



**CTEH**

**Kyle Lawrence**

**5120 North Shore Drive**

**North Little Rock AR 72118**

**June 12, 2025**

**Project Name - PROJ-054017**

**Project Number - PROJ-054017**

Attached are your analytical results for PROJ-054017 received by Origins Laboratory May 25, 2025. This project is associated with Origins project number E5E0903-01.

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
GACO0523T119S001	E5E0903-01	Soil	May 23, 2025 9:00	05/25/2025 08:00

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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.



# ORIGINS LABORATORY

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Project Number: PROJ-054017

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ENTHALPY ANALYTICAL		Lab No. _____		Page 1 of 1		Turn Around Time (not by advanced notice only)	
Enthalpy Analytical - Denver		Matrix: A=Air S=Solid W=Water		Sample Type: _____		Preservatives: 0=none 1=H2SO4 2=HCl 3=HNO3 4=H2O2	
Client: _____		OW=Drinking Water P=Product O=Oil C=Composite		SO=Soilment I=Issue W=Wipe		6=Gravel Discard 3=HNO3 4=H2O2	
REF: _____		WW=Watermeter K=Other		B=Blank Q=Other		5=H2O2 6=Other	
CUSTOMER INFORMATION		PROJECT INFORMATION		ANALYSIS REQUEST		TEST INSTRUCTIONS / COMMENTS	
Client: CTEH		Name: PROJ-054017		Chromium VI MS/MSD			
Address: 5120 North Shore Drive, North Little Rock, AR 72118		Address: _____					
Phone: _____		Site Name: _____					
Fax: _____		Global ID: _____					
Email: klawrence@enthalpy-analytical.com		Sampled By: Kyle Lawrence					
Sample ID: 1		Sampling Date: 5/23/2025		Sampling Time (24 hr): 9:00 S		Matrix Type: G 0 1 4 02 GC	
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# ORIGINS

LABORATORY

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Origins Laboratory

## Sample Receipt Checklist

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

Origins Work Order: E5E0903

Client: cteh

Client Project ID: PROJ-054017

Checklist Completed by: JAB/Sm

Shipped Via: HD

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

Date/time completed: 5/23/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): 9 Soil/Solid

Water

Other:

Cooler Number/Temperature: 1 / 1.8 °C

(Describe)

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"/>			
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? <sup>(1)</sup>	<input checked="" type="checkbox"/>			
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present? <sup>(1)</sup>			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely? <sup>(1)</sup>	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded? <sup>(1)</sup>	<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? <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"/>	
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 be taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) SAD

Date/Time Reviewed 5/27/25

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**GACO0523T119S001**

**5/23/2025 9:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5E0903-01 (Soil)</b>									
<b>Enthalpy Orange</b>									
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.30	mg/Kg	1	373026	06/04/2025	06/05/2025	ND

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**Chromium Hexavalent by EPA 7199 - Quality Control**  
**Enthalpy Orange**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 373026 - EPA 3060A</b>										
<b>BLANK (QC1263071)</b>					Prepared: 06/04/2025 Analyzed: 06/05/2025					
Hexavalent Chromium	ND	0.30	mg/Kg				-			ND
<b>LCS (QC1263072)</b>					Prepared: 06/04/2025 Analyzed: 06/05/2025					
Hexavalent Chromium	46.16	0.6000	mg/Kg	40.00		115	80-120			
<b>Duplicate (QC1263074)</b>					Prepared: 06/04/2025 Analyzed: 06/05/2025					
		<b>Source: 534294-001</b>								
Hexavalent Chromium	ND	0.2918	mg/Kg		0		-	30		ND
<b>Matrix Spike (QC1263075)</b>					Prepared: 06/04/2025 Analyzed: 06/05/2025					
		<b>Source: 534294-001</b>								
Hexavalent Chromium	37.95	0.6000	mg/Kg	40.00	0	95	70-130			

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### Notes and Definitions

ND Not Detected

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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