



CTEH

May 14, 2025

Kyle Lawrence

5120 North Shore Drive

North Little Rock AR 72118

**Project Name - Bishop Loss of Containment**

**Project Number - PROJ-054017**

Attached are your analytical results for Bishop Loss of Containment received by Origins Laboratory April 29, 2025. This project is associated with Origins project number E5D0868-01.

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: Bishop Loss of Containment

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GACO0429T175-1S001	E5D0868-01	Soil	April 29, 2025 9:20	04/29/2025 20:15

Origins Laboratory

*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.*

Jen Pellegrini For Jordan A. Bynon, Project Manager

CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**CHAIN-OF-CUSTODY Analytical Request Document**

Submitting a sample via this chain of custody certifies the development and acceptance of the Test Items and Chain of Custody at the time of collection. Analytical services are provided on a non-warranted basis. Chain of Custody is a LEGAL DOCUMENT - Complete all relevant fields.

<b>Customer:</b> CTEH Billing Information: ctehad@montrose-env.com Address:		<b>Report to:</b> Lab Results: Kyle Lawrence Eric Cahill Andrew Headers: Tom McMillin, Madeline Wilkerson Email to: klawrence@cteh.com; wilkerson@cteh.com; mcmillan@cteh.com mclawrence@cteh.com Site Collection Info Address:	
<b>Customer Project Name/Number:</b> Bishop Loss of Containment PROJ-054017 Storage Location:		Time Zone: Collect   P1   X   Int   CT   ET Compliance Monitoring?   Yes   No	
<b>Container Type:</b> Plastic (P) or Glass (G) Matrix: * G S L G Date: 4/29/2025 Time: 0920 No. of Containers: 3		Purchase Order #: _____ Quote #: _____ Turnaround Date Required: _____ Sample Disposal: _____   Dispose as appropriate   Same Day   Next Day   1-2 Day   3-5 Day   1-4 Day   Standard   Yes   No   Yes   No   Yes   No   Yes   No   Yes   No   Yes   No	
Customer Remarks: Special Conditions / Possible Hazards:		Container Type: Plastic (P) or Glass (G) Table 915 • VOCs 8260D	
Date/Time: 4-29-25 09:05 Received by (Company, Signature): Date/Time: 4/29/25 09:05 Received by (Company, Signature):		Lab Profile Line: Lab Sample Receipt Checklist: Customer Site Present/Inspect: Y N NA Custody Signature Present: Y N NA Collector Signature Present: Y N NA Correct Method: Y N NA Correct Volume: Y N NA Sample Received on Ice: Y N NA USA - Residue Acceptable: Y N NA Sample at Holding Time: Y N NA Residual Chloride Present: Y N NA Cl Strips: Y N NA Sample pH Acceptable: Y N NA pH Strips: Y N NA Sulfide Present: Y N NA Lead Acetate Strip: Y N NA Lab USE ONLY: Lab Sample # / Comments:	
Date/Time: 4-29-25 09:05 Received by (Company, Signature): Date/Time: 4/29/25 09:05 Received by (Company, Signature):		Lab Project Manager: All BOLD OUTLINED AREAS are for LAB USE ONLY Container Preservation Type: ** U 3 ** Preserve (1) in the end, (2) surface acid, (3) nonoxidizing, (4) sodium hydroxide, (5) no oxen, (6) neutral, (7) sodium sulfate, (8) sodium phosphate, (9) heavy, (A) sorbic acid, (B) ammonium sulfate, (C) ammonium phosphate, (D) SP, (E) Diphosphate, (G) Other:	
Date/Time: 4-29-25 09:05 Received by (Company, Signature): Date/Time: 4/29/25 09:05 Received by (Company, Signature):		Lab Profile Line: Lab Sample Receipt Checklist: Customer Site Present/Inspect: Y N NA Custody Signature Present: Y N NA Collector Signature Present: Y N NA Correct Method: Y N NA Correct Volume: Y N NA Sample Received on Ice: Y N NA USA - Residue Acceptable: Y N NA Sample at Holding Time: Y N NA Residual Chloride Present: Y N NA Cl Strips: Y N NA Sample pH Acceptable: Y N NA pH Strips: Y N NA Sulfide Present: Y N NA Lead Acetate Strip: Y N NA Lab USE ONLY: Lab Sample # / Comments:	

207 1007

ESD0808

Origins Laboratory

*Jefe Pellegrini*

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

CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: ESD0808

Client: CTEH

Client Project ID: Bishop-054017

Checklist Completed by: SMC/JAR

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4/30/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
(Describe)

Cooler Number/Temperature: 120 °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 <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 (~ 1/4 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 in the additional comments (above) and the case narrative.

SKD  
 Reviewed by (Project Manager)

4/30/25  
 Date/Time Reviewed

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.



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**GACO0429T175-1S001**  
**4/29/2025 9:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0868-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	4.24		0.100	mg/L	1	B5D3015	04/30/2025	05/02/2025	
<b>Chromium Hexavalent by EPA 7199</b>									
Hexavalent Chromium	ND		0.250	mg/kg	1	B5D3032	04/30/2025	05/13/2025	U
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	44.4		25.0	mg/kg	1	B5D3034	04/30/2025	04/30/2025	
Residual Range Organics (C28-C40) <sup>234</sup>			100	"	"	"	"	"	
Surrogate: <i>o</i> -Terphenyl	103 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D3029	04/30/2025	04/30/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	136 %			70-130		"	"	"	S-GC

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**GACO0429T175-1S001**  
**4/29/2025 9:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0868-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>GBTEX+TMBs by 8260D</b>									
Surrogate: Toluene-d8	104 %			70-130		B5D3029	04/30/2025	04/30/2025	
Surrogate: 4-Bromofluorobenzene	135 %			70-130		"	"	"	S-GC
<b>PAH by EPA 8270E extracted via 3580A</b>									
1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D3038	04/30/2025	05/01/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.085		0.005	"	"	"	"	"	
Benzo (a) pyrene	0.082		0.020	"	"	"	"	"	
Benzo (b) fluoranthene	0.087		0.020	"	"	"	"	"	
Benzo (k) fluoranthene	0.044		0.020	"	"	"	"	"	
Chrysene	0.106		0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	0.149		0.020	"	"	"	"	"	
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	0.048		0.020	"	"	"	"	"	
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	0.139		0.020	"	"	"	"	"	
Surrogate: Fluorene-d10	101 %			60-130		"	"	"	

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**GACO0429T175-1S001**  
**4/29/2025 9:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0868-01 (Soil)**  
**Origins Laboratory**

**PAH by EPA 8270E extracted via 3580A**

Surrogate: Anthracene-d10	94.4 %			60-130		B5D3038	04/30/2025	05/01/2025	
Surrogate: Pyrene-d10	96.0 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %			60-130		"	"	"	

**pH in Soil by 9045D**

pH	8.67			pH Units	1	B5D3020	04/30/2025	05/02/2025	
----	------	--	--	----------	---	---------	------------	------------	--

**SAR by 20B Saturated Paste**

SAR	15.3		0.0100	SAR	1	B5D3012	04/30/2025	05/05/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.80		0.00500	mmhos/cm	1	B5D3020	04/30/2025	05/02/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

**Table 915 metals by EPA 6020B**

Arsenic	4.17		0.278	mg/kg	10	B5D3025	04/30/2025	05/01/2025	
Barium	87.9		78.7	"	"	"	"	"	
Cadmium	0.464		0.365	"	"	"	"	"	
Copper	ND		44.1	"	"	"	"	"	U
Lead	51.8		13.4	"	"	"	"	"	
Nickel	ND		25.0	"	"	"	"	"	U
Selenium	0.378		0.250	"	"	"	"	"	

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: Bishop Loss of Containment

GACO0429T175-1S001

4/29/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5D0868-01 (Soil) Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Silver	ND		0.768	mg/kg	10	B5D3025	04/30/2025	05/01/2025	U
Zinc	ND		355	"	"	"	"	"	U

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B5D3032 - EPA 3060A</b>										
<b>Blank (B5D3032-BLK1)</b>										
					Prepared: 04/30/2025 Analyzed: 05/13/2025					
Hexavalent Chromium	ND	0.250	mg/kg							U
<b>LCS (B5D3032-BS1)</b>										
					Prepared: 04/30/2025 Analyzed: 05/13/2025					
Hexavalent Chromium	2.22	0.250	mg/kg	2.50		89.0	80-120			
<b>Matrix Spike (B5D3032-MS1)</b>										
					Source: E5D0852-02					
					Prepared: 04/30/2025 Analyzed: 05/13/2025					
Hexavalent Chromium	2.01	0.262	mg/kg	2.62	0.0950	73.3	75-125			QM-07
<b>Matrix Spike (B5D3032-MS2)</b>										
					Source: E5D0852-02					
					Prepared: 04/30/2025 Analyzed: 05/13/2025					
Hexavalent Chromium	201	24.0	mg/kg	268	ND	75.3	75-125			
<b>Matrix Spike Dup (B5D3032-MSD1)</b>										
					Source: E5D0852-02					
					Prepared: 04/30/2025 Analyzed: 05/13/2025					
Hexavalent Chromium	2.11	0.261	mg/kg	2.61	0.0950	77.2	75-125	4.48	200	
<b>Post Spike (B5D3032-PS1)</b>										
					Source: E5D0852-02					
					Prepared: 04/30/2025 Analyzed: 05/13/2025					
Hexavalent Chromium	49.3		ug/L	50.0	1.89	94.7	80-120			

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3012 - Saturated Paste Metals**

**Blank (B5D3012-BLK1)**

Prepared: 04/30/2025 Analyzed: 05/05/2025

SAR	ND	0.0100	SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

**Duplicate (B5D3012-DUP1)**

Source: E5D0685-11

Prepared: 04/30/2025 Analyzed: 05/05/2025

SAR	ND	0.0100	SAR	1.14				200		U
Calcium PPM	27.1	10.0	mg/L	25.7				5.15	50	
Magnesium PPM	17.4	10.0	"	16.5				4.96	50	
Sodium PPM	31.3	10.0	"	30.0				4.05	50	

**Batch B5D3015 - DTPA Sorbitol Preparation**

**Blank (B5D3015-BLK1)**

Prepared: 04/30/2025 Analyzed: 05/02/2025

Boron	ND	0.100	mg/L							U
-------	----	-------	------	--	--	--	--	--	--	---

**Duplicate (B5D3015-DUP1)**

Source: E5D0856-05

Prepared: 04/30/2025 Analyzed: 05/02/2025

Boron	3.81	0.100	mg/L	3.86				1.55	50	
-------	------	-------	------	------	--	--	--	------	----	--

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3038 - EPA 3580**

**Blank (B5D3038-BLK1)**

Prepared: 04/30/2025 Analyzed: 05/01/2025

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		98.1	60-130			
Surrogate: Anthracene-d10	200		"	200		99.4	60-130			
Surrogate: Pyrene-d10	210		"	200		105	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

**LCS (B5D3038-BS1)**

Prepared: 04/30/2025 Analyzed: 05/01/2025

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200		101	70-130			
2-Methylnaphthalene	0.203	0.002	"	0.200		102	70-130			
Acenaphthene	0.205	0.020	"	0.200		102	70-130			
Anthracene	0.201	0.020	"	0.200		101	70-130			

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3038 - EPA 3580**

**LCS (B5D3038-BS1)**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Benzo (a) anthracene	0.209	0.005	mg/kg	0.200		104	70-130			
Benzo (a) pyrene	0.206	0.020	"	0.200		103	70-130			
Benzo (b) fluoranthene	0.212	0.020	"	0.200		106	70-130			
Benzo (g,h,i) perylene	0.222	0.020	"	0.200		111	70-130			
Benzo (k) fluoranthene	0.207	0.020	"	0.200		103	70-130			
Chrysene	0.206	0.020	"	0.200		103	70-130			
Dibenz (a,h) anthracene	0.216	0.020	"	0.200		108	70-130			
Fluoranthene	0.222	0.020	"	0.200		111	70-130			
Fluorene	0.202	0.020	"	0.200		101	70-130			
Indeno (1,2,3-cd) pyrene	0.217	0.020	"	0.200		108	70-130			
Naphthalene	0.222	0.002	"	0.200		111	70-130			
Phenanthrene	0.206	0.020	"	0.200		103	70-130			
Pyrene	0.221	0.020	"	0.200		110	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.3	60-130			
Surrogate: Anthracene-d10	200		"	200		98.3	60-130			
Surrogate: Pyrene-d10	210		"	200		105	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

**Matrix Spike (B5D3038-MS1)**

**Source: E5D0856-05**

Prepared: 04/30/2025 Analyzed: 05/01/2025

1-Methylnaphthalene	0.208	0.002	mg/kg	0.200	ND	104	70-130			
2-Methylnaphthalene	0.209	0.002	"	0.200	ND	104	70-130			
Acenaphthene	0.207	0.020	"	0.200	0.001	103	70-130			
Anthracene	0.213	0.020	"	0.200	0.0008	106	70-130			
Benzo (a) anthracene	0.214	0.005	"	0.200	ND	107	70-130			
Benzo (a) pyrene	0.211	0.020	"	0.200	ND	106	70-130			
Benzo (b) fluoranthene	0.213	0.020	"	0.200	ND	107	70-130			
Benzo (g,h,i) perylene	0.215	0.020	"	0.200	ND	107	70-130			

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3038 - EPA 3580**

**Matrix Spike (B5D3038-MS1)**

**Source: E5D0856-05**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Benzo (k) fluoranthene	0.208	0.020	mg/kg	0.200	ND	104	70-130			
Chrysene	0.213	0.020	"	0.200	0.0007	106	70-130			
Dibenz (a,h) anthracene	0.216	0.020	"	0.200	ND	108	70-130			
Fluoranthene	0.218	0.020	"	0.200	0.0005	109	70-130			
Fluorene	0.204	0.020	"	0.200	0.0006	102	70-130			
Indeno (1,2,3-cd) pyrene	0.214	0.020	"	0.200	ND	107	70-130			
Naphthalene	0.220	0.002	"	0.200	ND	110	70-130			
Phenanthrene	0.211	0.020	"	0.200	ND	106	70-130			
Pyrene	0.217	0.020	"	0.200	ND	108	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		98.1	60-130			
Surrogate: Anthracene-d10	200		"	200		99.3	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.1	60-130			

**Matrix Spike Dup (B5D3038-MSD1)**

**Source: E5D0856-05**

Prepared: 04/30/2025 Analyzed: 05/01/2025

1-Methylnaphthalene	0.200	0.002	mg/kg	0.200	ND	100	70-130	3.77	20	
2-Methylnaphthalene	0.201	0.002	"	0.200	ND	101	70-130	3.51	20	
Acenaphthene	0.200	0.020	"	0.200	0.001	99.7	70-130	3.15	20	
Anthracene	0.197	0.020	"	0.200	0.0008	97.9	70-130	7.88	20	
Benzo (a) anthracene	0.198	0.005	"	0.200	ND	99.1	70-130	7.55	20	
Benzo (a) pyrene	0.208	0.020	"	0.200	ND	104	70-130	1.70	20	
Benzo (b) fluoranthene	0.204	0.020	"	0.200	ND	102	70-130	4.16	20	
Benzo (g,h,i) perylene	0.212	0.020	"	0.200	ND	106	70-130	1.24	20	
Benzo (k) fluoranthene	0.202	0.020	"	0.200	ND	101	70-130	3.23	20	
Chrysene	0.202	0.020	"	0.200	0.0007	101	70-130	5.20	20	
Dibenz (a,h) anthracene	0.211	0.020	"	0.200	ND	105	70-130	2.38	20	
Fluoranthene	0.210	0.020	"	0.200	0.0005	105	70-130	3.93	20	

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3038 - EPA 3580**

**Matrix Spike Dup (B5D3038-MSD1)**

**Source: E5D0856-05**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Fluorene	0.197	0.020	mg/kg	0.200	0.0006	98.3	70-130	3.39	20	
Indeno (1,2,3-cd) pyrene	0.213	0.020	"	0.200	ND	106	70-130	0.765	20	
Naphthalene	0.210	0.002	"	0.200	ND	105	70-130	4.26	20	
Phenanthrene	0.203	0.020	"	0.200	ND	102	70-130	3.90	20	
Pyrene	0.208	0.020	"	0.200	ND	104	70-130	4.10	20	
Surrogate: Fluorene-d10	200		ug/kg	200		98.0	60-130			
Surrogate: Anthracene-d10	200		"	200		99.8	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3034 - EPA 3550B**

**Blank (B5D3034-BLK1)**

Prepared: 04/30/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		90.5	50-150			

**LCS (B5D3034-BS1)**

Prepared: 04/30/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	817	50.0	mg/kg	1000		81.7	70-130			
Residual Range Organics (C28-C40)	871	200	"	1000		87.1	70-130			
Surrogate: o-Terphenyl	59		"	49.8		119	50-150			

**Matrix Spike (B5D3034-MS1)**

**Source: E5D0852-02**

Prepared: 04/30/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	811	50.0	mg/kg	1000	ND	81.1	70-130			
Residual Range Organics (C28-C40)	871	200	"	1000	76.8	79.4	70-130			
Surrogate: o-Terphenyl	45		"	49.8		89.5	50-150			

**Matrix Spike Dup (B5D3034-MSD1)**

**Source: E5D0852-02**

Prepared: 04/30/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	758	50.0	mg/kg	1000	ND	75.8	70-130	6.77	35	
Residual Range Organics (C28-C40)	863	200	"	1000	76.8	78.6	70-130	0.895	35	
Surrogate: o-Terphenyl	55		"	49.8		111	50-150			

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3025 - EPA 3050B**

**Blank (B5D3025-BLK1)**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Arsenic	ND	0.290	mg/kg							U
Barium	ND	82.0	"							U
Cadmium	ND	0.380	"							U
Copper	ND	46.0	"							U
Lead	ND	14.0	"							U
Nickel	ND	26.0	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.800	"							U
Zinc	ND	370	"							U

**LCS (B5D3025-BS1)**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Arsenic	5.10	0.290	mg/kg	5.00		102	80-120			
Barium	465	82.0	"	500		93.1	80-120			
Cadmium	5.07	0.380	"	5.00		101	80-120			
Copper	53.9	46.0	"	50.0		108	80-120			
Lead	4.88	14.0	"	5.00		97.6	80-120			U
Nickel	5.29	26.0	"	5.00		106	80-120			U
Selenium	5.14	0.260	"	5.00		103	80-120			
Silver	4.91	0.800	"	5.00		98.2	80-120			
Zinc	53.8	370	"	50.0		108	80-120			U

**Matrix Spike (B5D3025-MS1)**

**Source: E5D0852-02**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Arsenic	9.87	0.267	mg/kg	4.61	6.06	82.6	75-125			
Barium	565	75.6	"	461	143	91.7	75-125			
Cadmium	5.08	0.350	"	4.61	0.256	105	75-125			
Copper	96.6	42.4	"	46.1	27.7	149	75-125			QM-07
Lead	13.7	12.9	"	4.61	10.6	69.0	75-125			QM-07

Origins Laboratory

*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.*

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3025 - EPA 3050B**

**Matrix Spike (B5D3025-MS1)**

**Source: E5D0852-02**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Nickel	14.7	24.0	mg/kg	4.61	11.6	66.6	75-125			QM-07, U
Selenium	5.02	0.240	"	4.61	0.435	99.4	75-125			
Silver	4.60	0.738	"	4.61	0.0507	98.6	75-125			
Zinc	108	341	"	46.1	58.2	109	75-125			U

**Matrix Spike Dup (B5D3025-MSD1)**

**Source: E5D0852-02**

Prepared: 04/30/2025 Analyzed: 05/01/2025

Arsenic	11.6	0.271	mg/kg	4.67	6.06	118	75-125	16.0	20	
Barium	645	76.5	"	467	143	108	75-125	13.2	20	
Cadmium	5.07	0.355	"	4.67	0.256	103	75-125	0.275	20	
Copper	86.5	42.9	"	46.7	27.7	126	75-125	11.0	20	QM-07
Lead	14.9	13.1	"	4.67	10.6	92.8	75-125	8.01	20	
Nickel	16.9	24.3	"	4.67	11.6	113	75-125	14.1	20	U
Selenium	5.15	0.243	"	4.67	0.435	101	75-125	2.56	20	
Silver	4.61	0.747	"	4.67	0.0507	97.7	75-125	0.281	20	
Zinc	106	345	"	46.7	58.2	103	75-125	2.14	20	U

Origins Laboratory

*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.*

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**Saturated Paste - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3020 - Saturated Paste pH/EC**

**Blank (B5D3020-BLK1)**

Prepared: 04/30/2025 Analyzed: 05/02/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
---------------------------	----	---------	----------	--	--	--	--	--	--	---

**Duplicate (B5D3020-DUP1)**

**Source: E5D0685-11**

Prepared: 04/30/2025 Analyzed: 05/02/2025

Specific Conductance (EC)	0.423	0.00500	mmhos/cm		0.407			3.66		25
pH	8.42		pH Units		8.42			0.00		25

Origins Laboratory

*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.*

Jen Pellegrini For Jordan A. Bynon, Project Manager



CTEH  
 5120 North Shore Drive  
 North Little Rock AR 72118

Kyle Lawrence  
 Project Number: PROJ-054017  
 Project: Bishop Loss of Containment

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3029 - EPA 5030 (soil)**

**Blank (B5D3029-BLK1)**

Prepared: 04/30/2025 Analyzed: 04/30/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125	123		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	106		70-130			
Surrogate: 4-Bromofluorobenzene	0.16		"	0.125	129		70-130			

**LCS (B5D3029-BS1)**

Prepared: 04/30/2025 Analyzed: 04/30/2025

1,2,4-Trimethylbenzene	0.0920	0.00200	mg/kg	0.100		92.0	70-130			
1,3,5-Trimethylbenzene	0.0900	0.00200	"	0.100		90.0	70-130			
Benzene	0.0848	0.00200	"	0.100		84.8	70-130			
Ethylbenzene	0.0940	0.00200	"	0.100		94.0	70-130			
Naphthalene	0.101	0.00380	"	0.100		101	70-130			
Toluene	0.0837	0.00200	"	0.100		83.7	70-130			
o-Xylene	0.0984	0.00200	"	0.100		98.4	70-130			
m,p-Xylene	0.175	0.00400	"	0.200		87.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125	122		70-130			
Surrogate: Toluene-d8	0.14		"	0.125	109		70-130			
Surrogate: 4-Bromofluorobenzene	0.16		"	0.125	126		70-130			

**Matrix Spike (B5D3029-MS1)**

Source: E5D0859-01

Prepared: 04/30/2025 Analyzed: 04/30/2025

1,2,4-Trimethylbenzene	0.0837	0.00200	mg/kg	0.100	ND	83.7	70-130			
------------------------	--------	---------	-------	-------	----	------	--------	--	--	--

Origins Laboratory

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: Bishop Loss of Containment

## Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B5D3029 - EPA 5030 (soil)**

**Matrix Spike (B5D3029-MS1)**

**Source: E5D0859-01**

Prepared: 04/30/2025 Analyzed: 04/30/2025

1,3,5-Trimethylbenzene	0.0817	0.00200	mg/kg	0.100	ND	81.7	70-130			
Benzene	0.0800	0.00200	"	0.100	ND	80.0	70-130			
Ethylbenzene	0.0928	0.00200	"	0.100	ND	92.8	70-130			
Naphthalene	0.0751	0.00380	"	0.100	ND	75.1	70-130			
Toluene	0.0808	0.00200	"	0.100	ND	80.8	70-130			
o-Xylene	0.0964	0.00200	"	0.100	ND	96.4	70-130			
m,p-Xylene	0.170	0.00400	"	0.200	ND	85.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		122	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.16		"	0.125		130	70-130			

**Matrix Spike Dup (B5D3029-MSD1)**

**Source: E5D0859-01**

Prepared: 04/30/2025 Analyzed: 04/30/2025

1,2,4-Trimethylbenzene	0.0858	0.00200	mg/kg	0.100	ND	85.8	70-130	2.57	20	
1,3,5-Trimethylbenzene	0.0840	0.00200	"	0.100	ND	84.0	70-130	2.83	20	
Benzene	0.0805	0.00200	"	0.100	ND	80.5	70-130	0.573	20	
Ethylbenzene	0.0940	0.00200	"	0.100	ND	94.0	70-130	1.28	20	
Naphthalene	0.0777	0.00380	"	0.100	ND	77.7	70-130	3.33	20	
Toluene	0.0807	0.00200	"	0.100	ND	80.7	70-130	0.149	20	
o-Xylene	0.0980	0.00200	"	0.100	ND	98.0	70-130	1.56	20	
m,p-Xylene	0.172	0.00400	"	0.200	ND	86.1	70-130	1.06	20	
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		125	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.16		"	0.125		129	70-130			

Origins Laboratory



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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: Bishop Loss of Containment

## Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- 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.

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.*