



**CTEH**

**Kyle Lawrence**

**5120 North Shore Drive**

**North Little RockAR 72118**

**June 06, 2025**

**Project Name - PROJ-054017**

**Project Number - PROJ-054017**

Attached are your analytical results for PROJ-054017 received by Origins Laboratory May 16, 2025. This project is associated with Origins project number E5E0541-01.

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
GACO0515T086-1S001	E5E0541-01	Soil	May 15, 2025 10:25	05/16/2025 07:30

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager



Project: PROJ-054017

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Lab No:		Page:   of		Standard:	5 Day:	3 Day:	Custom TAT:
ASAP				2 Day:	1 Day:		
<b>Enthalpy Analytical - Denver</b> 1725 W. Elk Place, Denver, CO 80211 Phone: 303-433-1332		<b>Matrix:</b> A = Air S = Soil/Solid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other		<b>Sample Type:</b> = Composite G = Grab or Discrete B = Blank O = Other		<b>Preservatives:</b> 0 = none 1 = Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other	
<b>Sample Receipt Temp and Notes:</b> 9.4 1000 (lab use only)							
<b>CUSTOMER INFORMATION</b>		<b>PROJECT INFORMATION</b>		<b>Analysis Request</b>		<b>Test Instructions / Comments</b>	
<b>Company:</b> CTEH	<b>Name:</b> PRD-054017 Bishop Loss of Containment						
<b>Report To:</b> Cherono Bishop, Kyle Lawrence, Eric Collins, Andrew Hirsaut, Tami McMillin, Maladya Chikerman	<b>Number:</b>						
<b>Email:</b> cherono.bishop@cteh.com, kyle.lawrence@cteh.com, andrew.hirsaut@cteh.com, tami.mcmillin@cteh.com, maladya.chikerman@cteh.com	<b>P.O. #:</b>						
<b>Address:</b> 5120 Northshore Dr, North Little Rock, AR 72118	<b>Address:</b>						
<b>Phone:</b>	<b>Site Name:</b>						
<b>Phone:</b>	<b>Global ID:</b>						
<b>Shipping Instruction:</b> ctehab@montrose-env.com	<b>Sampled By:</b> Lomo Flors						
<b>Sample ID</b>	<b>Sampling Date</b>	<b>Sampling Time (24 hr)</b>	<b>Matrix</b>	<b>Sample Type</b>	<b>Pres.</b>	<b>Cont. No.</b>	<b>Cont. Size</b>
1	5/15/2025	10:25 S		G	0	1	4 oz RF
2							
3							
4							
5							
6							
7							
8							
9							
10							
<b>Relinquished By:</b> <u>Dunn</u>		<b>Signature:</b>		<b>Print Name:</b> Lomo Flors		<b>Company / Title:</b> CTEH	
<b>Received By:</b>		<b>Signature:</b>		<b>Print Name:</b> JNA		<b>Company / Title:</b> CTEH	
<b>Relinquished By:</b>		<b>Signature:</b>		<b>Print Name:</b>		<b>Company / Title:</b>	
<b>Received By:</b>		<b>Signature:</b>		<b>Print Name:</b>		<b>Company / Title:</b>	
<b>Relinquished By:</b>		<b>Signature:</b>		<b>Print Name:</b>		<b>Company / Title:</b>	
<b>Received By:</b>		<b>Signature:</b>		<b>Print Name:</b>		<b>Company / Title:</b>	

## Origins Laboratory

Jeze Pellegri

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Jen Pellegrini For Jordan A. Bynon, Project Manager



# ORIGINS

LABORATORY

CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: ESE0541

Client: CTEH

Client Project ID: PROJ-054017

Checklist Completed by: JAB/JAR

Shipped Via: HD

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

Date/time completed: 5/16/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): 9

Soil/Solid

Water

Other:

(Describe)

Cooler Number/Temperature: 1/54 °C

Thermometer ID: T007

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

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

Reviewed by (Project Manager) JAB

Date/Time Reviewed 5/16/25

Origins Laboratory

*Jen Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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Project Number: PROJ-054017

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GACO0515T086-1S001

5/15/2025 10:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0541-01 (Soil) Origins Laboratory									
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.251	mg/kg	1	B5E1921	05/19/2025	06/05/2025	U

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5E1921 - EPA 3060A										
Blank (B5E1921-BLK1)					Prepared: 05/19/2025 Analyzed: 06/04/2025					
Hexavalent Chromium	ND	0.250	mg/kg							U
LCS (B5E1921-BS1)					Prepared: 05/19/2025 Analyzed: 06/04/2025					
Hexavalent Chromium	2.44	0.250	mg/kg	2.50		97.7	80-120			
Matrix Spike (B5E1921-MS1)					Source: E5E0600-01 Prepared: 05/19/2025 Analyzed: 06/05/2025					
Hexavalent Chromium	1.55	0.246	mg/kg	2.46	0.0498	61.0	75-125			QM-07
Matrix Spike (B5E1921-MS2)					Source: E5E0600-01 Prepared: 05/19/2025 Analyzed: 06/04/2025					
Hexavalent Chromium	205	25.3	mg/kg	286	ND	71.7	75-125			QM-07
Matrix Spike Dup (B5E1921-MSD1)					Source: E5E0600-01 Prepared: 05/19/2025 Analyzed: 06/05/2025					
Hexavalent Chromium	1.98	0.257	mg/kg	2.57	0.0498	75.0	75-125	24.6	200	
Post Spike (B5E1921-PS1)					Source: E5E0600-01 Prepared: 05/19/2025 Analyzed: 06/04/2025					
Hexavalent Chromium	49.6		ug/L	50.0	0.963	97.3	80-120			

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### Notes and Definitions

U Sample is Non-Detect.

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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