



CTEH

Kyle Lawrence

5120 North Shore Drive

North Little Rock AR 72118

June 11, 2025

Project Name - PROJ-054017

Project Number - PROJ-054017

Attached are your analytical results for PROJ-054017 received by Origins Laboratory May 22, 2025. This project is associated with Origins project number E5E0780-01.

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
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Project Number: PROJ-054017

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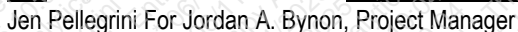
CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GACO0521T157S001	E5E0780-01	Soil	May 21, 2025 15:30	05/22/2025 07:45

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



ORIGINS LABORATORY

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Sample Receipt Checklist

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

Origins Work Order: E5C0780

Client: CTEH

Client Project ID: PROJ-054017

Checklist Completed by: NKM/

Shipped Via: HD

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

Date/time completed: 05/22/25

Airbill #: N/A

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

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 1 / 0.9 °C

Thermometer ID: T-007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH ≤ 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

05/22/25
Date/Time Reviewed

Origins Laboratory

Jen Pellegrini

Jen Pellegrini For Jordan A. Bynon, Project Manager

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GACO0521T157S001

5/21/2025 3:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0780-01 (Soil) Enthalpy Analytical									
Chromium Hexavalent by EPA 7199									
Chromium, Hexavalent	ND		0.19	mg/kg	1	BIF0044	06/02/2025	06/05/2025	

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Chromium Hexavalent by EPA 7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIF0044 - No Prep IC-WET										
Blank (BIF0044-BLK1)					Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
LCS (BIF0044-BS1)					Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	0.05	0.005	mg/kg	0.0500		97.8	80-120			
LCS (BIF0044-BS2)					Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	7.26	1.00	mg/kg	9.21		78.8	80-120			
Matrix Spike (BIF0044-MS1)					Source: 25E2438-11 Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	1.23	0.21	mg/kg	2.05	ND	59.9	75-125			M
Matrix Spike Dup (BIF0044-MSD1)					Source: 25E2438-11 Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	0.66	0.21	mg/kg	2.06	ND	31.9	75-125	60.7	20	M, P

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Notes and Definitions

P Duplicate analysis does not meet the acceptance criteria for precision

M Matrix spike recovery is outside established acceptance limits

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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