



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 21, 2025. This project is associated with Origins project number E5E0708-01.

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



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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
GACO0520T166S001	E5E0708-01	Soil	May 20, 2025 16:50	05/21/2025 07:45

Origins Laboratory

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Jen Pellegrini For Jordan A. Bynon, Project Manager

ORIGINS LABORATORY

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E5E0708

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)																																																																											
Lab No:		Page: 1 of 1		Standard:	5 Day	1 Day	Custom (AT) ASAP																																																																								
ENTHALPY ANALYTICAL - Denver 1725 W Elk Place, Denver, CO 80211 Phone 303-433-1332		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water P = Product O = Oil SD = Sediment T = Tissue WP = Wipe WW = Wastewater X = Other		Sample Type: C = Composite G = Grab or Discrete B = Blank O = Other				Preservatives: 0 = none 1 = Na ₂ SO ₄ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = H ₂ O ₂ 6 = Other																																																																							
CUSTOMER INFORMATION Company: CTEH Report To: Chelsea Bishop, Kyle Lawrence, Eric Collins, Andrew Herzog, Tami McMillin, Madelyn Blalock Email: chelsea.bishop@montrose-nw.com, kyle.lawrence@montrose-nw.com, eric.collins@montrose-nw.com, tami.mcmillan@montrose-nw.com, madelyn.blalock@montrose-nw.com Address: 5120 Northshore Dr, North Little Rock, AR 72118 Phone: Site Name: Global ID:		PROJECT INFORMATION Name: PROJ-054017 Bishop Loss of Containment Number: P.O. #: Address: Galeton, CO Site Name: Global ID:		Analysis Request (Use use only)		Test Instructions / Comments																																																																									
Billing Information Billing Instruction: ctehap@montrose-nw.com		Sampled By: Matthew Beck		MS/MSD Chromium VI																																																																											
Sample ID 1 GAC005081650801	Sampling Date 5/18/2025	Sampling Time (24 hr) 16:50	Matrix S	Sample Type G	Pres. No. 0	Cont. Size 1.4 oz	Initials MB																																																																								
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Jen Pellegrini For Jordan A. Bynon, Project Manager

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Project Number: PROJ-054017

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Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: ESE0708

Client: CTEH

Client Project ID: PROJ-054017

Checklist Completed by: smc/jdk

Shipped Via: 11D

Date/time completed: 5/21/25

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

Airbill #: N/A

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

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 1/0.6 °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) JB

Date/Time Reviewed 5/21/25

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Jen Pellegrini For Jordan A. Bynon, Project Manager

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GACO0520T166S001

5/20/2025 4:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0708-01 (Soil)									
Origins Laboratory									
Chromium Hexavalent by EPA 7199									
Hexavalent Chromium	ND		0.257	mg/kg	1	B5E2126	05/21/2025	06/10/2025	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 B5E2126 - EPA 3060A										
Blank (B5E2126-BLK1)					Prepared: 05/21/2025 Analyzed: 06/10/2025					
Hexavalent Chromium	ND	0.250	mg/kg							U
LCS (B5E2126-BS1)					Prepared: 05/21/2025 Analyzed: 06/10/2025					
Hexavalent Chromium	2.49	0.250	mg/kg	2.50		99.8	80-120			
Matrix Spike (B5E2126-MS1)					Source: E5E0704-15 Prepared: 05/21/2025 Analyzed: 06/10/2025					
Hexavalent Chromium	1.03	0.250	mg/kg	2.50	ND	41.2	75-125			QM-14
Matrix Spike (B5E2126-MS2)					Source: E5E0704-15 Prepared: 05/21/2025 Analyzed: 06/10/2025					
Hexavalent Chromium	61.8	24.5	mg/kg	267	ND	23.1	75-125			QM-14
Matrix Spike Dup (B5E2126-MSD1)					Source: E5E0704-15 Prepared: 05/21/2025 Analyzed: 06/10/2025					
Hexavalent Chromium	1.06	0.254	mg/kg	2.54	ND	41.5	75-125	2.37	200	QM-14
Post Spike (B5E2126-PS1)					Source: E5E0704-15 Prepared: 05/21/2025 Analyzed: 06/10/2025					
Hexavalent Chromium	50.1		ug/L	50.0	0.393	99.3	80-120			

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Notes and Definitions

U Sample is Non-Detect.

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.

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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