			
Methyl tert-Butyl Ether	34.4	1.00	"	50.0	ND	68.9	70-130			QM-10
Naphthalene	47.4	4.00	"	50.0	ND	94.8	70-130			
n-Butylbenzene	58.0	1.00	"	50.0	ND	116	70-130			
n-Propylbenzene	54.1	1.00	"	50.0	ND	108	70-130			
sec-Butylbenzene	54.8	1.00	"	50.0	ND	110	70-130			
Styrene	50.4	1.00	"	50.0	ND	101	70-130			
tert-Butylbenzene	53.5	1.00	"	50.0	ND	107	70-130			
Tetrachloroethene	50.0	1.00	"	50.0	ND	99.9	70-130			
Toluene	48.4	1.00	"	50.0	ND	96.8	70-130			
trans-1,2-Dichloroethene	46.6	1.00	"	50.0	ND	93.1	70-130			
trans-1,3-Dichloropropene	44.4	1.00	"	50.0	ND	88.8	70-130			
Trichloroethene	47.4	1.00	"	50.0	ND	94.7	70-130			
Trichlorofluoromethane	45.8	1.00	"	50.0	ND	91.6	70-130			
Vinyl chloride	41.6	1.00	"	50.0	ND	83.3	70-130			
o-Xylene	51.7	1.00	"	50.0	ND	103	70-130			
m,p-Xylene	102	2.00	"	100	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.0	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Matrix Spike Dup (B5E1322-MSD1)**Source: E5E0412-06**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,1,1,2-Tetrachloroethane	48.4	1.00	ug/L	50.0	ND	96.8	70-130	2.41	20	
1,1,1-Trichloroethane	45.0	1.00	"	50.0	ND	90.0	70-130	3.66	20	
1,1,2,2-Tetrachloroethane	48.7	1.00	"	50.0	ND	97.4	70-130	6.29	20	

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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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 B5E1322 - EPA 5030B (Water)**Matrix Spike Dup (B5E1322-MSD1)****Source: E5E0412-06**

Prepared: 05/13/2025 Analyzed: 05/13/2025

1,1,2-Trichloroethane	45.1	1.00	ug/L	50.0	ND	90.2	70-130	1.29	20	
1,1-Dichloroethane	44.1	1.00	"	50.0	ND	88.2	70-130	4.80	20	
1,1-Dichloroethene	43.5	1.00	"	50.0	ND	87.0	70-130	3.63	20	
1,1-Dichloropropene	45.4	1.00	"	50.0	ND	90.8	70-130	5.73	20	
1,2,3-Trichlorobenzene	51.3	5.00	"	50.0	ND	103	70-130	1.74	20	
1,2,3-Trichloropropane	44.6	5.00	"	50.0	ND	89.1	70-130	6.66	20	
1,2,4-Trichlorobenzene	52.4	5.00	"	50.0	ND	105	70-130	1.33	20	
1,2,4-Trimethylbenzene	50.5	1.00	"	50.0	ND	101	70-130	5.86	20	
1,2-Dibromo-3-chloropropane	47.2	5.00	"	50.0	ND	94.4	70-130	6.86	20	
1,2-Dibromoethane (EDB)	45.3	1.50	"	50.0	ND	90.6	70-130	1.06	20	
1,2-Dichlorobenzene	46.7	1.00	"	50.0	ND	93.4	70-130	2.72	20	
1,2-Dichloroethane	47.0	1.00	"	50.0	ND	94.0	70-130	2.61	20	
1,2-Dichloropropane	42.9	1.00	"	50.0	ND	85.7	70-130	0.952	20	
1,3,5-Trimethylbenzene	50.7	1.00	"	50.0	ND	101	70-130	7.17	20	
1,3-Dichlorobenzene	48.8	1.00	"	50.0	ND	97.7	70-130	4.60	20	
1,3-Dichloropropane	44.4	1.00	"	50.0	ND	88.8	70-130	0.0902	20	
1,4-Dichlorobenzene	46.9	1.00	"	50.0	ND	93.8	70-130	4.42	20	
2,2-Dichloropropane	44.7	1.00	"	50.0	ND	89.5	70-130	1.27	20	
2-Butanone	215	5.00	"	250	ND	86.0	70-130	11.5	20	
2-Chlorotoluene	48.8	1.00	"	50.0	ND	97.5	70-130	6.80	20	
2-Hexanone	215	6.00	"	250	ND	86.0	70-130	10.9	20	
4-Chlorotoluene	50.1	1.00	"	50.0	ND	100	70-130	5.17	20	
4-Isopropyltoluene	50.8	1.00	"	50.0	ND	102	70-130	7.53	20	
4-Methyl-2-pentanone	228	5.00	"	250	ND	91.1	70-130	7.89	20	
Acetone	198	8.00	"	250	ND	79.1	70-130	2.21	20	
Benzene	45.0	1.00	"	50.0	ND	89.9	70-130	4.10	20	

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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1322 - EPA 5030B (Water)**Matrix Spike Dup (B5E1322-MSD1)****Source: E5E0412-06**

Prepared: 05/13/2025 Analyzed: 05/13/2025

Bromobenzene	47.7	1.00	ug/L	50.0	ND	95.4	70-130	3.18	20	
Bromochloromethane	44.9	1.00	"	50.0	ND	89.8	70-130	1.30	20	
Bromodichloromethane	46.2	1.00	"	50.0	ND	92.4	70-130	0.217	20	
Bromoform	49.3	1.00	"	50.0	ND	98.7	70-130	3.13	20	
Bromomethane	43.2	1.00	"	50.0	ND	86.4	70-130	1.96	20	
Carbon disulfide	42.3	5.00	"	50.0	ND	84.6	70-130	3.16	20	
Carbon tetrachloride	46.6	1.00	"	50.0	ND	93.2	70-130	4.14	20	
Chlorobenzene	44.7	1.00	"	50.0	ND	89.4	70-130	4.23	20	
Chloroethane	42.6	1.00	"	50.0	ND	85.1	70-130	1.61	20	
Chloroform	44.8	1.00	"	50.0	ND	89.6	70-130	3.68	20	
Chloromethane	39.3	1.00	"	50.0	ND	78.6	70-130	2.32	20	
cis-1,2-Dichloroethene	44.6	1.00	"	50.0	ND	89.2	70-130	4.32	20	
cis-1,3-Dichloropropene	44.0	1.00	"	50.0	ND	87.9	70-130	3.75	20	
Dibromochloromethane	47.5	1.00	"	50.0	ND	94.9	70-130	0.232	20	
Dibromomethane	44.8	1.00	"	50.0	ND	89.6	70-130	4.66	20	
Ethylbenzene	48.5	1.00	"	50.0	ND	97.0	70-130	6.39	20	
Hexachlorobutadiene	52.6	5.00	"	50.0	ND	105	70-130	10.6	20	
Iodomethane	42.4	10.0	"	50.0	ND	84.8	70-130	2.61	20	
Isopropylbenzene	49.5	1.00	"	50.0	ND	99.0	70-130	6.79	20	
Methylene Chloride	43.3	15.0	"	50.0	ND	86.7	70-130	2.24	20	
Methyl tert-Butyl Ether	37.4	1.00	"	50.0	ND	74.8	70-130	8.19	20	
Naphthalene	49.2	4.00	"	50.0	ND	98.4	70-130	3.73	20	
n-Butylbenzene	53.3	1.00	"	50.0	ND	107	70-130	8.42	20	
n-Propylbenzene	50.0	1.00	"	50.0	ND	100	70-130	7.74	20	
sec-Butylbenzene	50.9	1.00	"	50.0	ND	102	70-130	7.38	20	
Styrene	48.1	1.00	"	50.0	ND	96.1	70-130	4.73	20	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E1322 - EPA 5030B (Water)

Matrix Spike Dup (B5E1322-MSD1)

Source: E5E0412-06

Prepared: 05/13/2025 Analyzed: 05/13/2025

tert-Butylbenzene	49.8	1.00	ug/L	50.0	ND	99.7	70-130	7.08	20	
Tetrachloroethene	46.5	1.00	"	50.0	ND	93.0	70-130	7.22	20	
Toluene	45.2	1.00	"	50.0	ND	90.5	70-130	6.79	20	
trans-1,2-Dichloroethene	44.4	1.00	"	50.0	ND	88.8	70-130	4.77	20	
trans-1,3-Dichloropropene	44.8	1.00	"	50.0	ND	89.7	70-130	0.986	20	
Trichloroethene	45.6	1.00	"	50.0	ND	91.2	70-130	3.81	20	
Trichlorofluoromethane	46.0	1.00	"	50.0	ND	92.0	70-130	0.479	20	
Vinyl chloride	43.0	1.00	"	50.0	ND	86.0	70-130	3.19	20	
o-Xylene	48.8	1.00	"	50.0	ND	97.7	70-130	5.75	20	
m,p-Xylene	96.6	2.00	"	100	ND	96.6	70-130	5.61	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	70-130			

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Kyle Lawrence

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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-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

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

QM-10 LCS/LCSD were analyzed in place of MS/MSD.

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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