



**CTEH**

**June 11, 2025**

**Kyle Lawrence**

**5120 North Shore Drive**

**North Little Rock AR 72118**

**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 E5E0770-01.

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
GACO0521T144S001	E5E0770-01	Soil	May 21, 2025 9:30	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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CUSTOMER INFORMATION		PROJECT INFORMATION		ANALYSIS REQUEST		TEST INSTRUCTIONS / COMMENTS																																																																																							
<b>Enthalpy Analytical - Denver</b> 1775 W. Elk Place, Denver, CO 80211 Phone 303-433-3322		Name: PROJ-054017 Description: Dishpan Loss of Containment		Sample Type: 1 = None 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other		Standard: 5 Day: 1 Day: 3 Day: ASAP																																																																																							
<b>Enthalpy Analytical - Denver</b> Lab No: <b>ES60710</b> Page: 1 of 1		Matrix: A = Air S = Solid DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other		Preservatives: 0 = none 1 = H <sub>2</sub> SO <sub>4</sub> 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other		Sample Receipt Temp and Notes: 0°C Ice ✓																																																																																							
<b>CUSTOMER INFORMATION</b> Company: CTEH Report To: Health Team/Health, Safety/Environment Email: <a href="mailto:HealthSafety@enthalpy.com">HealthSafety@enthalpy.com</a> Address: 5120 North Shore Dr, North Little Rock, AR 72118 Phone: Site Name: Phone: Global ID: Billing Instruction: <a href="mailto:cteh@montrose-env.com">cteh@montrose-env.com</a>		<b>PROJECT INFORMATION</b> Name: PROJ-054017 Number: P.O. #: Address: Galen, CO Site Name: Global ID: Sampled By: Matthew Beck		<b>ANALYSIS REQUEST</b> Chromium VI MS/MSD		<b>TEST INSTRUCTIONS / COMMENTS</b>																																																																																							
<table border="1"> <thead> <tr> <th>Sample ID</th> <th>Sampling Date</th> <th>Sampling Time (24 hr)</th> <th>Sample Type</th> <th>Pres.</th> <th>Cont. No.</th> <th>Cont. Size</th> <th>Cont. Initials</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5/21/2025</td> <td>9:30S</td> <td>G</td> <td>0</td> <td>1</td> <td>4 oz</td> <td>MB</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	Sampling Date	Sampling Time (24 hr)	Sample Type	Pres.	Cont. No.	Cont. Size	Cont. Initials	1	5/21/2025	9:30S	G	0	1	4 oz	MB	2								3								4								5								6								7								8								9								10								Signature: _____ Print Name: Matthew Beck Company/Title: CTEH Date/Time: 05/21/25 / BCB		Received By: _____ Date/Time: 05/21/25 07:45	
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**Sample Receipt Checklist**

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

Origins Work Order: ESE0770

Client: CTEH

Client Project ID: PROJ-054017

Checklist Completed by: NKM/omc

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:

Cooler Number/Temperature: 1 / 0.9 °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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analyses or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO <sub>3</sub> , HCl, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

05/22/25  
 Date/Time Reviewed

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**GACO0521T144S001**  
**5/21/2025 9:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0770-01 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>Chromium Hexavalent by EPA 7199</b>									
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
<b>Batch BIF0044 - No Prep IC-WET</b>										
<b>Blank (BIF0044-BLK1)</b>					Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
<b>LCS (BIF0044-BS1)</b>					Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	0.05	0.005	mg/kg	0.0500		97.8	80-120			
<b>LCS (BIF0044-BS2)</b>					Prepared: 06/02/2025 Analyzed: 06/05/2025					
Chromium, Hexavalent	7.26	1.00	mg/kg	9.21		78.8	80-120			
<b>Matrix Spike (BIF0044-MS1)</b>					Prepared: 06/02/2025 Analyzed: 06/05/2025					
		<b>Source: 25E2438-11</b>								
Chromium, Hexavalent	1.23	0.21	mg/kg	2.05	ND	59.9	75-125			M
<b>Matrix Spike Dup (BIF0044-MSD1)</b>					Prepared: 06/02/2025 Analyzed: 06/05/2025					
		<b>Source: 25E2438-11</b>								
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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